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Title	TC/TM DATABASE FOR THE EPIC PN CAMERA SYSTEM (EPCS)
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Handle	http://hdl.handle.net/20.500.12386/33399

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50001	1792	Main Periodic H/K	1	1	10	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 0A00

Bit	Width	Name	F/V	Value
0	8	SID	F	10
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0311

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	1
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F1001	D Prim PW Consum	V	A		0,3	0,6		none	none
CURVE ENG [A] = ((Raw Value * 16) / 4095) - 8												
18	0	16	F1002	D P.S. Temp #1	V	degC					none	none
CURVE ENG [°C] = (Raw Value * 0.004884 - 10) * (-25.054) + 83.137												
20	0	16	F1003	D P.S. Temp #2	V	degC					none	none
CURVE ENG [°C] = (Raw Value * 0.004884 - 10) * (-25.054) + 83.137												
22	0	16	F1004	D +5 V PW Supply	V	V		4,7	5,3		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
24	0	16	F1005	D DBU Power Sup.	V	V		5,7	6,3		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
26	0	16	F1006	D +15V PW Supply	V	V		14,5	15,5		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
28	0	16	F1007	D -15V PW Supply	V	V		-15,5	-14,5		none	none
CURVE ENG [V] = (((Raw Value * 20) / 4095) - 10) * 2												
30	0	8	FIX	Filler	F	n/a	0					
CURVE												
31	0	8	FIX	Filler	F	n/a	0					
CURVE												

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32	0	8	F1008	D Operating Mode	V	n/a	0	16	none	none
RAW MEANING										
0	Safe StandBy									
1	Idle									
2	Observation									
4	Offset/Noise									
5	CCD Diagnos.									
6	Extraheating									
16	InFlightTest									
33	0	8	F1009	D Valid Mode	V	n/a	0	255	none	none
RAW MEANING										
0	Valid Mode									
1	EnteringMode									
2	Leaving Mode									
255	NotValidMode									
34	0	8	FIX	Filler	F	n/a	0			
CURVE										
35	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
35	2	1	F1010	D Door Hop ST	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
35	3	1	F1011	D Ven Val HOP St	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
35	4	1	F1012	D FW MotorStatus	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
35	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
35	6	1	F1013	D ExtH Heater ST	V	n/a	0	1	F0007	none
RAW MEANING										
0	Off									
1	On									
35	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
36	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
36	2	1	F1014	D Door HOP LCP	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
36	3	1	F1015	D VenVal HOP LCP	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
36	4	1	F1016	D FW Motor LCP	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
36	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
36	6	1	F1017	DExtH Heater LCP	V	n/a	0	1	F0007	none
RAW MEANING										
0	Off									
1	On									

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36	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
37	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
37	2	1	F1018	D Door HOP CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	3	1	F1019	D VenVal HOP CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	4	1	F1020	D FW Motor CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
37	6	1	F1021	DExtH Heater CLS	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
37	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
38	0	8	F1022	D HBR1 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
39	0	8	F1023	D HBR2 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
40	0	8	F1024	D HBR3 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
41	0	8	F1025	D HBR4 Ch. Conf.	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									

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42	0	8	F1026	D HBR1 Buff Occ	V	n/a	0	75	none	none
CURVE										
43	0	8	F1027	D HBR2 Buff Occ	V	n/a	0	75	none	none
CURVE										
44	0	8	F1028	D HBR3 Buff Occ	V	n/a	0	75	none	none
CURVE										
45	0	8	F1029	D HBR4 Buff Occ	V	n/a	0	75	none	none
CURVE										
46	0	48	F1030	D Course OBT Rst	V	n/a	0	16777215	none	none
CURVE										
52	0	16	F1031	D LBR I/F Status	V	n/a			none	none
RAW MEANING										
54	0	16	FIX	Filler	F	n/a	0			
CURVE										
56	0	16	F1033	D HBR 1 Disc Pix	V	n/a	0	65535	none	none
CURVE										
58	0	16	F1034	D HBR 2 Disc Pix	V	n/a	0	65535	none	none
CURVE										
60	0	16	F1035	D HBR 3 Disc Pix	V	n/a	0	65535	none	none
CURVE										
62	0	16	F1036	D HBR 4 Disc Pix	V	n/a	0	65535	none	none
CURVE										
64	0	16	F1037	D HBR 1 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
66	0	16	F1038	D HBR 2 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
68	0	16	F1039	D HBR 3 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
70	0	16	F1040	D HBR 4 Disc Cyc	V	n/a	0	65535	none	none
CURVE										
72	0	1	FIX	Filler	F	n/a	1			
CURVE										
72	1	15	F1041	D CntModStaTime1	V	n/a	0	32767	none	none
CURVE										
74	0	1	FIX	Filler	F	n/a	1			
CURVE										
74	1	15	F1042	D CntModStoTime1	V	n/a	0	32767	none	none
CURVE										
76	0	1	FIX	Filler	F	n/a	1			
CURVE										
76	1	15	F1043	D CntModStaTime2	V	n/a	0	32767	none	none
CURVE										
78	0	1	FIX	Filler	F	n/a	1			
CURVE										

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78	1	15	F1044	D CntModStoTime2	V	n/a		0	32767	none	none
CURVE											
80	0	1	FIX	Filler	F	n/a	1				
CURVE											
80	1	15	F1045	D CntModStaTime3	V	n/a		0	32767	none	none
CURVE											
82	0	1	FIX	Filler	F	n/a	1				
CURVE											
82	1	15	F1046	D CntModStoTime3	V	n/a		0	32767	none	none
CURVE											
84	0	1	FIX	Filler	F	n/a	1				
CURVE											
84	1	15	F1047	D CntModStaTime4	V	n/a		0	32767	none	none
CURVE											
86	0	1	FIX	Filler	F	n/a	1				
CURVE											
86	1	15	F1048	D CntModStoTime4	V	n/a		0	32767	none	none
CURVE											
88	0	8	F1049	D Door HOP ArmST	V	n/a		0	255	none	none
RAW MEANING											
0											
255											
89	0	8	F1050	D VenValHOPArmST	V	n/a		0	255	none	none
RAW MEANING											
0											
255											
90	0	16	F1051	D H/K Refresh ST	V	n/a		0	65535	none	none
RAW MEANING											
92	0	16	F1052	DTimAutRstPreVal	V	n/a		1	32400	F0063	none
CURVE											
94	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
98	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
102	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
106	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
110	0	32	F1904	Spare 4 bytes	V	n/a		0	42949672	none	none
CURVE											
114	0	16	F1905	Spare 2 bytes	V	n/a		0	65535	none	none
CURVE											
116	0	16	F1053	C CE_SECCNT	V	n/a		0	65535	none	none
CURVE											
118	0	8	F1054	C CE_ERRCNT	V	n/a		0	255	F0078	none
CURVE											

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119	0	8	F1055	C CE_LASTERR	V	n/a	0	255	F0078	none
RAW MEANING										
120	0	8	F1056	C CE_CMDCNT	V	n/a	0	255	none	none
CURVE										
121	0	8	F1057	C CE_CMDREJ	V	n/a	0	255	F0078	none
CURVE										
122	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
123	0	8	F1059	C CE_OVRRUNS	V	n/a	0	255	none	none
CURVE										
124	0	16	F1060	C CE_BYTEREC	V	n/a	0	65535	none	none
CURVE										
126	0	16	F1061	C CE_BYTESND	V	n/a	0	65535	none	none
CURVE										
128	0	8	F1062	C CE_CMDCNTR	V	n/a	0	255	none	none
CURVE										
129	0	1	F1063	CErrSIF MasterST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	1	1	F1064	CErr EPCE ADC ST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	2	1	F1065	CErr UART InpuST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			No Overrun						
	1			Overrun						
129	3	1	F1066	CErr EPVC ADC ST	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	4	1	F1067	CErrIlgCPUInterr	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Not Received						
	1			Received						
129	5	1	F1068	C Err RAM Check	V	n/a	0	1	F0179	none
RAW MEANING										
	0			Not Occured						
	1			Occured						
129	6	1	F1058	C FWTH ADC Stat	V	n/a	0	1	F0078	none
RAW MEANING										
	0			Ready						
	1			Not Ready						
129	7	1	F1475	C TimSignMissing	V	n/a	0	1	F0078	none
RAW MEANING										
	0			No Missing						
	1			Missing						
130	0	8	F1069	C CE_TEMP_CPU	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
131	0	8	F1070	C CE_TEMP_BOX	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										

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132	0	8	F1071	C CE_WBOOTS	V	n/a	0	255	F0078	none
CURVE										
133	0	8	F1072	C CE_INTCNT	V	n/a	0	255	none	none
CURVE										
134	0	8	F1073	C CE_WDOGCNT	V	n/a	0	255	F0078	none
CURVE										
135	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
135	4	1	F1074	C CE_QUADSEL #3	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
135	5	1	F1075	C CE_QUADSEL #2	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
135	6	1	F1076	C CE_QUADSEL #1	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
135	7	1	F1077	C CE_QUADSEL #0	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
136	0	1	F1078	C EPCE Active	V	n/a	0	1	none	none
RAW MEANING										
0	Nominal									
1	Redundant									
136	1	1	F1079	C EPCE Mode	V	n/a	0	1	F0083	none
RAW MEANING										
0	Nominal									
1	Debug									
136	2	1	F1080	C EPCEMemoModify	V	n/a	0	1	F0091	X5001
RAW MEANING										
0	One time									
1	Continuously									
136	3	1	F1081	C EPCEMemModAuto	V	n/a	0	1	F0091	none
RAW MEANING										
0	Off									
1	On									
136	4	1	F1082	CCEB/CEWPUT VeRe	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
136	5	1	F1083	CCEB/CEWPUT VeSt	V	n/a	0	1	F0091	none
RAW MEANING										
0	Enabled									
1	Disabled									
136	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
136	7	1	F1476	CEMEMCHK active	V	n/a	0	1	F0065	none
RAW MEANING										
0	Not Active									
1	Active									
137	0	1	F1084	C FWGOTO Status	V	n/a	0	1	F0129	none
RAW MEANING										
0	Not Active									
1	Active									
137	1	1	F1085	C FWCAL Status	V	n/a	0	1	F0130	none
RAW MEANING										

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0	Not Active										
1	Active										
137	2	1	F1086	CCERAMCHK Status	V	n/a	0	1	F0179	none	
RAW MEANING											
0	Not Active										
1	Active										
137	3	1	F1087	CMemUplinkStatus	V	n/a	0	1	F0082	none	
RAW MEANING											
0	Not Active										
1	Active										
137	4	1	F1088	CCEIntVecMemTest	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
137	5	1	F1089	C CEMemBank2Test	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
137	6	1	F1090	C CEMemBank1Test	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
137	7	1	F1091	C CEMemBank0Test	V	n/a	0	1	none	X5015	
RAW MEANING											
0	Passed										
1	Failed										
138	0	16	F1092	C CE_MSG	V	n/a	0	65535	F0079	none	
CURVE											
140	0	16	F1093	C CE_ADDRS	V	n/a	0	65535	F0088	none	
CURVE											
142	0	16	F1094	C CE_ADDRO	V	n/a	0	65535	F0088	none	
CURVE											
144	0	16	F1095	C CE_DATA	V	n/a	0	65535	F0088	none	
CURVE											
146	0	16	F1096	C CE_MEMCHKSS	V	n/a	0	65535	F0065	none	
CURVE											
148	0	16	F1097	C CE_MEMCHKSO	V	n/a	0	65535	F0065	none	
CURVE											
150	0	16	F1098	C CE_MEMCHKLEN	V	n/a	0	65535	F0065	none	
CURVE											
152	0	16	F1099	C CE_MEMCHKSUM	V	n/a	0	65535	F0065	none	
CURVE											
154	0	16	F1100	C CE_RAMCHKSS	V	n/a			F0179	none	
CURVE											
156	0	16	F1101	C CE_RAMCHKSO	V	n/a	0	65535	F0179	none	
CURVE											
158	0	16	F1102	C CE_RAMCHKLEN	V	n/a	0	65535	F0179	none	
CURVE											
160	0	4	F1103	C CE_DCREG slave	V	n/a	0	7	F0194	none	
CURVE											
160	4	4	F1204	C CE_DCREGmaster	V	n/a	0	7	F0194	none	
CURVE											

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161	0	16	F1104	C CE_DCCMD	V	n/a	0	65535	F0194	none
CURVE										
163	0	8	F1105	C CE_DCSTAT	V	n/a	0	65535	F0194	none
CURVE										
164	0	16	F1106	C CE_DCADATA	V	n/a	0	65535	F0194	none
CURVE										
166	0	8	F1107	C CE_LASTCMD	V	n/a	0	255	none	none
RAW MEANING										
167	0	16	F1108	C CE_MUPL_S	V	n/a	0	65535	F0082	none
CURVE										
169	0	16	F1109	C CE_MUPL_O	V	n/a	0	65535	F0082	none
CURVE										
171	0	8	F1110	C CE_MUPL_L	V	n/a	0	232	F0082	none
CURVE										
172	0	1	F1111	H FW Moving Mode	V	n/a	0	1	F0126	none
RAW MEANING										
0	Emergency									
1	Normal									
172	1	1	F1112	HFW Moving Direc	V	n/a	0	1	F0125	none
RAW MEANING										
0	Up									
1	Down									
172	2	1	F1113	H FW Stop Sensor	V	n/a	0	1	F0190	none
RAW MEANING										
0	Enabled									
1	Disabled									
172	3	11	F1114	HFW TimeOut Step	V	n/a	0	1599	F0123	none
CURVE										
173	6	1	F1115	HFW Moving Speed	V	n/a	0	1	F0188	none
RAW MEANING										
0	Slow									
1	Fast									
173	7	1	F1116	H FW TimeOutStop	V	n/a	0	1	F0189	none
RAW MEANING										
0	Disabled									
1	Enabled									
174	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
174	3	1	F1117	H FW PW Pos&Temp	V	n/a	0	1	F0127	none
RAW MEANING										
0	Off									
1	On									
174	4	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
175	2	3	F1118	H FW PosSensorST	V	n/a	0	7	F0129	X5020
RAW MEANING										
0	Open									
1	Filter D									
2	Filter C									
3	Filter B									
4	Filter A									
5	Close									
7	No Stop Pos.									
175	5	1	F1119	HFW Motor Status	V	n/a	0	1	F0124	none
RAW MEANING										

EPCS TM PACKETS

0	Stopped										
1	Running										
175	6	1	F1120	HFW StopPosition	V	n/a	0	1	none	none	
RAW MEANING											
0	Not Active										
1	Active										
175	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
176	0	16	F1122	H CE_FWSPOT	V	n/a	0	359,9	none	X5020	
CURVE ENG (°C) = RAW*(-0.8547)+417.094											
178	0	16	F1123	H CE_FWTEMP1	V	degC			none	X5020	
CURVE ENG (°C) = RAW*(-0.8967)+186.088											
180	0	16	F1124	H CE_FWTEMP2	V	degC			none	X5020	
CURVE ENG (°C) = RAW*(-0.8967)+186.088											
182	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
183	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none	
CURVE											
183	4	1	F1125	HFW DecontHeaLtc	V	n/a	0	1	none	none	
RAW MEANING											
0	ON										
1	OFF										
183	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
183	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
183	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
184	0	16	F1127	H CE_TTMPFPC	V	degC			none	none	
CURVE ENG (°C) = RAW*(-0.7303)+129.6629											
186	0	16	F1128	H CE_TTMPFPF	V	degC			none	none	
CURVE ENG (°C) = RAW*(-0.07421)-91.2987											
188	0	16	F1129	H CE_TTMPS	V	degC			none	none	
CURVE ENG (°C) = RAW*(-0.7303)+129.6629											
190	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											

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191	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
191	5	1	F1130	H HOP PW Sensor	V	n/a	0	1	F0191	none
RAW MEANING										
0	Off									
1	On									
191	6	1	F1131	H HOP Retracted	V	n/a	0	1	none	X5000
RAW MEANING										
0	Retracted									
1	NotRetracted									
191	7	1	F1132	HHOP Door Status	V	n/a	0	1	F0044	X5000
RAW MEANING										
0	Open									
1	Closed									
192	0	8	F1133	C CE_U+5D	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.045										
193	0	8	F1134	C CE_U+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.044										
194	0	8	F1135	C CE_U-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.13)										
195	0	8	F1136	C CE_UDGND	V	V	-0,5	0,5	none	none
CURVE ENG (V) = RAW*0.01954-2.5										
196	0	8	F1137	C CE_CU+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.036										
197	0	8	F1138	C CE_CU-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.0711)										
198	0	1	F1139	C ErA0 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
198	1	1	F1140	CErA0 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	2	1	F1141	C ErA0 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	3	1	F1142	CErA0 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	4	1	F1143	CErA0 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
198	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
199	0	8	F1144	C ErA0 NegACKCod	V	n/a			F0078	none
RAW MEANING										

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200	0	1	F1145	C ErA1 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
200	1	1	F1146	CErA1 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	2	1	F1147	C ErA1 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	3	1	F1148	CErA1 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	4	1	F1149	CErA1 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
200	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
201	0	8	F1150	C ErA1 NegACKCod	V	n/a			F0078	none
RAW MEANING										
202	0	1	F1151	C ErA2 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
202	1	1	F1152	CErA2 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	2	1	F1153	C ErA2 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	3	1	F1154	CErA2 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	4	1	F1155	CErA2 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
202	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
203	0	8	F1156	C ErA2 NegACKCod	V	n/a			F0078	none
RAW MEANING										
204	0	1	F1157	C ErA3 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
204	1	1	F1158	CErA3 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
204	2	1	F1159	C ErA3 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									

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204	3	1	F1160	CErA3 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
204	4	1	F1161	CErA3 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
204	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
205	0	8	F1162	C ErA3 NegACKCod	V	n/a			F0078	none
RAW MEANING										
206	0	16	F1163	C CE_IOADDR	V	n/a	0	65535	F0088	none
CURVE										
208	0	16	F1164	C CE_IODATA	V	n/a	0	65535	F0088	none
CURVE										
210	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
210	1	1	F1165	C RecTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	2	1	F1477	C RecHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	3	1	F1478	C TransComShowin	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	4	1	F1479	C TraTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	5	1	F1480	C TranHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	6	1	F1481	C ReceivCommShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
210	7	1	F1482	C HexComDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
211	0	16	F1166	C CE_SSEG	V	n/a	0	65535	none	none
CURVE										
213	0	16	F1167	C CE_DSEG	V	n/a	0	65535	none	none
CURVE										
215	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
216	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
216	2	1	F1168	VCurrentMeasCoSw	V	n/a	0	1	F0142	none
RAW MEANING										

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0	Enabled										
1	Disabled										
216	3	1	F1169	VConvSync Switch	V	n/a	0	1	F0143	none	
RAW MEANING											
0	Enabled										
1	Disabled										
216	4	4	F1907	Spare 4 bits	V	n/a	0	15	none	none	
CURVE											
217	0	1	F1170	VAcSTSwitchThPW2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	1	1	F1171	VAcSTSwitchThPW1	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	2	1	F1172	V AcSTSwitchFW	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	3	1	F1173	V AcSTSwitchHT	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	4	1	F1174	V AcSTSwitchQua3	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	5	1	F1175	V AcSTSwitchQua2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	6	1	F1176	V AcSTSwitchQua1	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
217	7	1	F1177	V AcSTSwitchQua0	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	0	1	F1178	V SwitchThermPW2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	1	1	F1179	V SwitchThermPW1	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	2	1	F1180	V Switch FW	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	3	1	F1181	V Switch HT	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	4	1	F1182	V Switch Qua3	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										
218	5	1	F1183	V Switch Qua2	V	n/a	0	1	none	none	
RAW MEANING											
0	Off										
1	On										

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218	6	1	F1184	V Switch Qua1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
218	7	1	F1185	V Switch Qua0	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
219	0	8	F1186	V VC_TEMP1	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
220	0	8	F1187	V VC_TEMP2	V	V			none	none
CURVE ENG (°C) = RAW*1.73-270										
221	0	8	F1188	V VC_IMAIN	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.617										
222	0	8	F1189	V VC_IQ0	V	mA			none	X5006
CURVE ENG (mA) = RAW*4.0										
223	0	8	F1190	V VC_IQ1	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.777										
224	0	8	F1191	V VC_IQ2	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.273										
225	0	8	F1192	V VC_IQ3	V	mA			none	X5006
CURVE ENG (mA) = RAW*3.491										
226	0	8	F1193	V VC_IHT	V	mA			none	X5006
CURVE ENG (mA) = RAW*5.74+42.778										
227	0	8	F1194	V VC_HV0CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
228	0	8	F1195	V VC_HV1CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
229	0	8	F1196	V VC_HV2CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
230	0	8	F1197	V VC_HV3CTRL	V	n/a	0	255	F0141	none
RAW MEANING										
231	0	16	F1198	V VC_UHV0	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
233	0	16	F1199	V VC_UHV1	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
235	0	16	F1200	V VC_UHV2	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
237	0	16	F1201	V VC_UHV3	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
239	0	8	F1202	V VC_HTCTRL	V	n/a	0	255	F0141	none
CURVE										
240	0	16	F1203	V VC_UHT	V	V	0	40	F0141	none
CURVE ENG (V) = RAW*(-0.10756)+54.532										

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242	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
243	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
243	3	1	F1205	EQUCH0 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	4	1	F1206	EQUCH0 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	5	1	F1207	EQUCH0 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	6	1	F1208	EQUCH0 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
243	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
244	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
244	3	1	F1209	EQUCH1 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	4	1	F1210	EQUCH1 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	5	1	F1211	EQUCH1 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	6	1	F1212	EQUCH1 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
244	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
245	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
245	3	1	F1213	EQUCH2 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
245	4	1	F1214	EQUCH2 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
245	5	1	F1215	EQUCH2 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
245	6	1	F1216	EQUCH2 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									

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1	On											
245	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
246	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none		
RAW MEANING												
246	3	1	F1217	EQUCH3 UVAR Offs	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	4	1	F1218	EQUCH3 CCD FFDR	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	5	1	F1219	EQUCH3 CCD BIAS	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	6	1	F1220	EQUCH3 CCD Power	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
246	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
247	0	1	F1221	ECACH0 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
247	1	1	F1222	ECACH0 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
247	2	1	F1223	ECACH0 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
247	3	1	F1224	ECACH0 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
247	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
247	5	1	F1225	ECACH0 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
247	6	1	F1226	ECACH0 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
247	7	1	F1227	ECACH0 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
248	0	1	F1228	ECACH1 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
248	1	1	F1229	ECACH1 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											

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248	2	1	F1230	ECACH1 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
248	3	1	F1231	ECACH1 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
248	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
248	5	1	F1232	ECACH1 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
248	6	1	F1233	ECACH1 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
248	7	1	F1234	ECACH1 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
249	0	1	F1235	E CACH2 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
249	1	1	F1236	ECACH2 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
249	2	1	F1237	ECACH2 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
249	3	1	F1238	ECACH2 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
249	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
249	5	1	F1239	ECACH2 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
249	6	1	F1240	ECACH2 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
249	7	1	F1241	ECACH2 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
250	0	1	F1242	E CACH3 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
250	1	1	F1243	ECACH3 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
250	2	1	F1244	ECACH3 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									

1	On											
250	3	1	F1245	ECACH3 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
250	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
250	5	1	F1246	ECACH3 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
250	6	1	F1247	ECACH3 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
250	7	1	F1248	ECACH3 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
251	0	8	F1249	E C0_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05869)												
252	0	8	F1250	E C1_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05869)												
253	0	8	F1251	E C2_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05825)												
254	0	8	F1252	E C3_UVBST	V	V			F0158	none		
CURVE ENG (V) = RAW*(-0.05869)												
255	0	16	F1253	E C0_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
257	0	16	F1254	E C1_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
259	0	16	F1255	E C2_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
261	0	16	F1256	E C3_TEMPCCD	V	mV			none	none		
CURVE ENG (mV) = RAW*(-1.74292)												
263	0	8	F1257	E C0_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
264	0	8	F1258	E C1_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
265	0	8	F1259	E C2_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.298214												
266	0	8	F1260	E C3_IVSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
267	0	8	F1261	E C0_IVSSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
268	0	8	F1262	E C1_IVSSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.29851												
269	0	8	F1263	E C2_IVSSSA	V	mA			none	none		
CURVE ENG (mA) = RAW*0.298214												

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270	0	8	F1264	E C3_IVSSSA	V	mA				none	none
CURVE	ENG (mA) = RAW*0.29851										
271	0	8	F1906	Spare 1 byte	V	n/a	0	255		none	none
CURVE											
272	0	16	F1265	H OH_CTRL	V	n/a				F0132	none
CURVE											
274	0	16	F1266	H OH_STAT	V	n/a				F0133	none
CURVE											
276	0	16	F1267	H OH_TEMP	V	n/a				F0131	none
CURVE											
278	0	16	F1268	H DH_CTRL	V	n/a				F0135	none
CURVE											
280	0	16	F1269	H DH_STAT	V	n/a				F0136	none
CURVE											
282	0	16	F1270	H DH_TEMP	V	n/a				F0134	none
CURVE											
284	0	8	F1271	V VC_IFW	V	mA				none	X5006
CURVE	ENG (mA) = RAW*4.082										
285	0	8	F1272	V VC_IT	V	mA				none	X5006
CURVE	ENG (mA) = RAW*6.818										
286	0	8	F1273	C CE_ERR1	V	n/a				F0078	none
RAW MEANING											
287	0	8	F1274	C CE_ERR2	V	n/a				F0078	none
RAW MEANING											
288	0	8	F1275	C CE_ERR3	V	n/a				F0078	none
RAW MEANING											
289	0	8	F1276	C CE_ERR4	V	n/a				F0078	none
RAW MEANING											
290	0	8	F1277	C CE_ERR5	V	n/a				F0078	none
RAW MEANING											
291	0	8	F1278	C CE_ERR6	V	n/a				F0078	none
RAW MEANING											
292	0	8	F1279	C CE_ERR7	V	n/a				F0078	none
RAW MEANING											
293	0	8	F1280	C CE_ERR8	V	n/a				F0078	none
RAW MEANING											
294	0	8	F1281	C CE_ERR9	V	n/a				F0078	none
RAW MEANING											
295	0	8	F1282	C CE_ERR10	V	n/a				F0078	none
RAW MEANING											
296	0	8	F1283	C CE_ERR11	V	n/a				F0078	none
RAW MEANING											
297	0	8	F1284	C CE_ERR12	V	n/a				F0078	none
RAW MEANING											

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298	0	8	F1285	C CE_ERR13	V	n/a			F0078	none
RAW MEANING										
299	0	8	F1286	C CE_ERR14	V	n/a			F0078	none
RAW MEANING										
300	0	8	F1287	C CE_ERR15	V	n/a			F0078	none
RAW MEANING										
301	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
305	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
309	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
309	6	1	F1288	C MasterSeqClock	V	n/a	0	1	F0093	none
RAW MEANING										
0	Disabled									
1	Enabled									
309	7	1	F1289	C Select ReadQua	V	n/a	0	1	F0093	none
RAW MEANING										
0	Parallel									
1	Sequential									
310	0	1	F1290	CMS QuaSelected3	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	1	1	F1291	CMS QuaSelected2	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	2	1	F1292	CMS QuaSelected1	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	3	1	F1293	CMS QuaSelected0	V	n/a	0	1	F0093	none
RAW MEANING										
0	Off									
1	On									
310	4	4	F1294	CMS TimIntReaQua	V	n/a			F0093	none
CURVE										
311	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
315	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
317	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
317	6	1	F1295	A0 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
317	7	1	F1296	A0 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
318	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

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318	1	1	F1297	A0 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
318	2	1	F1298	A0 Memory Modify	V	n/a	0	1	F0183	X5002
RAW MEANING										
0	One time									
1	Continuously									
318	3	1	F1299	A0 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
318	4	1	F1300	A0 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
318	5	1	F1301	A0 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
318	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
318	7	1	F1334	A0 MEMCHK active	V	n/a	0	1	F0068	none
RAW MEANING										
0	Not Active									
1	Active									
319	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
319	2	1	F1302	A0 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
319	3	1	F1303	A0 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
319	4	1	F1304	A0 IntVecMemTest	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
319	5	1	F1305	A0 MemBank2Test	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
319	6	1	F1306	A0 MemBank1Test	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
319	7	1	F1307	A0 MemBank0Test	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
320	0	8	F1308	A0_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
321	0	8	F1309	A0_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
322	0	8	F1310	A0_LASTERR	V	n/a			F0103	none
RAW MEANING										

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323	0	8	F1311	A0_CMDCNT	V	n/a	0	255	none	none
CURVE										
324	0	8	F1312	A0_CMDCNTR	V	n/a	0	255	none	none
CURVE										
325	0	8	F1313	A0_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
326	0	16	F1315	A0_BYTEREC	V	n/a	0	65535	none	none
CURVE										
328	0	16	F1316	A0_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
330	0	16	F1317	A0_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
332	0	16	F1318	A0_DATA	V	n/a	0	65535	F0099	none
CURVE										
334	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
334	5	1	F1484	A0 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
334	6	1	F1483	A0 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
334	7	1	F1319	A0 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
335	0	16	F1320	A0_SECCNT	V	n/a	0	65535	none	none
CURVE										
337	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
337	4	1	F1321	A0 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
337	5	1	F1322	A0 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
337	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
338	0	8	F1323	A0_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
339	0	16	F1324	A0_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
341	0	16	F1325	A0_MUPLO	V	n/a	0	65535	F0094	none
CURVE										

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343	0	8	F1326	A0_MUPLL	V	n/a	0	232	F0094	none
CURVE										
344	0	16	F1327	A0_ATHRC	V	n/a	0	65535	none	none
CURVE										
346	0	16	F1328	A0_FIFRC	V	n/a	0	65535	none	none
CURVE										
348	0	16	F1329	A0_EPDHC	V	n/a	0	65535	none	none
CURVE										
350	0	16	F1330	A0_DSLINC	V	n/a	0	65535	none	none
CURVE										
352	0	16	F1331	A0_MCM	V	n/a	0	4095	none	none
CURVE										
354	0	16	F1332	A0_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
356	0	16	F1333	A0_IODATA	V	n/a	0	65535	F0099	none
CURVE										
358	0	8	F1314	A0_LASTCMD	V	n/a			none	none
RAW MEANING										
359	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
361	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
362	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
362	1	1	F1335	A0H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	2	1	F1336	A0H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	3	1	F1337	A0H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	4	1	F1338	A0H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
362	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
363	0	8	F1339	A0H NegACKErCod	V	n/a			none	none
RAW MEANING										
364	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
365	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										

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365	6	1	F1340	A1 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
365	7	1	F1341	A1 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
366	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
366	1	1	F1342	A1 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
366	2	1	F1343	A1 Memory Modify	V	n/a	0	1	F0183	X5003
RAW MEANING										
0	One time									
1	Continuously									
366	3	1	F1344	A1 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
366	4	1	F1345	A1 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
366	5	1	F1346	A1 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
366	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
366	7	1	F1379	A1 MEMCHK active	V	n/a	0	1	F0170	none
RAW MEANING										
0	Not Active									
1	Active									
367	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
367	2	1	F1347	A1 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
367	3	1	F1348	A1 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
367	4	1	F1349	A1 IntVecMemTest	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									
367	5	1	F1350	A1 MemBank2Test	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									
367	6	1	F1351	A1 MemBank1Test	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									
367	7	1	F1352	A1 MemBank0Test	V	n/a	0	1	none	X5017
RAW MEANING										
0	Passed									
1	Failed									

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368	0	8	F1353	A1_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
369	0	8	F1354	A1_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
370	0	8	F1355	A1_LASTERR	V	n/a			F0103	none
RAW MEANING										
371	0	8	F1356	A1_CMDCNT	V	n/a	0	255	none	none
CURVE										
372	0	8	F1357	A1_CMDCNTR	V	n/a	0	255	none	none
CURVE										
373	0	8	F1358	A1_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
374	0	16	F1360	A1_BYTEREC	V	n/a	0	65535	none	none
CURVE										
376	0	16	F1361	A1_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
378	0	16	F1362	A1_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
380	0	16	F1363	A1_DATA	V	n/a	0	65535	F0099	none
CURVE										
382	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
382	5	1	F1486	A1 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
382	6	1	F1485	A1 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
382	7	1	F1364	A1 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
383	0	16	F1365	A1_SECCNT	V	n/a	0	65535	none	none
CURVE										
385	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
385	4	1	F1366	A1 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
385	5	1	F1367	A1 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
385	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
386	0	8	F1368	A1_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									

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1	Send										
2	Debug										
387	0	16	F1369	A1_MUPLS	V	n/a	0	65535	F0094	none	
CURVE											
389	0	16	F1370	A1_MUPLO	V	n/a	0	65535	F0094	none	
CURVE											
391	0	8	F1371	A1_MUPLL	V	n/a	0	232	F0094	none	
CURVE											
392	0	16	F1372	A1_ATHRC	V	n/a	0	65535	none	none	
CURVE											
394	0	16	F1373	A1_FIFRC	V	n/a	0	65535	none	none	
CURVE											
396	0	16	F1374	A1_EPDHC	V	n/a	0	65535	none	none	
CURVE											
398	0	16	F1375	A1_DSLINC	V	n/a	0	65535	none	none	
CURVE											
400	0	16	F1376	A1_MCM	V	n/a	0	4095	none	none	
CURVE											
402	0	16	F1377	A1_IOADDR	V	n/a	0	65535	F0099	none	
CURVE											
404	0	16	F1378	A1_IODATA	V	n/a	0	65535	F0099	none	
CURVE											
406	0	8	F1359	A1_LASTCMD	V	n/a			none	none	
RAW MEANING											
407	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none	
CURVE											
409	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
410	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
410	1	1	F1380	A1H Rec Data Cks	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	2	1	F1381	A1H Transmit ST	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	3	1	F1382	A1H AckTimeOutSt	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	4	1	F1383	A1H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
410	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
411	0	8	F1384	A1H NegACKErCod	V	n/a			none	none	
RAW MEANING											

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412	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
416	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
417	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
417	6	1	F1385	A2 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
417	7	1	F1386	A2 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
418	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
418	1	1	F1387	A2 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
418	2	1	F1388	A2 Memory Modify	V	n/a	0	1	F0183	X5004
RAW MEANING										
0	One time									
1	Continuously									
418	3	1	F1389	A2 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
418	4	1	F1390	A2 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
418	5	1	F1391	A2 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
418	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
418	7	1	F1424	A2 MEMCHK active	V	n/a	0	1	F0172	none
RAW MEANING										
0	Not Active									
1	Active									
419	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
419	2	1	F1392	A2 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
419	3	1	F1393	A2 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
419	4	1	F1394	A2 IntVecMemTest	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
419	5	1	F1395	A2 MemBank2Test	V	n/a	0	1	none	X5018
RAW MEANING										

EPCS TM PACKETS

0	Passed											
1	Failed											
419	6	1	F1396	A2 MemBank1Test	V	n/a	0	1	none	X5018		
RAW MEANING												
0	Passed											
1	Failed											
419	7	1	F1397	A2 MemBank0Test	V	n/a	0	1	none	X5018		
RAW MEANING												
0	Passed											
1	Failed											
420	0	8	F1398	A2_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
421	0	8	F1399	A2_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
422	0	8	F1400	A2_LASTERR	V	n/a			F0103	none		
RAW MEANING												
423	0	8	F1401	A2_CMDCNT	V	n/a	0	255	none	none		
CURVE												
424	0	8	F1402	A2_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
425	0	8	F1403	A2_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
426	0	16	F1405	A2_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
428	0	16	F1406	A2_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
430	0	16	F1407	A2_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
432	0	16	F1408	A2_DATA	V	n/a	0	65535	F0099	none		
CURVE												
434	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none		
CURVE												
434	5	1	F1488	A2 CCD 2 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
434	6	1	F1487	A2 CCD 1 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
434	7	1	F1409	A2 CCD 0 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
435	0	16	F1410	A2_SECCNT	V	n/a	0	65535	none	none		
CURVE												
437	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
437	4	1	F1411	A2 IllgCPUInterr	V	n/a	0	1	F0103	none		
RAW MEANING												
0	Not Received											
1	Received											

EPCS TM PACKETS

437	5	1	F1412	A2 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
437	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
438	0	8	F1413	A2_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
439	0	16	F1414	A2_MUPLS	V	n/a	0	65536	F0094	none
CURVE										
441	0	16	F1415	A2_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
443	0	8	F1416	A2_MUPLL	V	n/a	0	232	F0094	none
CURVE										
444	0	16	F1417	A2_ATHRC	V	n/a	0	65535	none	none
CURVE										
446	0	16	F1418	A2_FIFRC	V	n/a	0	65535	none	none
CURVE										
448	0	16	F1419	A2_EPDHC	V	n/a	0	65535	none	none
CURVE										
450	0	16	F1420	A2_DSLINC	V	n/a	0	65535	none	none
CURVE										
452	0	16	F1421	A2_MCM	V	n/a	0	4095	none	none
CURVE										
454	0	16	F1422	A2_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
456	0	16	F1423	A2_IODATA	V	n/a	0	65535	F0099	none
CURVE										
458	0	8	F1404	A2_LASTCMD	V	n/a			none	none
RAW MEANING										
459	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
461	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
462	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
462	1	1	F1425	A2H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
462	2	1	F1426	A2H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
462	3	1	F1427	A2H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									

EPCS TM PACKETS

1	Error										
462	4	1	F1428	A2H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
462	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
463	0	8	F1429	A2H NegACKErCod	V	n/a			none	none	
RAW MEANING											
464	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
465	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none	
CURVE											
465	6	1	F1430	A3 CPU MedianCor	V	n/a	0	1	F0122	none	
RAW MEANING											
0	ON										
1	OFF										
465	7	1	F1431	A3 CPU PMODE	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Idle										
1	Send										
466	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
466	1	1	F1432	A3 EPEA mode	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Nominal										
1	Debug										
466	2	1	F1433	A3 Memory Modify	V	n/a	0	1	F0183	X5005	
RAW MEANING											
0	One time										
1	Continuously										
466	3	1	F1434	A3 Memo Mod Auto	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Off										
1	On										
466	4	1	F1435	A3 EAB/EAWPUTVeR	V	n/a	0	1	none	none	
RAW MEANING											
0	Passed										
1	Failed										
466	5	1	F1436	A3 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Enabled										
1	Disabled										
466	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
466	7	1	F1469	A3 MEMCHK active	V	n/a	0	1	F0174	none	
RAW MEANING											
0	Not Active										
1	Active										
467	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
467	2	1	F1437	A3 EARAMCHK Sta	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
467	3	1	F1438	A3 MemUplink St	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										

EPCS TM PACKETS

1	Active										
467	4	1	F1439	A3 IntVecMemTest	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
467	5	1	F1440	A3 MemBank2Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
467	6	1	F1441	A3 MemBank1Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
467	7	1	F1442	A3 MemBank0Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
468	0	8	F1443	A3_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
469	0	8	F1444	A3_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
470	0	8	F1445	A3_LASTERR	V	n/a			F0103	none	
RAW MEANING											
471	0	8	F1446	A3_CMDCNT	V	n/a	0	255	none	none	
CURVE											
472	0	8	F1447	A3_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
473	0	8	F1448	A3_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
474	0	16	F1450	A3_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
476	0	16	F1451	A3_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
478	0	16	F1452	A3_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
480	0	16	F1453	A3_DATA	V	n/a	0	65535	F0099	none	
CURVE											
482	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none	
CURVE											
482	5	1	F1490	A3 CCD 2 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
482	6	1	F1489	A3 CCD 1 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
482	7	1	F1454	A3 CCD 0 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
483	0	16	F1455	A3_SECCNT	V	n/a	0	65535	none	none	
CURVE											

EPCS TM PACKETS

485	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
485	4	1	F1456	A3 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
485	5	1	F1457	A3 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
485	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
486	0	8	F1458	A3_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
487	0	16	F1459	A3_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
489	0	16	F1460	A3_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
491	0	8	F1461	A3_MUPLL	V	n/a	0	232	F0094	none
CURVE										
492	0	16	F1462	A3_ATHRC	V	n/a	0	65535	none	none
CURVE										
494	0	16	F1463	A3_FIFRC	V	n/a	0	65535	none	none
CURVE										
496	0	16	F1464	A3_EPDBC	V	n/a	0	65535	none	none
CURVE										
498	0	16	F1465	A3_DSLINC	V	n/a	0	65535	none	none
CURVE										
500	0	16	F1466	A3_MCM	V	n/a	0	4095	none	none
CURVE										
502	0	16	F1467	A3_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
504	0	16	F1468	A3_IODATA	V	n/a	0	65535	F0099	none
CURVE										
506	0	8	F1449	A3_LASTCMD	V	n/a			none	none
RAW MEANING										
507	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
509	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
510	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
510	1	1	F1470	A3H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

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Appendix M

510	2	1	F1471	A3H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
510	3	1	F1472	A3H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
510	4	1	F1473	A3H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
510	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
511	0	8	F1474	A3H NegACKErCod	V	n/a			none	none
RAW MEANING										
512	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50002	1792	AdditionalPeriodicHK	1	1	11	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 0B00

Bit	Width	Name	F/V	Value
0	8	SID	F	11
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0311

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	1
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	8	F1501	A0_CMOFFSS	V	n/a		0	199		F0005	none
CURVE												
17	0	8	F1502	A0_CMOFFSE	V	n/a		0	199		F0005	none
CURVE												
18	0	8	F1503	A0_CMADDO1 CCD	V	n/a		0	2		F0180	none
CURVE												
19	0	8	F1504	A0_CMADDO1 COL	V	n/a		0	63		F0180	none
CURVE												
20	0	16	F1505	A0_CMADDO2	V	n/a					F0180	none
CURVE												
22	0	8	F1506	A0_WBOOTS	V	n/a						none
CURVE												
23	0	8	F1507	A0_WDOGCNT	V	n/a						none
CURVE												
24	0	16	F1508	A0_MEMCHKSS	V	n/a					F0068	none
CURVE												
26	0	16	F1509	A0_MEMCHKSO	V	n/a					F0068	none
CURVE												

EPCS TM PACKETS

28	0	16	F1510	A0_MEMCHKL	V	n/a			F0068	none
CURVE										
30	0	16	F1511	A0_MEMCHK	V	n/a			F0068	none
CURVE										
32	0	16	F1512	A0_RAMCHKSS	V	n/a			F0175	none
CURVE										
34	0	16	F1513	A0_RAMCHKSO	V	n/a			F0175	none
CURVE										
36	0	16	F1514	A0_RAMCHKL	V	n/a			F0175	none
CURVE										
38	0	16	F1515	A0_CMLOTH0	V	n/a			F0109	none
CURVE										
40	0	16	F1516	A0_CMLOTH1	V	n/a			F0109	none
CURVE										
42	0	16	F1517	A0_CMLOTH2	V	n/a			F0109	none
CURVE										
44	0	8	F1518	A0_MIPREJ0	V	n/a			none	none
CURVE										
45	0	8	F1519	A0_MIPREJ1	V	n/a			none	none
CURVE										
46	0	8	F1520	A0_MIPREJ2	V	n/a			none	none
CURVE										
47	0	8	F1521	A0_LCHIP	V	n/a	0	2	F0118	none
CURVE										
48	0	8	F1522	A0_LLINE	V	n/a	0	199	F0118	none
CURVE										
49	0	8	F1523	A0_UCHIP	V	n/a	0	2	F0118	none
CURVE										
50	0	8	F1524	A0_ULINE	V	n/a	0	199	F0118	none
CURVE										
51	0	16	F1525	A0_CMCORR	V	n/a			F0108	none
CURVE										
53	0	16	F1526	A0_CMDEVL	V	n/a			F0110	none
CURVE										
55	0	16	F1527	A0_CMDEVH	V	n/a			F0110	none
CURVE										
57	0	4	F1528	A0_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										
0	Good									
1	Bad									
57	4	4	F1529	A0_CMLINE CCD	V	n/a	0	2	F0120	none
CURVE										
58	0	8	F1530	A0_CMLINE Numb	V	n/a	0	199	F0120	none
CURVE										

EPCS TM PACKETS

59	0	4	F1531	A0_CMCOL PixSet	V	n/a	0	1	F0121	none
RAW MEANING										
0	Good									
1	Bad									
59	4	4	F1532	A0_CMCOL CCD	V	n/a	0	2	F0121	none
CURVE										
60	0	8	F1533	A0_CMCOL Numb	V	n/a	0	63	F0121	none
CURVE										
61	0	8	F1534	A0_CHOP	V	n/a	0	31	F0111	none
CURVE										
62	0	8	F1535	A0_SENDDMODE	V	n/a	16	18	F0116	none
RAW MEANING										
16	MIP correc.1									
17	MIP correc.2									
18	No MIP corr.									
63	0	8	F1536	A0_EAMIPSEL	V	n/a	0	100	F0117	none
CURVE										
64	0	16	F1537	A0_COUNT	V	n/a			F0074	none
CURVE										
66	0	8	F1538	A0_MAXFRC	V	n/a			F0176	none
CURVE										
67	0	8	F1539	A0_RDMODE	V	n/a	32	36	F0114	none
RAW MEANING										
32	Full Frame									
33	Small Window									
34	Large Window									
35	Timing									
36	Burst									
68	0	16	F1540	A0_SSEG	V	n/a			none	none
CURVE										
70	0	16	F1541	A0_DSEG	V	n/a			none	none
CURVE										
72	0	16	F1579	A0 MIP Threshold	V	n/a			F0195	none
CURVE										
74	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
78	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
78	1	1	F1542	A0L RecData Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
78	2	1	F1543	A0L Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
78	3	1	F1544	A0L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
78	4	1	F1545	A0L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

78	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
79	0	8	F1546	A0L NegACKErCod	V	n/a			none	none
RAW MEANING										
80	0	8	F1547	E C0_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
81	0	8	F1548	E C0_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
82	0	8	F1549	E C0_UPHI_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14342)										
83	0	8	F1550	E C0_UPHI_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14262)										
84	0	8	F1551	E C0_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06827										
85	0	8	F1552	E C0_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10271)										
86	0	8	F1553	E C0_RFGA_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06684)										
87	0	8	F1554	E C0_RFGA_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.0667)										
88	0	8	F1555	E C0_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*(0.06683)										
89	0	8	F1556	E C0_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12831)										
90	0	8	F1557	E C0_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03229										
91	0	8	F1558	E C0_UCMXVSS	V	V			none	none
CURVE ENG (V) = RAW*(-0.03221)										
92	0	8	F1559	E C0_U+15	V	V			none	none
CURVE ENG (V) = RAW*0.10667										
93	0	8	F1560	E C0_U-15	V	V			none	none
CURVE ENG (V) = RAW*(-0.10667)										
94	0	8	F1561	E C0_U-35	V	V			none	none
CURVE ENG (V) = RAW*(-0.23567)										
95	0	8	F1562	E C0_UVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03548										
96	0	8	F1563	E C0_UVDDA	V	V			none	none
CURVE ENG (V) = RAW*0.04281										
97	0	8	F1564	E C0_UVSSA	V	V			none	none
CURVE ENG (V) = RAW*(-0.04281)										
98	0	8	F1565	E C0_UDGND	V	V			none	none
CURVE ENG (V) = RAW*0.01954-2.5										
99	0	8	F1566	E C0_IVDDA	V	mA			none	none
CURVE ENG (mA) = RAW*0.29851										

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100	0	8	F1567	E C0_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.24242-4.3									
101	0	8	F1568	E C0_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23256-4.651									
102	0	8	F1569	E C0_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.03067									
103	0	8	F1570	E C0_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34843-44.5993									
104	0	8	F1571	E C0_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.16279-151.163									
105	0	8	F1572	E C0_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15607-150.289									
106	0	8	F1573	E C0_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15942-150.145									
107	0	8	F1574	E C0_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
108	0	8	F1575	E C0_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
109	0	8	F1576	E C0_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.62162-273									
110	0	8	F1577	E C0_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63043-273									
111	0	8	F1578	E C0_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23809-11.547									
112	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
116	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
120	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
122	0	8	F1601	A1_CMOFFSS	V	n/a	0	199	F0005	none
CURVE										
123	0	8	F1602	A1_CMOFFSE	V	n/a	0	199	F0005	none
CURVE										
124	0	8	F1603	A1_CMADDO1 CCD	V	n/a	0	2	F0180	none
CURVE										
125	0	8	F1604	A1_CMADDO1 COL	V	n/a	0	63	F0180	none
CURVE										
126	0	16	F1605	A1_CMADDO2	V	n/a			F0180	none
CURVE										
128	0	8	F1606	A1_WBOOTS	V	n/a			none	none
CURVE										

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129	0	8	F1607	A1_WDOGCNT	V	n/a			none	none
CURVE										
130	0	16	F1608	A1_MEMCHKSS	V	n/a			F0170	none
CURVE										
132	0	16	F1609	A1_MEMCHKSO	V	n/a			F0170	none
CURVE										
134	0	16	F1610	A1_MEMCHKL	V	n/a			F0170	none
CURVE										
136	0	16	F1611	A1_MEMCHK	V	n/a			F0170	none
CURVE										
138	0	16	F1612	A1_RAMCHKSS	V	n/a			F0175	none
CURVE										
140	0	16	F1613	A1_RAMCHKSO	V	n/a			F0175	none
CURVE										
142	0	16	F1614	A1_RAMCHKL	V	n/a			F0175	none
CURVE										
144	0	16	F1615	A1_CMLOTH0	V	n/a			F0109	none
CURVE										
146	0	16	F1616	A1_CMLOTH1	V	n/a			F0109	none
CURVE										
148	0	16	F1617	A1_CMLOTH2	V	n/a			F0109	none
CURVE										
150	0	8	F1618	A1_MIPREJ0	V	n/a			none	none
CURVE										
151	0	8	F1619	A1_MIPREJ1	V	n/a			none	none
CURVE										
152	0	8	F1620	A1_MIPREJ2	V	n/a			none	none
CURVE										
153	0	8	F1621	A1_LCHIP	V	n/a	0	2	F0118	none
CURVE										
154	0	8	F1622	A1_LLINE	V	n/a	0	199	F0118	none
CURVE										
155	0	8	F1623	A1_UCHIP	V	n/a	0	2	F0118	none
CURVE										
156	0	8	F1624	A1_ULINE	V	n/a	0	199	F0118	none
CURVE										
157	0	16	F1625	A1_CMCORR	V	n/a			F0108	none
CURVE										
159	0	16	F1626	A1_CMDEVL	V	n/a			F0110	none
CURVE										
161	0	16	F1627	A1_CMDEVH	V	n/a			F0110	none
CURVE										
163	0	4	F1628	A1_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										

EPCS TM PACKETS

0	Good											
1	Bad											
163	4	4	F1629	A1_CMLINE CCD	V	n/a	0	2	F0120	none		
CURVE												
164	0	8	F1630	A1_CMLINE Numb	V	n/a	0	199	F0120	none		
CURVE												
165	0	4	F1631	A1_CMCOL PixSet	V	n/a	0	1	F0121	none		
RAW MEANING												
0	Good											
1	Bad											
165	4	4	F1632	A1_CMCOL CCD	V	n/a	0	2	F0121	none		
CURVE												
166	0	8	F1633	A1_CMCOL Numb	V	n/a	0	63	F0121	none		
CURVE												
167	0	8	F1634	A1_CHOP	V	n/a	0	31	F0111	none		
CURVE												
168	0	8	F1635	A1_SENDDMODE	V	n/a	16	18	F0116	none		
RAW MEANING												
16	MIP correc.1											
17	MIP correc.2											
18	No MIP corr.											
169	0	8	F1636	A1_EAMIPSEL	V	n/a	0	100	F0117	none		
CURVE												
170	0	16	F1637	A1_COUNT	V	n/a			F0074	none		
CURVE												
172	0	8	F1638	A1_MAXFRC	V	n/a			F0176	none		
CURVE												
173	0	8	F1639	A1_RDMODE	V	n/a	32	36	F0114	none		
RAW MEANING												
32	Full Frame											
33	Small Window											
34	Large Window											
35	Timing											
36	Burst											
174	0	16	F1640	A1_SSEG	V	n/a				none	none	
CURVE												
176	0	16	F1641	A1_DSEG	V	n/a				none	none	
CURVE												
178	0	16	F1679	A1 MIP Threshold	V	n/a			F0195	none		
CURVE												
180	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672		none	none	
CURVE												
184	0	1	F1902	Spare 1 bit	V	n/a	0	1		none	none	
RAW MEANING												
184	1	1	F1642	A1L RecData Cks	V	n/a	0	1		none	none	
RAW MEANING												
0	No Error											
1	Error											
184	2	1	F1643	A1L Transmit ST	V	n/a	0	1		none	none	
RAW MEANING												
0	No Error											
1	Error											

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184	3	1	F1644	A1L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
184	4	1	F1645	A1L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
184	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
185	0	8	F1646	A1L NegACKErCod	V	n/a			none	none
RAW MEANING										
186	0	8	F1647	EC1_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
187	0	8	F1648	EC1_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14315)										
188	0	8	F1649	EC1_UPHI_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14342)										
189	0	8	F1650	EC1_UPHI_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14262)										
190	0	8	F1651	EC1_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06827										
191	0	8	F1652	EC1_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10271)										
192	0	8	F1653	EC1_RFGA_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06684)										
193	0	8	F1654	EC1_RFGA_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.0667)										
194	0	8	F1655	EC1_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*(0.06683)										
195	0	8	F1656	EC1_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12831)										
196	0	8	F1657	EC1_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03229										
197	0	8	F1658	EC1_UCMXVSS	V	V			none	none
CURVE ENG (V) = RAW*(-0.03221)										
198	0	8	F1659	EC1_U+15	V	V			none	none
CURVE ENG (V) = RAW*0.10667										
199	0	8	F1660	EC1_U-15	V	V			none	none
CURVE ENG (V) = RAW*(-0.10667)										
200	0	8	F1661	EC1_U-35	V	V			none	none
CURVE ENG (V) = RAW*(-0.23567)										
201	0	8	F1662	EC1_UVDD	V	V			none	none
CURVE ENG (V) = RAW*0.03548										
202	0	8	F1663	EC1_UVDDA	V	V			none	none
CURVE ENG (V) = RAW*0.04281										

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203	0	8	F1664	E C1_UVSSA	V	V			none	none
CURVE	ENG (V) = RAW*(-0.04281)									
204	0	8	F1665	E C1_UDGND	V	V			none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
205	0	8	F1666	E C1_IVDDA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
206	0	8	F1667	E C1_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.24242-4.3									
207	0	8	F1668	E C1_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23256-4.651									
208	0	8	F1669	E C1_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.03067									
209	0	8	F1670	E C1_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34843-44.5993									
210	0	8	F1671	E C1_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.16279-151.163									
211	0	8	F1672	E C1_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15607-150.289									
212	0	8	F1673	E C1_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15942-150.145									
213	0	8	F1674	E C1_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
214	0	8	F1675	E C1_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
215	0	8	F1676	E C1_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.62162-273									
216	0	8	F1677	E C1_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63043-273									
217	0	8	F1678	E C1_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23809-11.547									
218	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
222	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
226	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
228	0	8	F1701	A2_CMOFFSS	V	n/a	0	199	F0005	none
CURVE										
229	0	8	F1702	A2_CMOFFSE	V	n/a	0	199	F0005	none
CURVE										
230	0	8	F1703	A2_CMADDO1 CCD	V	n/a	0	2	F0180	none
CURVE										
231	0	8	F1704	A2_CMADDO1 COL	V	n/a	0	63	F0180	none
CURVE										

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232 CURVE	0	16	F1705	A2_CMADDO2	V	n/a			F0180	none
234 CURVE	0	8	F1706	A2_WBOOTS	V	n/a			none	none
235 CURVE	0	8	F1707	A2_WDOGCNT	V	n/a			none	none
236 CURVE	0	16	F1708	A2_MEMCHKSS	V	n/a			F0172	none
238 CURVE	0	16	F1709	A2_MEMCHKSO	V	n/a			F0172	none
240 CURVE	0	16	F1710	A2_MEMCHKL	V	n/a			F0172	none
242 CURVE	0	16	F1711	A2_MEMCHK	V	n/a			F0172	none
244 CURVE	0	16	F1712	A2_RAMCHKSS	V	n/a			F0175	none
246 CURVE	0	16	F1713	A2_RAMCHKSO	V	n/a			F0175	none
248 CURVE	0	16	F1714	A2_RAMCHKL	V	n/a			F0175	none
250 CURVE	0	16	F1715	A2_CMLOTH0	V	n/a			F0109	none
252 CURVE	0	16	F1716	A2_CMLOTH1	V	n/a			F0109	none
254 CURVE	0	16	F1717	A2_CMLOTH2	V	n/a			F0109	none
256 CURVE	0	8	F1718	A2_MIPREJ0	V	n/a			none	none
257 CURVE	0	8	F1719	A2_MIPREJ1	V	n/a			none	none
258 CURVE	0	8	F1720	A2_MIPREJ2	V	n/a			none	none
259 CURVE	0	8	F1721	A2_LCHIP	V	n/a	0	2	F0118	none
260 CURVE	0	8	F1722	A2_LLINE	V	n/a	0	199	F0118	none
261 CURVE	0	8	F1723	A2_UCHIP	V	n/a	0	2	F0118	none
262 CURVE	0	8	F1724	A2_ULINE	V	n/a	0	199	F0118	none
263 CURVE	0	16	F1725	A2_CMCORR	V	n/a			F0108	none

EPCS TM PACKETS

265	0	16	F1726	A2_CMDEVL	V	n/a			F0110	none
CURVE										
267	0	16	F1727	A2_CMDEVH	V	n/a			F0110	none
CURVE										
269	0	4	F1728	A2_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										
0	Good									
1	Bad									
269	4	4	F1729	A2_CMLINE CCD	V	n/a	0	2	F0120	none
CURVE										
270	0	8	F1730	A2_CMLINE Numb	V	n/a	0	199	F0120	none
CURVE										
271	0	4	F1731	A2_CMCOL PixSet	V	n/a	0	1	F0121	none
RAW MEANING										
0	Good									
1	Bad									
271	4	4	F1732	A2_CMCOL CCD	V	n/a	0	2	F0121	none
CURVE										
272	0	8	F1733	A2_CMCOL Numb	V	n/a	0	63	F0121	none
CURVE										
273	0	8	F1734	A2_CHOP	V	n/a	0	31	F0111	none
CURVE										
274	0	8	F1735	A2_SENDDMODE	V	n/a	16	18	F0116	none
RAW MEANING										
16	MIP correc.1									
17	MIP correc.2									
18	No MIP corr.									
275	0	8	F1736	A2_EAMIPSEL	V	n/a	0	100	F0117	none
CURVE										
276	0	16	F1737	A2_COUNT	V	n/a			F0074	none
CURVE										
278	0	8	F1738	A2_MAXFRC	V	n/a			F0176	none
CURVE										
279	0	8	F1739	A2_RDMODE	V	n/a	32	36	F0114	none
RAW MEANING										
32	Full Frame									
33	Small Window									
34	Large Window									
35	Timing									
36	Burst									
280	0	16	F1740	A2_SSEG	V	n/a			none	none
CURVE										
282	0	16	F1741	A2_DSEG	V	n/a			none	none
CURVE										
284	0	16	F1779	A2 MIP Threshold	V	n/a			F0195	none
CURVE										
286	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
290	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

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290	1	1	F1742	A2L RecData Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	2	1	F1743	A2L Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	3	1	F1744	A2L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	4	1	F1745	A2L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
290	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
291	0	8	F1746	A2L NegACKErCod	V	n/a			none	none
RAW MEANING										
292	0	8	F1747	E C2_UAMOS_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14427)										
293	0	8	F1748	E C2_UAMOS_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.1433)										
294	0	8	F1749	E C2_UPHL_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14286)										
295	0	8	F1750	E C2_UPHL_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.14206)										
296	0	8	F1751	E C2_UFLSH_H	V	V			F0158	none
CURVE ENG (V) = RAW*0.06818										
297	0	8	F1752	E C2_UFLSH_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.10289)										
298	0	8	F1753	E C2_RFGA_H	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06663)										
299	0	8	F1754	E C2_RFGA_L	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.06628)										
300	0	8	F1755	E C2_U+BIAS	V	V			none	none
CURVE ENG (V) = RAW*0.066817										
301	0	8	F1756	E C2_U-BIAS	V	V			none	none
CURVE ENG (V) = RAW*(-0.12798)										
302	0	8	F1757	E C2_UCMXVDD	V	V			none	none
CURVE ENG (V) = RAW*0.032285										
303	0	8	F1758	E C2_UCMXVSS	V	V			none	none
CURVE ENG (V) = RAW*(-0.03226)										
304	0	8	F1759	E C2_U+15	V	V			none	none
CURVE ENG (V) = RAW*0.106762										
305	0	8	F1760	E C2_U-15	V	V			none	none
CURVE ENG (V) = RAW*(-0.10714)										

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306	0	8	F1761	E C2_U-35	V	V			none	none
CURVE	ENG (V) = RAW*(-0.23411)									
307	0	8	F1762	E C2_UVDD	V	V			none	none
CURVE	ENG (V) = RAW*0.035587									
308	0	8	F1763	E C2_UVDDA	V	V			none	none
CURVE	ENG (V) = RAW*0.042705									
309	0	8	F1764	E C2_UVSSA	V	V			none	none
CURVE	ENG (V) = RAW*(-0.04271)									
310	0	8	F1765	E C2_UDGND	V	V			none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
311	0	8	F1766	E C2_IVDDA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.297619									
312	0	8	F1767	E C2_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.242424-3.333									
313	0	8	F1768	E C2_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.235294-5.2941									
314	0	8	F1769	E C2_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.030488									
315	0	8	F1770	E C2_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34662-44.3674									
316	0	8	F1771	E C2_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.186944-152.522									
317	0	8	F1772	E C2_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.166181-152.186									
318	0	8	F1773	E C2_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.194030-174.925									
319	0	8	F1774	E C2_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.652893-273									
320	0	8	F1775	E C2_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.652893-273									
321	0	8	F1776	E C2_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.627027-273									
322	0	8	F1777	E C2_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.643836-273									
323	0	8	F1778	E C2_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.238095-11.3095									
324	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
328	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
332	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
334	0	8	F1801	A3_CMOFFSS	V	n/a	0	199	F0005	none
CURVE										

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335 CURVE	0	8	F1802	A3_CMOFFSE	V	n/a	0	199	F0005	none
336 CURVE	0	8	F1803	A3_CMADDO1 CCD	V	n/a	0	2	F0180	none
337 CURVE	0	8	F1804	A3_CMADDO1 COL	V	n/a	0	63	F0180	none
338 CURVE	0	16	F1805	A3_CMADDO2	V	n/a			F0180	none
340 CURVE	0	8	F1806	A3_WBOOTS	V	n/a			none	none
341 CURVE	0	8	F1807	A3_WDOGCNT	V	n/a			none	none
342 CURVE	0	16	F1808	A3_MEMCHKSS	V	n/a			F0174	none
344 CURVE	0	16	F1809	A3_MEMCHKSO	V	n/a			F0174	none
346 CURVE	0	16	F1810	A3_MEMCHKL	V	n/a			F0174	none
348 CURVE	0	16	F1811	A3_MEMCHK	V	n/a			F0174	none
350 CURVE	0	16	F1812	A3_RAMCHKSS	V	n/a			F0175	none
352 CURVE	0	16	F1813	A3_RAMCHKSO	V	n/a			F0175	none
354 CURVE	0	16	F1814	A3_RAMCHKL	V	n/a			F0175	none
356 CURVE	0	16	F1815	A3_CMLOTH0	V	n/a			F0109	none
358 CURVE	0	16	F1816	A3_CMLOTH1	V	n/a			F0109	none
360 CURVE	0	16	F1817	A3_CMLOTH2	V	n/a			F0109	none
362 CURVE	0	8	F1818	A3_MIPREJ0	V	n/a			none	none
363 CURVE	0	8	F1819	A3_MIPREJ1	V	n/a			none	none
364 CURVE	0	8	F1820	A3_MIPREJ2	V	n/a			none	none
365 CURVE	0	8	F1821	A3_LCHIP	V	n/a	0	2	F0118	none
366 CURVE	0	8	F1822	A3_LLINE	V	n/a	0	199	F0118	none

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367	0	8	F1823	A3_UCHIP	V	n/a	0	2	F0118	none
CURVE										
368	0	8	F1824	A3_ULINE	V	n/a	0	199	F0118	none
CURVE										
369	0	16	F1825	A3_CMCORR	V	n/a			F0108	none
CURVE										
371	0	16	F1826	A3_CMDEVL	V	n/a			F0110	none
CURVE										
373	0	16	F1827	A3_CMDEVH	V	n/a			F0110	none
CURVE										
375	0	4	F1828	A3_CMLINEPixSet	V	n/a	0	1	F0120	none
RAW MEANING										
0	Good									
1	Bad									
375	4	4	F1829	A3_CMLINE CCD	V	n/a	0	2	F0120	none
CURVE										
376	0	8	F1830	A3_CMLINE Numb	V	n/a	0	199	F0120	none
CURVE										
377	0	4	F1831	A3_CMCOL PixSet	V	n/a	0	1	F0121	none
RAW MEANING										
0	Good									
1	Bad									
377	4	4	F1832	A3_CMCOL CCD	V	n/a	0	2	F0121	none
CURVE										
378	0	8	F1833	A3_CMCOL Numb	V	n/a	0	63	F0121	none
CURVE										
379	0	8	F1834	A3_CHOP	V	n/a	0	31	F0111	none
CURVE										
380	0	8	F1835	A3_SENDDMODE	V	n/a	16	18	F0116	none
RAW MEANING										
16	MIP correc.1									
17	MIP correc.2									
18	No MIP corr.									
381	0	8	F1836	A3_EAMIPSEL	V	n/a	0	100	F0117	none
CURVE										
382	0	16	F1837	A3_COUNT	V	n/a			F0074	none
CURVE										
384	0	8	F1838	A3_MAXFRC	V	n/a			F0176	none
CURVE										
385	0	8	F1839	A3_RDMODE	V	n/a	32	36	F0114	none
RAW MEANING										
32	Full Frame									
33	Small Window									
34	Large Window									
35	Timing									
36	Burst									
386	0	16	F1840	A3_SSEG	V	n/a			none	none
CURVE										
388	0	16	F1841	A3_DSEG	V	n/a			none	none
CURVE										

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390	0	16	F1879	A3 MIP Threshold	V	n/a			F0195	none
CURVE										
392	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
396	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
396	1	1	F1842	A3L RecData Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	2	1	F1843	A3L Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	3	1	F1844	A3L ACKTimeO ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	4	1	F1845	A3L ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
396	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
397	0	8	F1846	A3L NegACKErCod	V	n/a			none	none
RAW MEANING										
398	0	8	F1847	E C3_UAMOS_H	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.14315)$										
399	0	8	F1848	E C3_UAMOS_L	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.14315)$										
400	0	8	F1849	E C3_UPHI_H	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.14342)$										
401	0	8	F1850	E C3_UPHI_L	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.14262)$										
402	0	8	F1851	E C3_UFLSH_H	V	V			F0158	none
CURVE $ENG(V) = RAW*0.06827$										
403	0	8	F1852	E C3_UFLSH_L	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.10271)$										
404	0	8	F1853	E C3_RFGA_H	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.06684)$										
405	0	8	F1854	E C3_RFGA_L	V	V			F0158	none
CURVE $ENG(V) = RAW*(-0.0667)$										
406	0	8	F1855	E C3_U+BIAS	V	V			none	none
CURVE $ENG(V) = RAW*(0.06683)$										
407	0	8	F1856	E C3_U-BIAS	V	V			none	none
CURVE $ENG(V) = RAW*(-0.12831)$										
408	0	8	F1857	E C3_UCMXVDD	V	V			none	none
CURVE $ENG(V) = RAW*0.03229$										

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409	0	8	F1858	E C3_UCMXVSS	V	V			none	none
CURVE	ENG (V) = RAW*(-0.03221)									
410	0	8	F1859	E C3_U+15	V	V			none	none
CURVE	ENG (V) = RAW*0.10667									
411	0	8	F1860	E C3_U-15	V	V			none	none
CURVE	ENG (V) = RAW*(-0.10667)									
412	0	8	F1861	E C3_U-35	V	V			none	none
CURVE	ENG (V) = RAW*(-0.23567)									
413	0	8	F1862	E C3_UVDD	V	V			none	none
CURVE	ENG (V) = RAW*0.03548									
414	0	8	F1863	E C3_UVDDA	V	V			none	none
CURVE	ENG (V) = RAW*0.04281									
415	0	8	F1864	E C3_UVSSA	V	V			none	none
CURVE	ENG (V) = RAW*(-0.04281)									
416	0	8	F1865	E C3_UDGND	V	V			none	none
CURVE	ENG (V) = RAW*0.01954-2.5									
417	0	8	F1866	E C3_IVDDA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
418	0	8	F1867	E C3_I+15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.24242-4.3									
419	0	8	F1868	E C3_I-15	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23256-4.651									
420	0	8	F1869	E C3_IVDD_D	V	mA			none	none
CURVE	ENG (mA) = RAW*0.03067									
421	0	8	F1870	E C3_IIS	V	n/a			none	none
CURVE	ENG (microA) = RAW*0.34843-44.5993									
422	0	8	F1871	E C3_IGRA0	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.16279-151.163									
423	0	8	F1872	E C3_IGRA1	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15607-150.289									
424	0	8	F1873	E C3_IGRA2	V	n/a			none	none
CURVE	ENG (microA) = RAW*1.15942-150.145									
425	0	8	F1874	E C3_TEMPEA1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
426	0	8	F1875	E C3_TEMPEA2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63934-273									
427	0	8	F1876	E C3_TEMPQB1	V	degC			none	none
CURVE	ENG (°C) = RAW*1.62162-273									
428	0	8	F1877	E C3_TEMPQB2	V	degC			none	none
CURVE	ENG (°C) = RAW*1.63043-273									
429	0	8	F1878	E C3_I-35	V	mA			none	none
CURVE	ENG (mA) = RAW*0.23809-11.547									
430	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

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434	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
438	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50003	1792	SuccessfulCommandAcc	3	1	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0331

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
------	-----	-------	------	------	-----	------	-------	--------	--------	----	-----	------

CURVE

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50004	1792	UnsComAc-IllegalAPID	3	2	N/A	N/A	N/A	N/A	0

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0000

Bit	Width	Name	F/V	Value
0	8	Error Code	F	0
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50005	1792	UnsComEx-GenericErr	3	4	N/A	N/A	N/A	N/A	130

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 82//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	130

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50006	1792	Initialization Log	4	1	0	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	8	SID	F	0
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2057	MasterInitRepBit	V	n/a	0	0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
18	0	16	F2058	MasInRepSPROMerc	V	n/a					none	none
CURVE												
20	0	16	F2059	MastInRepPROCrc	V	n/a					none	none
CURVE												
22	0	16	F2060	MastInRepRAMrslt	V	n/a	0	0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
24	0	16	F2061	MasInReFaultPGnm	V	n/a					none	none
CURVE												
26	0	16	F2062	MasInReFaultPGof	V	n/a					none	none
CURVE												
28	0	16	F2063	MastInitReRAMerc	V	n/a					none	none
CURVE												
30	0	16	F2064	ResPerProcLoadin	V	n/a	0	0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											

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32	0	16	FIX	Filler	F	n/a	0				
CURVE											
34	0	16	F2065	InitprFirstssbUn	V	n/a	0	0	1	none	none
RAW MEANING											
0	Valid										
1	Not Valid										
36	0	16	F2066	EPCE HK DataFlag	V	n/a	0	0	1	none	none
RAW MEANING											
0	Valid										
1	Not Valid										
38	0	16	F1053	C CE_SEC CNT	V	n/a		0	65535	none	none
CURVE											
40	0	8	F1054	C CE_ERR CNT	V	n/a		0	255	F0078	none
CURVE											
41	0	8	F1055	C CE_LASTERR	V	n/a		0	255	F0078	none
RAW MEANING											
42	0	8	F1056	C CE_CMD CNT	V	n/a		0	255	none	none
CURVE											
43	0	8	F1057	C CE_CMD REJ	V	n/a		0	255	F0078	none
CURVE											
44	0	8	F1906	Spare 1 byte	V	n/a		0	255	none	none
CURVE											
45	0	8	F1059	C CE_OVRRUNS	V	n/a		0	255	none	none
CURVE											
46	0	16	F1060	C CE_BYTEREC	V	n/a		0	65535	none	none
CURVE											
48	0	16	F1061	C CE_BYTESND	V	n/a		0	65535	none	none
CURVE											
50	0	8	F1062	C CE_CMD CNTR	V	n/a		0	255	none	none
CURVE											
51	0	1	F1063	CErrSIF MasterST	V	n/a		0	1	F0078	none
RAW MEANING											
0	Ready										
1	Not Ready										
51	1	1	F1064	CErr EPCE ADC ST	V	n/a		0	1	F0078	none
RAW MEANING											
0	Ready										
1	Not Ready										
51	2	1	F1065	CErr UART InpuST	V	n/a		0	1	F0078	none
RAW MEANING											
0	No Overrun										
1	Overrun										
51	3	1	F1066	CErr EPVC ADC ST	V	n/a		0	1	F0078	none
RAW MEANING											
0	Ready										
1	Not Ready										
51	4	1	F1067	CErrIlgCPUInterr	V	n/a		0	1	F0078	none
RAW MEANING											
0	Not Received										
1	Received										
51	5	1	F1068	C Err RAM Check	V	n/a		0	1	F0179	none
RAW MEANING											
0	Not Occured										

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1	Occurred											
51	6	1	F1058	C FWTH ADC Stat	V	n/a	0	1	F0078	none		
RAW MEANING												
0	Ready											
1	Not Ready											
51	7	1	F1475	C TimSignMissing	V	n/a	0	1	F0078	none		
RAW MEANING												
0	No Missing											
1	Missing											
52	0	8	F1069	C CE_TEMP_CPU	V	degC				none	none	
CURVE ENG (°C) = RAW*1.73-270												
53	0	8	F1070	C CE_TEMP_BOX	V	degC				none	none	
CURVE ENG (°C) = RAW*1.73-270												
54	0	8	F1071	C CE_WBOOTS	V	n/a	0	255	F0078	none		
CURVE												
55	0	8	F1072	C CE_INTCNT	V	n/a	0	255	none	none		
CURVE												
56	0	8	F1073	C CE_WDOG_CNT	V	n/a	0	255	F0078	none		
CURVE												
57	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
57	4	1	F1074	C CE_QUADSEL #3	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
57	5	1	F1075	C CE_QUADSEL #2	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
57	6	1	F1076	C CE_QUADSEL #1	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
57	7	1	F1077	C CE_QUADSEL #0	V	n/a	0	1	F0092	none		
RAW MEANING												
0	Not Selected											
1	Selected											
58	0	1	F1078	C EPCE Active	V	n/a	0	1	none	none		
RAW MEANING												
0	Nominal											
1	Redundant											
58	1	1	F1079	C EPCE Mode	V	n/a	0	1	F0083	none		
RAW MEANING												
0	Nominal											
1	Debug											
58	2	1	F1080	C EPCEMemoModify	V	n/a	0	1	F0091	X5001		
RAW MEANING												
0	One time											
1	Continuously											
58	3	1	F1081	C EPCEMemModAuto	V	n/a	0	1	F0091	none		
RAW MEANING												
0	Off											
1	On											
58	4	1	F1082	CCEB/CEWPUT VeRe	V	n/a	0	1	none	none		
RAW MEANING												
0	Passed											
1	Failed											

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58	5	1	F1083	CCEB/CEWPUT VeSt	V	n/a	0	1	F0091	none
RAW MEANING										
0	Enabled									
1	Disabled									
58	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
58	7	1	F1476	CEMEMCHK active	V	n/a	0	1	F0065	none
RAW MEANING										
0	Not Active									
1	Active									
59	0	1	F1084	C FWGOTO Status	V	n/a	0	1	F0129	none
RAW MEANING										
0	Not Active									
1	Active									
59	1	1	F1085	C FWCAL Status	V	n/a	0	1	F0130	none
RAW MEANING										
0	Not Active									
1	Active									
59	2	1	F1086	CCERAMCHK Status	V	n/a	0	1	F0179	none
RAW MEANING										
0	Not Active									
1	Active									
59	3	1	F1087	C MemUplinkStatus	V	n/a	0	1	F0082	none
RAW MEANING										
0	Not Active									
1	Active									
59	4	1	F1088	CCEIntVecMemTest	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	5	1	F1089	C CEMemBank2Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	6	1	F1090	C CEMemBank1Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	7	1	F1091	C CEMemBank0Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
60	0	16	F1092	C CE_MSG	V	n/a	0	65535	F0079	none
CURVE										
62	0	16	F1093	C CE_ADDRS	V	n/a	0	65535	F0088	none
CURVE										
64	0	16	F1094	C CE_ADDRO	V	n/a	0	65535	F0088	none
CURVE										
66	0	16	F1095	C CE_DATA	V	n/a	0	65535	F0088	none
CURVE										
68	0	16	F1096	C CE_MEMCHKSS	V	n/a	0	65535	F0065	none
CURVE										
70	0	16	F1097	C CE_MEMCHKSO	V	n/a	0	65535	F0065	none
CURVE										
72	0	16	F1098	C CE_MEMCHKLEN	V	n/a	0	65535	F0065	none
CURVE										

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74	0	16	F1099	C CE_MEMCHKSUM	V	n/a	0	65535	F0065	none
CURVE										
76	0	16	F1100	C CE_RAMCHKSS	V	n/a			F0179	none
CURVE										
78	0	16	F1101	C CE_RAMCHKSO	V	n/a	0	65535	F0179	none
CURVE										
80	0	16	F1102	C CE_RAMCHKLEN	V	n/a	0	65535	F0179	none
CURVE										
82	0	4	F1103	C CE_DCREG slave	V	n/a	0	7	F0194	none
CURVE										
82	4	4	F1204	C CE_DCREGmaster	V	n/a	0	7	F0194	none
CURVE										
83	0	16	F1104	C CE_DCCMD	V	n/a	0	65535	F0194	none
CURVE										
85	0	8	F1105	C CE_DCSTAT	V	n/a	0	65535	F0194	none
CURVE										
86	0	16	F1106	C CE_DCDAATA	V	n/a	0	65535	F0194	none
CURVE										
88	0	8	F1107	C CE_LASTCMD	V	n/a	0	255	none	none
RAW MEANING										
89	0	16	F1108	C CE_MUPL_S	V	n/a	0	65535	F0082	none
CURVE										
91	0	16	F1109	C CE_MUPL_O	V	n/a	0	65535	F0082	none
CURVE										
93	0	8	F1110	C CE_MUPL_L	V	n/a	0	232	F0082	none
CURVE										
94	0	1	F1111	H FW Moving Mode	V	n/a	0	1	F0126	none
RAW MEANING										
0	Emergency									
1	Normal									
94	1	1	F1112	HFW Moving Direc	V	n/a	0	1	F0125	none
RAW MEANING										
0	Up									
1	Down									
94	2	1	F1113	H FW Stop Sensor	V	n/a	0	1	F0190	none
RAW MEANING										
0	Enabled									
1	Disabled									
94	3	11	F1114	HFW TimeOut Step	V	n/a	0	1599	F0123	none
CURVE										
95	6	1	F1115	HFW Moving Speed	V	n/a	0	1	F0188	none
RAW MEANING										
0	Slow									
1	Fast									
95	7	1	F1116	H FW TimeOutStop	V	n/a	0	1	F0189	none
RAW MEANING										
0	Disabled									
1	Enabled									
96	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										

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96	3	1	F1117	H FW PW Pos&Temp	V	n/a	0	1	F0127	none
RAW MEANING										
0	Off									
1	On									
96	4	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
97	2	3	F1118	H FW PosSensorST	V	n/a	0	7	F0129	X5020
RAW MEANING										
0	Open									
1	Filter D									
2	Filter C									
3	Filter B									
4	Filter A									
5	Close									
7	No Stop Pos.									
97	5	1	F1119	HFW Motor Status	V	n/a	0	1	F0124	none
RAW MEANING										
0	Stopped									
1	Running									
97	6	1	F1120	HFW StopPosition	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
97	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
98	0	16	F1122	H CE_FWSPOT	V	n/a	0	359,9	none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8547) + 417.094$										
100	0	16	F1123	H CE_FWTEMP1	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
102	0	16	F1124	H CE_FWTEMP2	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
104	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
105	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
105	4	1	F1125	HFW DecontHeaLtc	V	n/a	0	1	none	none
RAW MEANING										
0	ON									
1	OFF									
105	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
106	0	16	F1127	H CE_TTMPFPC	V	degC			none	none
CURVE $ENG (^{\circ}C) = RAW * (-0.7303) + 129.6629$										

EPCS TM PACKETS

108	0	16	F1128	H CE_TTMPFPF	V	degC			none	none
CURVE ENG (°C) = RAW*(-0.07421)-91.2987										
110	0	16	F1129	H CE_TTMPS	V	degC			none	none
CURVE ENG (°C) = RAW*(-0.7303)+129.6629										
112	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
113	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
113	5	1	F1130	H HOP PW Sensor	V	n/a	0	1	F0191	none
RAW MEANING										
0 Off										
1 On										
113	6	1	F1131	H HOP Retracted	V	n/a	0	1	none	X5000
RAW MEANING										
0 Retracted										
1 NotRetracted										
113	7	1	F1132	HHOP Door Status	V	n/a	0	1	F0044	X5000
RAW MEANING										
0 Open										
1 Closed										
114	0	8	F1133	C CE_U+5D	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.045										
115	0	8	F1134	C CE_U+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.044										
116	0	8	F1135	C CE_U-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.13)										
117	0	8	F1136	C CE_UDGND	V	V	-0,5	0,5	none	none
CURVE ENG (V) = RAW*0.01954-2.5										
118	0	8	F1137	C CE_CU+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.036										
119	0	8	F1138	C CE_CU-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.0711)										
120	0	1	F1139	C ErA0 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0 Ready										
1 Not Ready										
120	1	1	F1140	CErA0 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0 No Error										
1 Error										

EPCS TM PACKETS

120	2	1	F1141	C ErA0 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	3	1	F1142	CErA0 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	4	1	F1143	CErA0 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
121	0	8	F1144	C ErA0 NegACKCod	V	n/a			F0078	none
RAW MEANING										
122	0	1	F1145	C ErA1 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
122	1	1	F1146	CErA1 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	2	1	F1147	C ErA1 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	3	1	F1148	CErA1 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	4	1	F1149	CErA1 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
123	0	8	F1150	C ErA1 NegACKCod	V	n/a			F0078	none
RAW MEANING										
124	0	1	F1151	C ErA2 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
124	1	1	F1152	CErA2 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	2	1	F1153	C ErA2 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	3	1	F1154	CErA2 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	4	1	F1155	CErA2 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									

EPCS TM PACKETS

124	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
125	0	8	F1156	C ErA2 NegACKCod	V	n/a			F0078	none
RAW MEANING										
126	0	1	F1157	C ErA3 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
126	1	1	F1158	CErA3 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	2	1	F1159	C ErA3 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	3	1	F1160	CErA3 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	4	1	F1161	CErA3 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
127	0	8	F1162	C ErA3 NegACKCod	V	n/a			F0078	none
RAW MEANING										
128	0	16	F1163	C CE_IOADDR	V	n/a	0	65535	F0088	none
CURVE										
130	0	16	F1164	C CE_IODATA	V	n/a	0	65535	F0088	none
CURVE										
132	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
132	1	1	F1165	C RecTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	2	1	F1477	C RecHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	3	1	F1478	C TransComShowin	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	4	1	F1479	C TraTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	5	1	F1480	C TranHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	6	1	F1481	C ReceivCommShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									

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132	7	1	F1482	C HexComDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
133	0	16	F1166	C CE_SSEG	V	n/a	0	65535	none	none
CURVE										
135	0	16	F1167	C CE_DSEG	V	n/a	0	65535	none	none
CURVE										
137	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
138	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
138	2	1	F1168	VCurrentMeasCoSw	V	n/a	0	1	F0142	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	3	1	F1169	VConvSync Switch	V	n/a	0	1	F0143	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	4	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
139	0	1	F1170	VAcSTSwitchThPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	1	1	F1171	VAcSTSwitchThPW1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	2	1	F1172	V AcSTSwitchFW	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	3	1	F1173	V AcSTSwitchHT	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	4	1	F1174	V AcSTSwitchQua3	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	5	1	F1175	V AcSTSwitchQua2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	6	1	F1176	V AcSTSwitchQua1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	7	1	F1177	V AcSTSwitchQua0	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	0	1	F1178	V SwitchThermPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	1	1	F1179	V SwitchThermPW1	V	n/a	0	1	none	none
RAW MEANING										

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0	Off											
1	On											
140	2	1	F1180	V Switch FW	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	3	1	F1181	V Switch HT	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	4	1	F1182	V Switch Qua3	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	5	1	F1183	V Switch Qua2	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	6	1	F1184	V Switch Qua1	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	7	1	F1185	V Switch Qua0	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
141	0	8	F1186	V VC_TEMP1	V	degC				none	none	
CURVE ENG (°C) = RAW*1.73-270												
142	0	8	F1187	V VC_TEMP2	V	V				none	none	
CURVE ENG (°C) = RAW*1.73-270												
143	0	8	F1188	V VC_IMAIN	V	mA				none	X5006	
CURVE ENG (mA) = RAW*3.617												
144	0	8	F1189	V VC_IQ0	V	mA				none	X5006	
CURVE ENG (mA) = RAW*4.0												
145	0	8	F1190	V VC_IQ1	V	mA				none	X5006	
CURVE ENG (mA) = RAW*3.777												
146	0	8	F1191	V VC_IQ2	V	mA				none	X5006	
CURVE ENG (mA) = RAW*3.273												
147	0	8	F1192	V VC_IQ3	V	mA				none	X5006	
CURVE ENG (mA) = RAW*3.491												
148	0	8	F1193	V VC_IHT	V	mA				none	X5006	
CURVE ENG (mA) = RAW*5.74+42.778												
149	0	8	F1194	V VC_HV0CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
150	0	8	F1195	V VC_HV1CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
151	0	8	F1196	V VC_HV2CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
152	0	8	F1197	V VC_HV3CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												

EPCS TM PACKETS

153	0	16	F1198	V VC_UHV0	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
155	0	16	F1199	V VC_UHV1	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
157	0	16	F1200	V VC_UHV2	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
159	0	16	F1201	V VC_UHV3	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
161	0	8	F1202	V VC_HTCTRL	V	n/a	0	255	F0141	none
CURVE										
162	0	16	F1203	V VC_UHT	V	V	0	40	F0141	none
CURVE ENG (V) = RAW*(-0.10756)+54.532										
164	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
165	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
165	3	1	F1205	EQUCH0 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	4	1	F1206	EQUCH0 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	5	1	F1207	EQUCH0 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	6	1	F1208	EQUCH0 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
166	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
166	3	1	F1209	EQUCH1 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	4	1	F1210	EQUCH1 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	5	1	F1211	EQUCH1 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	6	1	F1212	EQUCH1 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

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167	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
167	3	1	F1213	EQUCH2 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	4	1	F1214	EQUCH2 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	5	1	F1215	EQUCH2 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	6	1	F1216	EQUCH2 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
168	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
168	3	1	F1217	EQUCH3 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	4	1	F1218	EQUCH3 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	5	1	F1219	EQUCH3 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	6	1	F1220	EQUCH3 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	0	1	F1221	ECACH0 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
169	1	1	F1222	ECACH0 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	2	1	F1223	ECACH0 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	3	1	F1224	ECACH0 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	5	1	F1225	ECACH0 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										

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0	Low											
1	High											
169	6	1	F1226	ECACH0 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
169	7	1	F1227	ECACH0 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	0	1	F1228	ECACH1 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
170	1	1	F1229	ECACH1 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	2	1	F1230	ECACH1 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	3	1	F1231	ECACH1 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
170	5	1	F1232	ECACH1 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	6	1	F1233	ECACH1 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	7	1	F1234	ECACH1 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
171	0	1	F1235	ECACH2 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
171	1	1	F1236	ECACH2 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	2	1	F1237	ECACH2 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	3	1	F1238	ECACH2 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
171	5	1	F1239	ECACH2 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											

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171	6	1	F1240	ECACH2 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
171	7	1	F1241	ECACH2 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	0	1	F1242	E CACH3 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
172	1	1	F1243	ECACH3 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	2	1	F1244	ECACH3 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	3	1	F1245	ECACH3 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
172	5	1	F1246	ECACH3 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	6	1	F1247	ECACH3 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	7	1	F1248	ECACH3 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
173	0	8	F1249	E C0_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
174	0	8	F1250	E C1_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
175	0	8	F1251	E C2_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05825)										
176	0	8	F1252	E C3_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
177	0	16	F1253	E C0_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
179	0	16	F1254	E C1_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
181	0	16	F1255	E C2_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
183	0	16	F1256	E C3_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
185	0	8	F1257	E C0_IVSSA	V	mA			none	none
CURVE ENG (mA) = RAW*0.29851										

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186	0	8	F1258	E C1_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
187	0	8	F1259	E C2_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
188	0	8	F1260	E C3_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
189	0	8	F1261	E C0_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
190	0	8	F1262	E C1_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
191	0	8	F1263	E C2_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
192	0	8	F1264	E C3_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
193	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
194	0	16	F1265	H OH_CTRL	V	n/a			F0132	none
CURVE										
196	0	16	F1266	H OH_STAT	V	n/a			F0133	none
CURVE										
198	0	16	F1267	H OH_TEMP	V	n/a			F0131	none
CURVE										
200	0	16	F1268	H DH_CTRL	V	n/a			F0135	none
CURVE										
202	0	16	F1269	H DH_STAT	V	n/a			F0136	none
CURVE										
204	0	16	F1270	H DH_TEMP	V	n/a			F0134	none
CURVE										
206	0	8	F1271	V VC_IFW	V	mA			none	X5006
CURVE	ENG (mA) = RAW*4.082									
207	0	8	F1272	V VC_IT	V	mA			none	X5006
CURVE	ENG (mA) = RAW*6.818									
208	0	8	F1273	C CE_ERR1	V	n/a			F0078	none
RAW MEANING										
209	0	8	F1274	C CE_ERR2	V	n/a			F0078	none
RAW MEANING										
210	0	8	F1275	C CE_ERR3	V	n/a			F0078	none
RAW MEANING										
211	0	8	F1276	C CE_ERR4	V	n/a			F0078	none
RAW MEANING										
212	0	8	F1277	C CE_ERR5	V	n/a			F0078	none
RAW MEANING										

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213	0	8	F1278	C CE_ERR6	V	n/a		F0078	none
RAW MEANING									
214	0	8	F1279	C CE_ERR7	V	n/a		F0078	none
RAW MEANING									
215	0	8	F1280	C CE_ERR8	V	n/a		F0078	none
RAW MEANING									
216	0	8	F1281	C CE_ERR9	V	n/a		F0078	none
RAW MEANING									
217	0	8	F1282	C CE_ERR10	V	n/a		F0078	none
RAW MEANING									
218	0	8	F1283	C CE_ERR11	V	n/a		F0078	none
RAW MEANING									
219	0	8	F1284	C CE_ERR12	V	n/a		F0078	none
RAW MEANING									
220	0	8	F1285	C CE_ERR13	V	n/a		F0078	none
RAW MEANING									
221	0	8	F1286	C CE_ERR14	V	n/a		F0078	none
RAW MEANING									
222	0	8	F1287	C CE_ERR15	V	n/a		F0078	none
RAW MEANING									
223	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none none
CURVE									
227	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none none
CURVE									
231	0	6	F1909	Spare 6 bits	V	n/a	0	63	none none
CURVE									
231	6	1	F1288	C MasterSeqClock	V	n/a	0	1	F0093 none
RAW MEANING									
0	Disabled								
1	Enabled								
231	7	1	F1289	C Select ReadQua	V	n/a	0	1	F0093 none
RAW MEANING									
0	Parallel								
1	Sequential								
232	0	1	F1290	CMS QuaSelected3	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	1	1	F1291	CMS QuaSelected2	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	2	1	F1292	CMS QuaSelected1	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	3	1	F1293	CMS QuaSelected0	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	4	4	F1294	CMS TimIntReaQua	V	n/a		F0093	none
CURVE									

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233	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
237	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
239	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
239	6	1	F1295	A0 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
239	7	1	F1296	A0 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
240	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	1	1	F1297	A0 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
240	2	1	F1298	A0 Memory Modify	V	n/a	0	1	F0183	X5002
RAW MEANING										
0	One time									
1	Continuously									
240	3	1	F1299	A0 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
240	4	1	F1300	A0 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
240	5	1	F1301	A0 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
240	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	7	1	F1334	A0 MEMCHK active	V	n/a	0	1	F0068	none
RAW MEANING										
0	Not Active									
1	Active									
241	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
241	2	1	F1302	A0 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
241	3	1	F1303	A0 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
241	4	1	F1304	A0 IntVecMemTest	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
241	5	1	F1305	A0 MemBank2Test	V	n/a	0	1	none	X5016
RAW MEANING										

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0	Passed											
1	Failed											
241	6	1	F1306	A0 MemBank1Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
241	7	1	F1307	A0 MemBank0Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
242	0	8	F1308	A0_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
243	0	8	F1309	A0_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
244	0	8	F1310	A0_LASTERR	V	n/a			F0103	none		
RAW MEANING												
245	0	8	F1311	A0_CMDCNT	V	n/a	0	255	none	none		
CURVE												
246	0	8	F1312	A0_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
247	0	8	F1313	A0_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
248	0	16	F1315	A0_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
250	0	16	F1316	A0_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
252	0	16	F1317	A0_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
254	0	16	F1318	A0_DATA	V	n/a	0	65535	F0099	none		
CURVE												
256	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none		
CURVE												
256	5	1	F1484	A0 CCD 2 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	6	1	F1483	A0 CCD 1 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	7	1	F1319	A0 CCD 0 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
257	0	16	F1320	A0_SECCNT	V	n/a	0	65535	none	none		
CURVE												
259	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
259	4	1	F1321	A0 IllgCPUInterr	V	n/a	0	1	F0103	none		
RAW MEANING												
0	Not Received											
1	Received											

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259	5	1	F1322	A0 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
259	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
260	0	8	F1323	A0_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
261	0	16	F1324	A0_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
263	0	16	F1325	A0_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
265	0	8	F1326	A0_MUPLL	V	n/a	0	232	F0094	none
CURVE										
266	0	16	F1327	A0_ATHRC	V	n/a	0	65535	none	none
CURVE										
268	0	16	F1328	A0_FIFRC	V	n/a	0	65535	none	none
CURVE										
270	0	16	F1329	A0_EPDHC	V	n/a	0	65535	none	none
CURVE										
272	0	16	F1330	A0_DSLINC	V	n/a	0	65535	none	none
CURVE										
274	0	16	F1331	A0_MCM	V	n/a	0	4095	none	none
CURVE										
276	0	16	F1332	A0_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
278	0	16	F1333	A0_IODATA	V	n/a	0	65535	F0099	none
CURVE										
280	0	8	F1314	A0_LASTCMD	V	n/a			none	none
RAW MEANING										
281	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
283	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
284	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
284	1	1	F1335	A0H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	2	1	F1336	A0H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	3	1	F1337	A0H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									

EPCS TM PACKETS

1	Error										
284	4	1	F1338	A0H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
284	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
285	0	8	F1339	A0H NegACKErCod	V	n/a			none	none	
RAW MEANING											
286	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
287	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none	
CURVE											
287	6	1	F1340	A1 CPU MedianCor	V	n/a	0	1	F0122	none	
RAW MEANING											
0	ON										
1	OFF										
287	7	1	F1341	A1 CPU PMODE	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Idle										
1	Send										
288	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	1	1	F1342	A1 EPEA mode	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Nominal										
1	Debug										
288	2	1	F1343	A1 Memory Modify	V	n/a	0	1	F0183	X5003	
RAW MEANING											
0	One time										
1	Continuously										
288	3	1	F1344	A1 Memo Mod Auto	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Off										
1	On										
288	4	1	F1345	A1 EAB/EAWPUTVeR	V	n/a	0	1	none	none	
RAW MEANING											
0	Passed										
1	Failed										
288	5	1	F1346	A1 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Enabled										
1	Disabled										
288	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	7	1	F1379	A1 MEMCHK active	V	n/a	0	1	F0170	none	
RAW MEANING											
0	Not Active										
1	Active										
289	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
289	2	1	F1347	A1 EARAMCHK Stat	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
289	3	1	F1348	A1 MemUplinkStat	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										

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1	Active										
289	4	1	F1349	A1 IntVecMemTest	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	5	1	F1350	A1 MemBank2Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	6	1	F1351	A1 MemBank1Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	7	1	F1352	A1 MemBank0Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
290	0	8	F1353	A1_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
291	0	8	F1354	A1_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
292	0	8	F1355	A1_LASTERR	V	n/a			F0103	none	
RAW MEANING											
293	0	8	F1356	A1_CMDCNT	V	n/a	0	255	none	none	
CURVE											
294	0	8	F1357	A1_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
295	0	8	F1358	A1_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
296	0	16	F1360	A1_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
298	0	16	F1361	A1_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
300	0	16	F1362	A1_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
302	0	16	F1363	A1_DATA	V	n/a	0	65535	F0099	none	
CURVE											
304	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none	
CURVE											
304	5	1	F1486	A1 CCD 2 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	6	1	F1485	A1 CCD 1 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	7	1	F1364	A1 CCD 0 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
305	0	16	F1365	A1_SECCNT	V	n/a	0	65535	none	none	
CURVE											

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307	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
307	4	1	F1366	A1 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
307	5	1	F1367	A1 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
307	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
308	0	8	F1368	A1_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
309	0	16	F1369	A1_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
311	0	16	F1370	A1_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
313	0	8	F1371	A1_MUPLL	V	n/a	0	232	F0094	none
CURVE										
314	0	16	F1372	A1_ATHRC	V	n/a	0	65535	none	none
CURVE										
316	0	16	F1373	A1_FIFRC	V	n/a	0	65535	none	none
CURVE										
318	0	16	F1374	A1_EPDHC	V	n/a	0	65535	none	none
CURVE										
320	0	16	F1375	A1_DSLINC	V	n/a	0	65535	none	none
CURVE										
322	0	16	F1376	A1_MCM	V	n/a	0	4095	none	none
CURVE										
324	0	16	F1377	A1_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
326	0	16	F1378	A1_IODATA	V	n/a	0	65535	F0099	none
CURVE										
328	0	8	F1359	A1_LASTCMD	V	n/a			none	none
RAW MEANING										
329	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
331	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
332	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
332	1	1	F1380	A1H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

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332	2	1	F1381	A1H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	3	1	F1382	A1H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	4	1	F1383	A1H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
333	0	8	F1384	A1H NegACKErCod	V	n/a			none	none
RAW MEANING										
334	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
338	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
339	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
339	6	1	F1385	A2 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
339	7	1	F1386	A2 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
340	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	1	1	F1387	A2 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
340	2	1	F1388	A2 Memory Modify	V	n/a	0	1	F0183	X5004
RAW MEANING										
0	One time									
1	Continuously									
340	3	1	F1389	A2 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
340	4	1	F1390	A2 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
340	5	1	F1391	A2 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
340	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	7	1	F1424	A2 MEMCHK active	V	n/a	0	1	F0172	none
RAW MEANING										
0	Not Active									
1	Active									

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341	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
341	2	1	F1392	A2 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
341	3	1	F1393	A2 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
341	4	1	F1394	A2 IntVecMemTest	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	5	1	F1395	A2 MemBank2Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	6	1	F1396	A2 MemBank1Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	7	1	F1397	A2 MemBank0Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
342	0	8	F1398	A2_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
343	0	8	F1399	A2_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
344	0	8	F1400	A2_LASTERR	V	n/a			F0103	none
RAW MEANING										
345	0	8	F1401	A2_CMDCNT	V	n/a	0	255	none	none
CURVE										
346	0	8	F1402	A2_CMDCNTR	V	n/a	0	255	none	none
CURVE										
347	0	8	F1403	A2_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
348	0	16	F1405	A2_BYTEREC	V	n/a	0	65535	none	none
CURVE										
350	0	16	F1406	A2_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
352	0	16	F1407	A2_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
354	0	16	F1408	A2_DATA	V	n/a	0	65535	F0099	none
CURVE										
356	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
356	5	1	F1488	A2 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									

EPCS TM PACKETS

356	6	1	F1487	A2 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
356	7	1	F1409	A2 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
357	0	16	F1410	A2_SECCNT	V	n/a	0	65535	none	none
CURVE										
359	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
359	4	1	F1411	A2 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
359	5	1	F1412	A2 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
359	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
360	0	8	F1413	A2_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
361	0	16	F1414	A2_MUPLS	V	n/a	0	65536	F0094	none
CURVE										
363	0	16	F1415	A2_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
365	0	8	F1416	A2_MUPLL	V	n/a	0	232	F0094	none
CURVE										
366	0	16	F1417	A2_ATHRC	V	n/a	0	65535	none	none
CURVE										
368	0	16	F1418	A2_FIFRC	V	n/a	0	65535	none	none
CURVE										
370	0	16	F1419	A2_EPDHC	V	n/a	0	65535	none	none
CURVE										
372	0	16	F1420	A2_DSLINC	V	n/a	0	65535	none	none
CURVE										
374	0	16	F1421	A2_MCM	V	n/a	0	4095	none	none
CURVE										
376	0	16	F1422	A2_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
378	0	16	F1423	A2_IODATA	V	n/a	0	65535	F0099	none
CURVE										
380	0	8	F1404	A2_LASTCMD	V	n/a			none	none
RAW MEANING										
381	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										

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383	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
384	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
384	1	1	F1425	A2H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	2	1	F1426	A2H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	3	1	F1427	A2H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	4	1	F1428	A2H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
385	0	8	F1429	A2H NegACKErCod	V	n/a			none	none
RAW MEANING										
386	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
387	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
387	6	1	F1430	A3 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
387	7	1	F1431	A3 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
388	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
388	1	1	F1432	A3 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
388	2	1	F1433	A3 Memory Modify	V	n/a	0	1	F0183	X5005
RAW MEANING										
0	One time									
1	Continuously									
388	3	1	F1434	A3 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
388	4	1	F1435	A3 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
388	5	1	F1436	A3 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									

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1	Disabled										
388	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
388	7	1	F1469	A3 MEMCHK active	V	n/a	0	1	F0174	none	
RAW MEANING											
0	Not Active										
1	Active										
389	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
389	2	1	F1437	A3 EARAMCHK Sta	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
389	3	1	F1438	A3 MemUplink St	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										
1	Active										
389	4	1	F1439	A3 IntVecMemTest	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	5	1	F1440	A3 MemBank2Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	6	1	F1441	A3 MemBank1Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	7	1	F1442	A3 MemBank0Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
390	0	8	F1443	A3_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
391	0	8	F1444	A3_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
392	0	8	F1445	A3_LASTERR	V	n/a			F0103	none	
RAW MEANING											
393	0	8	F1446	A3_CMDCNT	V	n/a	0	255	none	none	
CURVE											
394	0	8	F1447	A3_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
395	0	8	F1448	A3_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
396	0	16	F1450	A3_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
398	0	16	F1451	A3_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
400	0	16	F1452	A3_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
402	0	16	F1453	A3_DATA	V	n/a	0	65535	F0099	none	
CURVE											

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404	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
404	5	1	F1490	A3 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	6	1	F1489	A3 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	7	1	F1454	A3 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
405	0	16	F1455	A3_SECCNT	V	n/a	0	65535	none	none
CURVE										
407	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
407	4	1	F1456	A3 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
407	5	1	F1457	A3 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
407	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
408	0	8	F1458	A3_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
409	0	16	F1459	A3_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
411	0	16	F1460	A3_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
413	0	8	F1461	A3_MUPLL	V	n/a	0	232	F0094	none
CURVE										
414	0	16	F1462	A3_ATHRC	V	n/a	0	65535	none	none
CURVE										
416	0	16	F1463	A3_FIFRC	V	n/a	0	65535	none	none
CURVE										
418	0	16	F1464	A3_EPDHC	V	n/a	0	65535	none	none
CURVE										
420	0	16	F1465	A3_DSLINC	V	n/a	0	65535	none	none
CURVE										
422	0	16	F1466	A3_MCM	V	n/a	0	4095	none	none
CURVE										
424	0	16	F1467	A3_IOADDR	V	n/a	0	65535	F0099	none
CURVE										

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426	0	16	F1468	A3_IODATA	V	n/a	0	65535	F0099	none
CURVE										
428	0	8	F1449	A3_LASTCMD	V	n/a			none	none
RAW MEANING										
429	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
431	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
432	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
432	1	1	F1470	A3H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	2	1	F1471	A3H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	3	1	F1472	A3H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	4	1	F1473	A3H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
433	0	8	F1474	A3H NegACKErCod	V	n/a			none	none
RAW MEANING										
434	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50007	1792	SuccessfulCommExecut	4	1	16	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 1000

Bit	Width	Name	F/V	Value
0	8	SID	F	16
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2001	TC SequenceCount	V	n/a					none	none
CURVE												

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Appendix M

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50008	1792	FullScientificBuffer	4	1	47	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 2F00

Bit	Width	Name	F/V	Value
0	8	SID	F	47
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2004	HBR Identifier	V	n/a		1	4		none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50009	1792	SuccLoadTaskTCExecut	4	1	18	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 1200

Bit	Width	Name	F/V	Value
0	8	SID	F	18
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0341

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2001	TC SequenceCount	V	n/a					none	none
CURVE												
18	0	16	F2002	TaskProcessIdent	V	n/a					none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50010	1792	ErrorOnEnterDiagMode	4	3	114	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 72//

Bit	Width	Name	F/V	Value
0	8	SID	F	114

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2067	EACMMODEStartLin	V	n/a					none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50011	1792	LBR Protocol Error	4	2	81	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 51//

Bit	Width	Name	F/V	Value
0	8	SID	F	81

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0342

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	F2003	LBRProtocolError	V	n/a		1	250		none	none

- RAW MEANING
- 1 BeginIDnotFF
 - 2 WrongLength
 - 3 UARTRecError
 - 4 WrongParaNum
 - 5 WrongParamet
 - 6 DiffEPEAAckn
 - 8 FailedLCVeri
 - 17 WrongFramCHK
 - 34 Unknown LC
 - 51 Timeout
 - 68 LC rejected
 - 113 EA 0 failed
 - 114 EA 1 failed
 - 115 EA0,1 failed
 - 116 EA 2 failed
 - 117 EA2,0 failed
 - 118 EA2,1 failed
 - 119 EA2,1,0faile
 - 120 EA 3 failed
 - 121 EA3,0 failed
 - 122 EA3,1 failed
 - 123 EA3,1,0faile
 - 124 EA3,2 failed
 - 125 EA3,2,0faile
 - 126 EA3,2,1 faile
 - 127 EA3,2,1,0fai
 - 250 EMDHresponse

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50012	1792	FailedInitialization	4	3	112	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 70//

Bit	Width	Name	F/V	Value
0	8	SID	F	112

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2057	MasterInitRepBit	V	n/a		0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
18	0	16	F2058	MasInRepSPROMerc	V	n/a					none	none
CURVE												
20	0	16	F2059	MastInRepPROCrc	V	n/a					none	none
CURVE												
22	0	16	F2060	MastInRepRAMrslt	V	n/a		0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											
24	0	16	F2061	MasInReFaultPGnm	V	n/a					none	none
CURVE												
26	0	16	F2062	MasInReFaultPGof	V	n/a					none	none
CURVE												
28	0	16	F2063	MastInitReRAMerc	V	n/a					none	none
CURVE												
30	0	16	F2064	ResPerProcLoadin	V	n/a		0	1		none	none
RAW MEANING												
0	Valid											
1	Not Valid											

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32	0	16	FIX	Filler	F	n/a	0				
CURVE											
34	0	16	F2065	InitprFirstssbUn	V	n/a	0	1	none	none	
RAW MEANING											
0	Valid										
1	Not Valid										
36	0	16	F2066	EPCE HK DataFlag	V	n/a	0	1	none	none	
RAW MEANING											
0	Valid										
1	Not Valid										
38	0	16	F1053	C CE_SECCNT	V	n/a	0	65535	none	none	
CURVE											
40	0	8	F1054	C CE_ERRCNT	V	n/a	0	255	F0078	none	
CURVE											
41	0	8	F1055	C CE_LASTERR	V	n/a	0	255	F0078	none	
RAW MEANING											
42	0	8	F1056	C CE_CMDCNT	V	n/a	0	255	none	none	
CURVE											
43	0	8	F1057	C CE_CMDREJ	V	n/a	0	255	F0078	none	
CURVE											
44	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
45	0	8	F1059	C CE_OVRRUNS	V	n/a	0	255	none	none	
CURVE											
46	0	16	F1060	C CE_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
48	0	16	F1061	C CE_BYTESND	V	n/a	0	65535	none	none	
CURVE											
50	0	8	F1062	C CE_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
51	0	1	F1063	CErrSIF MasterST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Ready										
1	Not Ready										
51	1	1	F1064	CErr EPCE ADC ST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Ready										
1	Not Ready										
51	2	1	F1065	CErr UART InpuST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	No Overrun										
1	Overrun										
51	3	1	F1066	CErr EPVC ADC ST	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Ready										
1	Not Ready										
51	4	1	F1067	CErrIlgCPUInterr	V	n/a	0	1	F0078	none	
RAW MEANING											
0	Not Received										
1	Received										
51	5	1	F1068	C Err RAM Check	V	n/a	0	1	F0179	none	
RAW MEANING											
0	Not Occured										
1	Occured										

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51	6	1	F1058	C FWTH ADC Stat	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
51	7	1	F1475	C TimSignMissing	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Missing									
1	Missing									
52	0	8	F1069	C CE_TEMPCPU	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
53	0	8	F1070	C CE_TEMPBOX	V	degC			none	none
CURVE ENG (°C) = RAW*1.73-270										
54	0	8	F1071	C CE_WBOOTS	V	n/a	0	255	F0078	none
CURVE										
55	0	8	F1072	C CE_INTCNT	V	n/a	0	255	none	none
CURVE										
56	0	8	F1073	C CE_WDOGCNT	V	n/a	0	255	F0078	none
CURVE										
57	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
57	4	1	F1074	C CE_QUADSEL #3	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
57	5	1	F1075	C CE_QUADSEL #2	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
57	6	1	F1076	C CE_QUADSEL #1	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
57	7	1	F1077	C CE_QUADSEL #0	V	n/a	0	1	F0092	none
RAW MEANING										
0	Not Selected									
1	Selected									
58	0	1	F1078	C EPCE Active	V	n/a	0	1	none	none
RAW MEANING										
0	Nominal									
1	Redundant									
58	1	1	F1079	C EPCE Mode	V	n/a	0	1	F0083	none
RAW MEANING										
0	Nominal									
1	Debug									
58	2	1	F1080	C EPCEMemoModify	V	n/a	0	1	F0091	X5001
RAW MEANING										
0	One time									
1	Continuously									
58	3	1	F1081	C EPCEMemModAuto	V	n/a	0	1	F0091	none
RAW MEANING										
0	Off									
1	On									
58	4	1	F1082	CCEB/CEWPUT VeRe	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									

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58	5	1	F1083	CCEB/CEWPUT VeSt	V	n/a	0	1	F0091	none
RAW MEANING										
0	Enabled									
1	Disabled									
58	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
58	7	1	F1476	CEMEMCHK active	V	n/a	0	1	F0065	none
RAW MEANING										
0	Not Active									
1	Active									
59	0	1	F1084	C FWGOTO Status	V	n/a	0	1	F0129	none
RAW MEANING										
0	Not Active									
1	Active									
59	1	1	F1085	C FWCAL Status	V	n/a	0	1	F0130	none
RAW MEANING										
0	Not Active									
1	Active									
59	2	1	F1086	CCERAMCHK Status	V	n/a	0	1	F0179	none
RAW MEANING										
0	Not Active									
1	Active									
59	3	1	F1087	C MemUplinkStatus	V	n/a	0	1	F0082	none
RAW MEANING										
0	Not Active									
1	Active									
59	4	1	F1088	CCEIntVecMemTest	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	5	1	F1089	C CEMemBank2Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	6	1	F1090	C CEMemBank1Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
59	7	1	F1091	C CEMemBank0Test	V	n/a	0	1	none	X5015
RAW MEANING										
0	Passed									
1	Failed									
60	0	16	F1092	C CE_MSG	V	n/a	0	65535	F0079	none
CURVE										
62	0	16	F1093	C CE_ADDRS	V	n/a	0	65535	F0088	none
CURVE										
64	0	16	F1094	C CE_ADDRO	V	n/a	0	65535	F0088	none
CURVE										
66	0	16	F1095	C CE_DATA	V	n/a	0	65535	F0088	none
CURVE										
68	0	16	F1096	C CE_MEMCHKSS	V	n/a	0	65535	F0065	none
CURVE										
70	0	16	F1097	C CE_MEMCHKSO	V	n/a	0	65535	F0065	none
CURVE										
72	0	16	F1098	C CE_MEMCHKLEN	V	n/a	0	65535	F0065	none
CURVE										

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74	0	16	F1099	C CE_MEMCHKSUM	V	n/a	0	65535	F0065	none
CURVE										
76	0	16	F1100	C CE_RAMCHKSS	V	n/a			F0179	none
CURVE										
78	0	16	F1101	C CE_RAMCHKSO	V	n/a	0	65535	F0179	none
CURVE										
80	0	16	F1102	C CE_RAMCHKLEN	V	n/a	0	65535	F0179	none
CURVE										
82	0	4	F1103	C CE_DCREG slave	V	n/a	0	7	F0194	none
CURVE										
82	4	4	F1204	C CE_DCREGmaster	V	n/a	0	7	F0194	none
CURVE										
83	0	16	F1104	C CE_DCCMD	V	n/a	0	65535	F0194	none
CURVE										
85	0	8	F1105	C CE_DCSTAT	V	n/a	0	65535	F0194	none
CURVE										
86	0	16	F1106	C CE_DCDAATA	V	n/a	0	65535	F0194	none
CURVE										
88	0	8	F1107	C CE_LASTCMD	V	n/a	0	255	none	none
RAW MEANING										
89	0	16	F1108	C CE_MUPL_S	V	n/a	0	65535	F0082	none
CURVE										
91	0	16	F1109	C CE_MUPL_O	V	n/a	0	65535	F0082	none
CURVE										
93	0	8	F1110	C CE_MUPL_L	V	n/a	0	232	F0082	none
CURVE										
94	0	1	F1111	H FW Moving Mode	V	n/a	0	1	F0126	none
RAW MEANING										
0	Emergency									
1	Normal									
94	1	1	F1112	HFW Moving Direc	V	n/a	0	1	F0125	none
RAW MEANING										
0	Up									
1	Down									
94	2	1	F1113	H FW Stop Sensor	V	n/a	0	1	F0190	none
RAW MEANING										
0	Enabled									
1	Disabled									
94	3	11	F1114	HFW TimeOut Step	V	n/a	0	1599	F0123	none
CURVE										
95	6	1	F1115	HFW Moving Speed	V	n/a	0	1	F0188	none
RAW MEANING										
0	Slow									
1	Fast									
95	7	1	F1116	H FW TimeOutStop	V	n/a	0	1	F0189	none
RAW MEANING										
0	Disabled									
1	Enabled									
96	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										

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96	3	1	F1117	H FW PW Pos&Temp	V	n/a	0	1	F0127	none
RAW MEANING										
0	Off									
1	On									
96	4	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
97	2	3	F1118	H FW PosSensorST	V	n/a	0	7	F0129	X5020
RAW MEANING										
0	Open									
1	Filter D									
2	Filter C									
3	Filter B									
4	Filter A									
5	Close									
7	No Stop Pos.									
97	5	1	F1119	HFW Motor Status	V	n/a	0	1	F0124	none
RAW MEANING										
0	Stopped									
1	Running									
97	6	1	F1120	HFW StopPosition	V	n/a	0	1	none	none
RAW MEANING										
0	Not Active									
1	Active									
97	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
98	0	16	F1122	H CE_FWSPOT	V	n/a	0	359,9	none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8547) + 417.094$										
100	0	16	F1123	H CE_FWTEMP1	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
102	0	16	F1124	H CE_FWTEMP2	V	degC			none	X5020
CURVE $ENG (^{\circ}C) = RAW * (-0.8967) + 186.088$										
104	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
105	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
105	4	1	F1125	HFW DecontHeaLtc	V	n/a	0	1	none	none
RAW MEANING										
0	ON									
1	OFF									
105	5	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
105	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
106	0	16	F1127	H CE_TTMPFPC	V	degC			none	none
CURVE $ENG (^{\circ}C) = RAW * (-0.7303) + 129.6629$										

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108	0	16	F1128	H CE_TTMPFPF	V	degC			none	none
CURVE ENG (°C) = RAW*(-0.07421)-91.2987										
110	0	16	F1129	H CE_TTMPS	V	degC			none	none
CURVE ENG (°C) = RAW*(-0.7303)+129.6629										
112	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
113	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
113	5	1	F1130	H HOP PW Sensor	V	n/a	0	1	F0191	none
RAW MEANING										
0 Off										
1 On										
113	6	1	F1131	H HOP Retracted	V	n/a	0	1	none	X5000
RAW MEANING										
0 Retracted										
1 NotRetracted										
113	7	1	F1132	HHOP Door Status	V	n/a	0	1	F0044	X5000
RAW MEANING										
0 Open										
1 Closed										
114	0	8	F1133	C CE_U+5D	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.045										
115	0	8	F1134	C CE_U+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.044										
116	0	8	F1135	C CE_U-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.13)										
117	0	8	F1136	C CE_UDGND	V	V	-0,5	0,5	none	none
CURVE ENG (V) = RAW*0.01954-2.5										
118	0	8	F1137	C CE_CU+5A	V	V	4,7	5,3	none	none
CURVE ENG (V) = RAW*0.036										
119	0	8	F1138	C CE_CU-15A	V	V	-15,5	-14,5	none	none
CURVE ENG (V) = RAW*(-0.0711)										
120	0	1	F1139	C ErA0 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0 Ready										
1 Not Ready										
120	1	1	F1140	CErA0 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0 No Error										
1 Error										

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120	2	1	F1141	C ErA0 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	3	1	F1142	CErA0 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	4	1	F1143	CErA0 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
120	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
121	0	8	F1144	C ErA0 NegACKCod	V	n/a			F0078	none
RAW MEANING										
122	0	1	F1145	C ErA1 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
122	1	1	F1146	CErA1 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	2	1	F1147	C ErA1 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	3	1	F1148	CErA1 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	4	1	F1149	CErA1 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
122	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
123	0	8	F1150	C ErA1 NegACKCod	V	n/a			F0078	none
RAW MEANING										
124	0	1	F1151	C ErA2 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
124	1	1	F1152	CErA2 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	2	1	F1153	C ErA2 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	3	1	F1154	CErA2 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
124	4	1	F1155	CErA2 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									

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124	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
125	0	8	F1156	C ErA2 NegACKCod	V	n/a			F0078	none
RAW MEANING										
126	0	1	F1157	C ErA3 ADC QuaST	V	n/a	0	1	F0078	none
RAW MEANING										
0	Ready									
1	Not Ready									
126	1	1	F1158	CErA3 RecDataCks	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	2	1	F1159	C ErA3 Transmit	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	3	1	F1160	CErA3 ACKTimO ST	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	4	1	F1161	CErA3 ACK Status	V	n/a	0	1	F0078	none
RAW MEANING										
0	No Error									
1	Error									
126	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
127	0	8	F1162	C ErA3 NegACKCod	V	n/a			F0078	none
RAW MEANING										
128	0	16	F1163	C CE_IOADDR	V	n/a	0	65535	F0088	none
CURVE										
130	0	16	F1164	C CE_IODATA	V	n/a	0	65535	F0088	none
CURVE										
132	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
132	1	1	F1165	C RecTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	2	1	F1477	C RecHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	3	1	F1478	C TransComShowin	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	4	1	F1479	C TraTabDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	5	1	F1480	C TranHKDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
132	6	1	F1481	C ReceivCommShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									

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132	7	1	F1482	C HexComDataShow	V	n/a	0	1	F0083	none
RAW MEANING										
0	Not Selected									
1	Selected									
133	0	16	F1166	C CE_SSEG	V	n/a	0	65535	none	none
CURVE										
135	0	16	F1167	C CE_DSEG	V	n/a	0	65535	none	none
CURVE										
137	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
138	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
138	2	1	F1168	VCurrentMeasCoSw	V	n/a	0	1	F0142	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	3	1	F1169	VConvSync Switch	V	n/a	0	1	F0143	none
RAW MEANING										
0	Enabled									
1	Disabled									
138	4	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
139	0	1	F1170	VAcSTSwitchThPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	1	1	F1171	VAcSTSwitchThPW1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	2	1	F1172	V AcSTSwitchFW	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	3	1	F1173	V AcSTSwitchHT	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	4	1	F1174	V AcSTSwitchQua3	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	5	1	F1175	V AcSTSwitchQua2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	6	1	F1176	V AcSTSwitchQua1	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
139	7	1	F1177	V AcSTSwitchQua0	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	0	1	F1178	V SwitchThermPW2	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
140	1	1	F1179	V SwitchThermPW1	V	n/a	0	1	none	none
RAW MEANING										

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0	Off											
1	On											
140	2	1	F1180	V Switch FW	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	3	1	F1181	V Switch HT	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	4	1	F1182	V Switch Qua3	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	5	1	F1183	V Switch Qua2	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	6	1	F1184	V Switch Qua1	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
140	7	1	F1185	V Switch Qua0	V	n/a	0	1	none	none		
RAW MEANING												
0	Off											
1	On											
141	0	8	F1186	V VC_TEMP1	V	degC			none	none		
CURVE ENG (°C) = RAW*1.73-270												
142	0	8	F1187	V VC_TEMP2	V	V			none	none		
CURVE ENG (°C) = RAW*1.73-270												
143	0	8	F1188	V VC_IMAIN	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.617												
144	0	8	F1189	V VC_IQ0	V	mA			none	X5006		
CURVE ENG (mA) = RAW*4.0												
145	0	8	F1190	V VC_IQ1	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.777												
146	0	8	F1191	V VC_IQ2	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.273												
147	0	8	F1192	V VC_IQ3	V	mA			none	X5006		
CURVE ENG (mA) = RAW*3.491												
148	0	8	F1193	V VC_IHT	V	mA			none	X5006		
CURVE ENG (mA) = RAW*5.74+42.778												
149	0	8	F1194	V VC_HV0CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
150	0	8	F1195	V VC_HV1CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
151	0	8	F1196	V VC_HV2CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												
152	0	8	F1197	V VC_HV3CTRL	V	n/a	0	255	F0141	none		
RAW MEANING												

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153	0	16	F1198	V VC_UHV0	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
155	0	16	F1199	V VC_UHV1	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
157	0	16	F1200	V VC_UHV2	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
159	0	16	F1201	V VC_UHV3	V	V	-300	10	F0141	none
CURVE ENG (V) = RAW*(-1.01333)+513.76										
161	0	8	F1202	V VC_HTCTRL	V	n/a	0	255	F0141	none
CURVE										
162	0	16	F1203	V VC_UHT	V	V	0	40	F0141	none
CURVE ENG (V) = RAW*(-0.10756)+54.532										
164	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
165	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
165	3	1	F1205	EQUCH0 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	4	1	F1206	EQUCH0 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	5	1	F1207	EQUCH0 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	6	1	F1208	EQUCH0 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
165	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
166	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
166	3	1	F1209	EQUCH1 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	4	1	F1210	EQUCH1 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	5	1	F1211	EQUCH1 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	6	1	F1212	EQUCH1 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
166	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										

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167	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
167	3	1	F1213	EQUCH2 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	4	1	F1214	EQUCH2 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	5	1	F1215	EQUCH2 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	6	1	F1216	EQUCH2 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
167	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
168	0	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
168	3	1	F1217	EQUCH3 UVAR Offs	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	4	1	F1218	EQUCH3 CCD FFDR	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	5	1	F1219	EQUCH3 CCD BIAS	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	6	1	F1220	EQUCH3 CCD Power	V	n/a	0	1	none	none
RAW MEANING										
0	Off									
1	On									
168	7	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	0	1	F1221	ECACH0 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
169	1	1	F1222	ECACH0 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	2	1	F1223	ECACH0 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	3	1	F1224	ECACH0 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
169	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
169	5	1	F1225	ECACH0 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										

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0	Low											
1	High											
169	6	1	F1226	ECACH0 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
169	7	1	F1227	ECACH0 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	0	1	F1228	ECACH1 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
170	1	1	F1229	ECACH1 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	2	1	F1230	ECACH1 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	3	1	F1231	ECACH1 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
170	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
170	5	1	F1232	ECACH1 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	6	1	F1233	ECACH1 GainCame1	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
170	7	1	F1234	ECACH1 GainCame0	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											
171	0	1	F1235	ECACH2 TstPulse	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Disabled											
1	Enabled											
171	1	1	F1236	ECACH2 TstSwitc3	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	2	1	F1237	ECACH2 TstSwitc2	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	3	1	F1238	ECACH2 TstSwitc1	V	n/a	0	1	F0162	none		
RAW MEANING												
0	Off											
1	On											
171	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none		
RAW MEANING												
171	5	1	F1239	ECACH2 GainCame2	V	n/a	0	1	F0163	none		
RAW MEANING												
0	Low											
1	High											

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171	6	1	F1240	ECACH2 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
171	7	1	F1241	ECACH2 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	0	1	F1242	E CACH3 TstPulse	V	n/a	0	1	F0162	none
RAW MEANING										
0	Disabled									
1	Enabled									
172	1	1	F1243	ECACH3 TstSwitc3	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	2	1	F1244	ECACH3 TstSwitc2	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	3	1	F1245	ECACH3 TstSwitc1	V	n/a	0	1	F0162	none
RAW MEANING										
0	Off									
1	On									
172	4	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
172	5	1	F1246	ECACH3 GainCame2	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	6	1	F1247	ECACH3 GainCame1	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
172	7	1	F1248	ECACH3 GainCame0	V	n/a	0	1	F0163	none
RAW MEANING										
0	Low									
1	High									
173	0	8	F1249	E C0_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
174	0	8	F1250	E C1_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
175	0	8	F1251	E C2_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05825)										
176	0	8	F1252	E C3_UVBST	V	V			F0158	none
CURVE ENG (V) = RAW*(-0.05869)										
177	0	16	F1253	E C0_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
179	0	16	F1254	E C1_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
181	0	16	F1255	E C2_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
183	0	16	F1256	E C3_TEMPCCD	V	mV			none	none
CURVE ENG (mV) = RAW*(-1.74292)										
185	0	8	F1257	E C0_IVSSA	V	mA			none	none
CURVE ENG (mA) = RAW*0.29851										

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186	0	8	F1258	E C1_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
187	0	8	F1259	E C2_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
188	0	8	F1260	E C3_IVSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
189	0	8	F1261	E C0_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
190	0	8	F1262	E C1_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
191	0	8	F1263	E C2_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.298214									
192	0	8	F1264	E C3_IVSSSA	V	mA			none	none
CURVE	ENG (mA) = RAW*0.29851									
193	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
194	0	16	F1265	H OH_CTRL	V	n/a			F0132	none
CURVE										
196	0	16	F1266	H OH_STAT	V	n/a			F0133	none
CURVE										
198	0	16	F1267	H OH_TEMP	V	n/a			F0131	none
CURVE										
200	0	16	F1268	H DH_CTRL	V	n/a			F0135	none
CURVE										
202	0	16	F1269	H DH_STAT	V	n/a			F0136	none
CURVE										
204	0	16	F1270	H DH_TEMP	V	n/a			F0134	none
CURVE										
206	0	8	F1271	V VC_IFW	V	mA			none	X5006
CURVE	ENG (mA) = RAW*4.082									
207	0	8	F1272	V VC_IT	V	mA			none	X5006
CURVE	ENG (mA) = RAW*6.818									
208	0	8	F1273	C CE_ERR1	V	n/a			F0078	none
RAW MEANING										
209	0	8	F1274	C CE_ERR2	V	n/a			F0078	none
RAW MEANING										
210	0	8	F1275	C CE_ERR3	V	n/a			F0078	none
RAW MEANING										
211	0	8	F1276	C CE_ERR4	V	n/a			F0078	none
RAW MEANING										
212	0	8	F1277	C CE_ERR5	V	n/a			F0078	none
RAW MEANING										

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213	0	8	F1278	C CE_ERR6	V	n/a		F0078	none
RAW MEANING									
214	0	8	F1279	C CE_ERR7	V	n/a		F0078	none
RAW MEANING									
215	0	8	F1280	C CE_ERR8	V	n/a		F0078	none
RAW MEANING									
216	0	8	F1281	C CE_ERR9	V	n/a		F0078	none
RAW MEANING									
217	0	8	F1282	C CE_ERR10	V	n/a		F0078	none
RAW MEANING									
218	0	8	F1283	C CE_ERR11	V	n/a		F0078	none
RAW MEANING									
219	0	8	F1284	C CE_ERR12	V	n/a		F0078	none
RAW MEANING									
220	0	8	F1285	C CE_ERR13	V	n/a		F0078	none
RAW MEANING									
221	0	8	F1286	C CE_ERR14	V	n/a		F0078	none
RAW MEANING									
222	0	8	F1287	C CE_ERR15	V	n/a		F0078	none
RAW MEANING									
223	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none none
CURVE									
227	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none none
CURVE									
231	0	6	F1909	Spare 6 bits	V	n/a	0	63	none none
CURVE									
231	6	1	F1288	C MasterSeqClock	V	n/a	0	1	F0093 none
RAW MEANING									
0	Disabled								
1	Enabled								
231	7	1	F1289	C Select ReadQua	V	n/a	0	1	F0093 none
RAW MEANING									
0	Parallel								
1	Sequential								
232	0	1	F1290	CMS QuaSelected3	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	1	1	F1291	CMS QuaSelected2	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	2	1	F1292	CMS QuaSelected1	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	3	1	F1293	CMS QuaSelected0	V	n/a	0	1	F0093 none
RAW MEANING									
0	Off								
1	On								
232	4	4	F1294	CMS TimIntReaQua	V	n/a		F0093	none
CURVE									

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233	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
237	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
239	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
239	6	1	F1295	A0 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
239	7	1	F1296	A0 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
240	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	1	1	F1297	A0 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
240	2	1	F1298	A0 Memory Modify	V	n/a	0	1	F0183	X5002
RAW MEANING										
0	One time									
1	Continuously									
240	3	1	F1299	A0 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
240	4	1	F1300	A0 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
240	5	1	F1301	A0 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
240	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
240	7	1	F1334	A0 MEMCHK active	V	n/a	0	1	F0068	none
RAW MEANING										
0	Not Active									
1	Active									
241	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
241	2	1	F1302	A0 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
241	3	1	F1303	A0 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
241	4	1	F1304	A0 IntVecMemTest	V	n/a	0	1	none	X5016
RAW MEANING										
0	Passed									
1	Failed									
241	5	1	F1305	A0 MemBank2Test	V	n/a	0	1	none	X5016
RAW MEANING										

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0	Passed											
1	Failed											
241	6	1	F1306	A0 MemBank1Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
241	7	1	F1307	A0 MemBank0Test	V	n/a	0	1	none	X5016		
RAW MEANING												
0	Passed											
1	Failed											
242	0	8	F1308	A0_CMOTAB	V	n/a	0	255	none	none		
RAW MEANING												
243	0	8	F1309	A0_ERRCNT	V	n/a	0	255	F0103	none		
CURVE												
244	0	8	F1310	A0_LASTERR	V	n/a			F0103	none		
RAW MEANING												
245	0	8	F1311	A0_CMDCNT	V	n/a	0	255	none	none		
CURVE												
246	0	8	F1312	A0_CMDCNTR	V	n/a	0	255	none	none		
CURVE												
247	0	8	F1313	A0_CMDREJ	V	n/a	0	255	F0103	none		
CURVE												
248	0	16	F1315	A0_BYTEREC	V	n/a	0	65535	none	none		
CURVE												
250	0	16	F1316	A0_ADDRS	V	n/a	0	65535	F0099	none		
CURVE												
252	0	16	F1317	A0_ADDRO	V	n/a	0	65535	F0099	none		
CURVE												
254	0	16	F1318	A0_DATA	V	n/a	0	65535	F0099	none		
CURVE												
256	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none		
CURVE												
256	5	1	F1484	A0 CCD 2 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	6	1	F1483	A0 CCD 1 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
256	7	1	F1319	A0 CCD 0 SwiStat	V	n/a	0	1	F0113	none		
RAW MEANING												
0	Off											
1	On											
257	0	16	F1320	A0_SECCNT	V	n/a	0	65535	none	none		
CURVE												
259	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none		
CURVE												
259	4	1	F1321	A0 IllgCPUInterr	V	n/a	0	1	F0103	none		
RAW MEANING												
0	Not Received											
1	Received											

EPCS TM PACKETS

259	5	1	F1322	A0 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
259	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
260	0	8	F1323	A0_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
261	0	16	F1324	A0_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
263	0	16	F1325	A0_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
265	0	8	F1326	A0_MUPLL	V	n/a	0	232	F0094	none
CURVE										
266	0	16	F1327	A0_ATHRC	V	n/a	0	65535	none	none
CURVE										
268	0	16	F1328	A0_FIFRC	V	n/a	0	65535	none	none
CURVE										
270	0	16	F1329	A0_EPDHC	V	n/a	0	65535	none	none
CURVE										
272	0	16	F1330	A0_DSLINC	V	n/a	0	65535	none	none
CURVE										
274	0	16	F1331	A0_MCM	V	n/a	0	4095	none	none
CURVE										
276	0	16	F1332	A0_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
278	0	16	F1333	A0_IODATA	V	n/a	0	65535	F0099	none
CURVE										
280	0	8	F1314	A0_LASTCMD	V	n/a			none	none
RAW MEANING										
281	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
283	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
284	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
284	1	1	F1335	A0H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	2	1	F1336	A0H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
284	3	1	F1337	A0H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									

EPCS TM PACKETS

1	Error										
284	4	1	F1338	A0H ACK Status	V	n/a	0	1	none	none	
RAW MEANING											
0	No Error										
1	Error										
284	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none	
RAW MEANING											
285	0	8	F1339	A0H NegACKErCod	V	n/a			none	none	
RAW MEANING											
286	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none	
CURVE											
287	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none	
CURVE											
287	6	1	F1340	A1 CPU MedianCor	V	n/a	0	1	F0122	none	
RAW MEANING											
0	ON										
1	OFF										
287	7	1	F1341	A1 CPU PMODE	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Idle										
1	Send										
288	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	1	1	F1342	A1 EPEA mode	V	n/a	0	1	F0105	none	
RAW MEANING											
0	Nominal										
1	Debug										
288	2	1	F1343	A1 Memory Modify	V	n/a	0	1	F0183	X5003	
RAW MEANING											
0	One time										
1	Continuously										
288	3	1	F1344	A1 Memo Mod Auto	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Off										
1	On										
288	4	1	F1345	A1 EAB/EAWPUTVeR	V	n/a	0	1	none	none	
RAW MEANING											
0	Passed										
1	Failed										
288	5	1	F1346	A1 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none	
RAW MEANING											
0	Enabled										
1	Disabled										
288	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
288	7	1	F1379	A1 MEMCHK active	V	n/a	0	1	F0170	none	
RAW MEANING											
0	Not Active										
1	Active										
289	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
289	2	1	F1347	A1 EARAMCHK Stat	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
289	3	1	F1348	A1 MemUplinkStat	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										

EPCS TM PACKETS

1	Active										
289	4	1	F1349	A1 IntVecMemTest	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	5	1	F1350	A1 MemBank2Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	6	1	F1351	A1 MemBank1Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
289	7	1	F1352	A1 MemBank0Test	V	n/a	0	1	none	X5017	
RAW MEANING											
0	Passed										
1	Failed										
290	0	8	F1353	A1_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
291	0	8	F1354	A1_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
292	0	8	F1355	A1_LASTERR	V	n/a			F0103	none	
RAW MEANING											
293	0	8	F1356	A1_CMDCNT	V	n/a	0	255	none	none	
CURVE											
294	0	8	F1357	A1_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
295	0	8	F1358	A1_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
296	0	16	F1360	A1_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
298	0	16	F1361	A1_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
300	0	16	F1362	A1_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
302	0	16	F1363	A1_DATA	V	n/a	0	65535	F0099	none	
CURVE											
304	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none	
CURVE											
304	5	1	F1486	A1 CCD 2 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	6	1	F1485	A1 CCD 1 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
304	7	1	F1364	A1 CCD 0 SwiStat	V	n/a	0	1	F0113	none	
RAW MEANING											
0	Off										
1	On										
305	0	16	F1365	A1_SECCNT	V	n/a	0	65535	none	none	
CURVE											

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307	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
307	4	1	F1366	A1 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
307	5	1	F1367	A1 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
307	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
308	0	8	F1368	A1_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
309	0	16	F1369	A1_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
311	0	16	F1370	A1_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
313	0	8	F1371	A1_MUPLL	V	n/a	0	232	F0094	none
CURVE										
314	0	16	F1372	A1_ATHRC	V	n/a	0	65535	none	none
CURVE										
316	0	16	F1373	A1_FIFRC	V	n/a	0	65535	none	none
CURVE										
318	0	16	F1374	A1_EPDHC	V	n/a	0	65535	none	none
CURVE										
320	0	16	F1375	A1_DSLINC	V	n/a	0	65535	none	none
CURVE										
322	0	16	F1376	A1_MCM	V	n/a	0	4095	none	none
CURVE										
324	0	16	F1377	A1_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
326	0	16	F1378	A1_IODATA	V	n/a	0	65535	F0099	none
CURVE										
328	0	8	F1359	A1_LASTCMD	V	n/a			none	none
RAW MEANING										
329	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
331	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
332	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
332	1	1	F1380	A1H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									

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332	2	1	F1381	A1H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	3	1	F1382	A1H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	4	1	F1383	A1H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
332	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
333	0	8	F1384	A1H NegACKErCod	V	n/a			none	none
RAW MEANING										
334	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										
338	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
339	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
339	6	1	F1385	A2 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
339	7	1	F1386	A2 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
340	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	1	1	F1387	A2 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
340	2	1	F1388	A2 Memory Modify	V	n/a	0	1	F0183	X5004
RAW MEANING										
0	One time									
1	Continuously									
340	3	1	F1389	A2 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
340	4	1	F1390	A2 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
340	5	1	F1391	A2 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									
1	Disabled									
340	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
340	7	1	F1424	A2 MEMCHK active	V	n/a	0	1	F0172	none
RAW MEANING										
0	Not Active									
1	Active									

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341	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
341	2	1	F1392	A2 EARAMCHK Stat	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Active									
1	Active									
341	3	1	F1393	A2 MemUplinkStat	V	n/a	0	1	F0094	none
RAW MEANING										
0	Not Active									
1	Active									
341	4	1	F1394	A2 IntVecMemTest	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	5	1	F1395	A2 MemBank2Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	6	1	F1396	A2 MemBank1Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
341	7	1	F1397	A2 MemBank0Test	V	n/a	0	1	none	X5018
RAW MEANING										
0	Passed									
1	Failed									
342	0	8	F1398	A2_CMOTAB	V	n/a	0	255	none	none
RAW MEANING										
343	0	8	F1399	A2_ERRCNT	V	n/a	0	255	F0103	none
CURVE										
344	0	8	F1400	A2_LASTERR	V	n/a			F0103	none
RAW MEANING										
345	0	8	F1401	A2_CMDCNT	V	n/a	0	255	none	none
CURVE										
346	0	8	F1402	A2_CMDCNTR	V	n/a	0	255	none	none
CURVE										
347	0	8	F1403	A2_CMDREJ	V	n/a	0	255	F0103	none
CURVE										
348	0	16	F1405	A2_BYTEREC	V	n/a	0	65535	none	none
CURVE										
350	0	16	F1406	A2_ADDRS	V	n/a	0	65535	F0099	none
CURVE										
352	0	16	F1407	A2_ADDRO	V	n/a	0	65535	F0099	none
CURVE										
354	0	16	F1408	A2_DATA	V	n/a	0	65535	F0099	none
CURVE										
356	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
356	5	1	F1488	A2 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									

EPCS TM PACKETS

356	6	1	F1487	A2 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
356	7	1	F1409	A2 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
357	0	16	F1410	A2_SECCNT	V	n/a	0	65535	none	none
CURVE										
359	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
359	4	1	F1411	A2 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
359	5	1	F1412	A2 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
359	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
360	0	8	F1413	A2_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
361	0	16	F1414	A2_MUPLS	V	n/a	0	65536	F0094	none
CURVE										
363	0	16	F1415	A2_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
365	0	8	F1416	A2_MUPLL	V	n/a	0	232	F0094	none
CURVE										
366	0	16	F1417	A2_ATHRC	V	n/a	0	65535	none	none
CURVE										
368	0	16	F1418	A2_FIFRC	V	n/a	0	65535	none	none
CURVE										
370	0	16	F1419	A2_EPDHC	V	n/a	0	65535	none	none
CURVE										
372	0	16	F1420	A2_DSLINC	V	n/a	0	65535	none	none
CURVE										
374	0	16	F1421	A2_MCM	V	n/a	0	4095	none	none
CURVE										
376	0	16	F1422	A2_IOADDR	V	n/a	0	65535	F0099	none
CURVE										
378	0	16	F1423	A2_IODATA	V	n/a	0	65535	F0099	none
CURVE										
380	0	8	F1404	A2_LASTCMD	V	n/a			none	none
RAW MEANING										
381	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										

EPCS TM PACKETS

383	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
384	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
384	1	1	F1425	A2H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	2	1	F1426	A2H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	3	1	F1427	A2H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	4	1	F1428	A2H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
384	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
385	0	8	F1429	A2H NegACKErCod	V	n/a			none	none
RAW MEANING										
386	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
387	0	6	F1909	Spare 6 bits	V	n/a	0	63	none	none
CURVE										
387	6	1	F1430	A3 CPU MedianCor	V	n/a	0	1	F0122	none
RAW MEANING										
0	ON									
1	OFF									
387	7	1	F1431	A3 CPU PMODE	V	n/a	0	1	F0105	none
RAW MEANING										
0	Idle									
1	Send									
388	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
388	1	1	F1432	A3 EPEA mode	V	n/a	0	1	F0105	none
RAW MEANING										
0	Nominal									
1	Debug									
388	2	1	F1433	A3 Memory Modify	V	n/a	0	1	F0183	X5005
RAW MEANING										
0	One time									
1	Continuously									
388	3	1	F1434	A3 Memo Mod Auto	V	n/a	0	1	F0183	none
RAW MEANING										
0	Off									
1	On									
388	4	1	F1435	A3 EAB/EAWPUTVeR	V	n/a	0	1	none	none
RAW MEANING										
0	Passed									
1	Failed									
388	5	1	F1436	A3 EAB/EAWPUTVeF	V	n/a	0	1	F0183	none
RAW MEANING										
0	Enabled									

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1	Disabled										
388	6	1	F1902	Spare 1 bit	V	n/a	0	1	none	none	
RAW MEANING											
388	7	1	F1469	A3 MEMCHK active	V	n/a	0	1	F0174	none	
RAW MEANING											
0	Not Active										
1	Active										
389	0	2	F1903	Spare 2 bits	V	n/a	0	3	none	none	
RAW MEANING											
389	2	1	F1437	A3 EARAMCHK Sta	V	n/a	0	1	F0175	none	
RAW MEANING											
0	Not Active										
1	Active										
389	3	1	F1438	A3 MemUplink St	V	n/a	0	1	F0094	none	
RAW MEANING											
0	Not Active										
1	Active										
389	4	1	F1439	A3 IntVecMemTest	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	5	1	F1440	A3 MemBank2Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	6	1	F1441	A3 MemBank1Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
389	7	1	F1442	A3 MemBank0Test	V	n/a	0	1	none	X5019	
RAW MEANING											
0	Passed										
1	Failed										
390	0	8	F1443	A3_CMOTAB	V	n/a	0	255	none	none	
RAW MEANING											
391	0	8	F1444	A3_ERRCNT	V	n/a	0	255	F0103	none	
CURVE											
392	0	8	F1445	A3_LASTERR	V	n/a			F0103	none	
RAW MEANING											
393	0	8	F1446	A3_CMDCNT	V	n/a	0	255	none	none	
CURVE											
394	0	8	F1447	A3_CMDCNTR	V	n/a	0	255	none	none	
CURVE											
395	0	8	F1448	A3_CMDREJ	V	n/a	0	255	F0103	none	
CURVE											
396	0	16	F1450	A3_BYTEREC	V	n/a	0	65535	none	none	
CURVE											
398	0	16	F1451	A3_ADDRS	V	n/a	0	65535	F0099	none	
CURVE											
400	0	16	F1452	A3_ADDRO	V	n/a	0	65535	F0099	none	
CURVE											
402	0	16	F1453	A3_DATA	V	n/a	0	65535	F0099	none	
CURVE											

EPCS TM PACKETS

404	0	5	F1910	Spare 5 bits	V	n/a	0	31	none	none
CURVE										
404	5	1	F1490	A3 CCD 2 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	6	1	F1489	A3 CCD 1 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
404	7	1	F1454	A3 CCD 0 SwiStat	V	n/a	0	1	F0113	none
RAW MEANING										
0	Off									
1	On									
405	0	16	F1455	A3_SECCNT	V	n/a	0	65535	none	none
CURVE										
407	0	4	F1907	Spare 4 bits	V	n/a	0	15	none	none
CURVE										
407	4	1	F1456	A3 IllgCPUInterr	V	n/a	0	1	F0103	none
RAW MEANING										
0	Not Received									
1	Received									
407	5	1	F1457	A3 RAM Check Err	V	n/a	0	1	F0175	none
RAW MEANING										
0	Not Occured									
1	Occured									
407	6	2	F1903	Spare 2 bits	V	n/a	0	3	none	none
RAW MEANING										
408	0	8	F1458	A3_PMODE	V	n/a	0	2	F0105	none
RAW MEANING										
0	Idle									
1	Send									
2	Debug									
409	0	16	F1459	A3_MUPLS	V	n/a	0	65535	F0094	none
CURVE										
411	0	16	F1460	A3_MUPLO	V	n/a	0	65535	F0094	none
CURVE										
413	0	8	F1461	A3_MUPLL	V	n/a	0	232	F0094	none
CURVE										
414	0	16	F1462	A3_ATHRC	V	n/a	0	65535	none	none
CURVE										
416	0	16	F1463	A3_FIFRC	V	n/a	0	65535	none	none
CURVE										
418	0	16	F1464	A3_EPDHC	V	n/a	0	65535	none	none
CURVE										
420	0	16	F1465	A3_DSLINC	V	n/a	0	65535	none	none
CURVE										
422	0	16	F1466	A3_MCM	V	n/a	0	4095	none	none
CURVE										
424	0	16	F1467	A3_IOADDR	V	n/a	0	65535	F0099	none
CURVE										

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426	0	16	F1468	A3_IODATA	V	n/a	0	65535	F0099	none
CURVE										
428	0	8	F1449	A3_LASTCMD	V	n/a			none	none
RAW MEANING										
429	0	16	F1905	Spare 2 bytes	V	n/a	0	65535	none	none
CURVE										
431	0	8	F1906	Spare 1 byte	V	n/a	0	255	none	none
CURVE										
432	0	1	F1902	Spare 1 bit	V	n/a	0	1	none	none
RAW MEANING										
432	1	1	F1470	A3H Rec Data Cks	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	2	1	F1471	A3H Transmit ST	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	3	1	F1472	A3H AckTimeOutSt	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	4	1	F1473	A3H ACK Status	V	n/a	0	1	none	none
RAW MEANING										
0	No Error									
1	Error									
432	5	3	F1908	Spare 3 bits	V	n/a	0	7	none	none
RAW MEANING										
433	0	8	F1474	A3H NegACKErCod	V	n/a			none	none
RAW MEANING										
434	0	32	F1904	Spare 4 bytes	V	n/a	0	42949672	none	none
CURVE										

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50013	1792	HBR Fifo Full	4	3	115	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 73//

Bit	Width	Name	F/V	Value
0	8	SID	F	115

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2004	HBR Identifier	V	n/a		1	4		none	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50015	1792	ThermalControlAlarm	4	3	127	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 7F//

Bit	Width	Name	F/V	Value
0	8	SID	F	127

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
18	0	15	FIX	Filler	F	n/a	0					
CURVE												
19	7	1	F1013	D ExtH Heater ST	V	n/a		0	1		F0007	none
RAW MEANING												
0	Off											
1	On											

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50016	1792	Fault on Switch	4	3	125	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 7D//

Bit	Width	Name	F/V	Value
0	8	SID	F	125

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2050	SwitchIdentifier	V	n/a		2560	3328		none	none
RAW MEANING												

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50017	1792	CurrentLimitersActiv	4	3	126	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: 7E//

Bit	Width	Name	F/V	Value
0	8	SID	F	126

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0343

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	4
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
15	0	8	FIX	Filler	F	n/a	0					
CURVE												
16	0	16	F2050	SwitchIdentifier	V	n/a		2560	3328		none	none
RAW MEANING												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50020	1792	HBR Configuration	5	4	N/A	255	128	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: FF80

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	128

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	FIX	Filler	F	n/a	0					
CURVE												
17	0	4	F1907	Spare 4 bits	V	n/a		0	15		none	none
CURVE												
17	4	1	F2041	HBR4 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
17	5	1	F2040	HBR3 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
17	6	1	F2039	HBR2 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
17	7	1	F2038	HBR1 Active Chan	V	n/a		0	1		F0031	none
RAW MEANING												
0	Not Active											
1	Active											
18	0	16	F2027	HBR 1 Processing	V	n/a		0	6		F0031	none
RAW MEANING												
0	Disabled											
1	ImaFullFrame											
2	ImaLargeWind											
3	ImaSmallWind											
4	Timing											
5	Burst											

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6	Transparent	2	F2042	HBR1 Quadrant ID	F	n/a	0	0	0	F0031	none
20	0										
RAW MEANING											
20	2	2	F2046	HBR1QuadrantMode	V	n/a		0	3	F0031	none
0	Normal										
3	Transparent										
20	4	4	F2015	D HBR1 CCD0 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
21	0	4	F2016	D HBR1 CCD1 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
21	4	4	F2017	D HBR1 CCD2 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
22	0	16	F2028	HBR 2 Processing	V	n/a		0	6	F0031	none
RAW MEANING											
0	Disabled										
1	ImaFullFrame										
2	ImaLargeWind										
3	ImaSmallWind										
4	Timing										
5	Burst										
6	Transparent										
24	0	2	F2043	HBR2 Quadrant ID	F	n/a	1	1	1	F0031	none
RAW MEANING											
24	2	2	F2047	HBR2QuadrantMode	V	n/a		0	3	F0031	none
RAW MEANING											
0	Normal										
3	Transparent										
24	4	4	F2018	D HBR2 CCD0 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										
25	0	4	F2019	D HBR2 CCD1 Mode	V	n/a		0	5	F0031	none
RAW MEANING											
0	Not Active										
1	Imaging FF										
2	Imaging LW										
3	Imaging SW										
4	Timing										
5	Burst										

EPCS TM PACKETS

25	4	4	F2020	D HBR2 CCD2 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
26	0	16	F2029	HBR 3 Processing	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
28	0	2	F2044	HBR3 Quadrant ID	F	n/a	2	2	F0031	none
RAW MEANING										
28	2	2	F2048	HBR3QuadrantMode	V	n/a	0	3	F0031	none
RAW MEANING										
0	Normal									
3	Transparent									
28	4	4	F2021	D HBR3 CCD0 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
29	0	4	F2022	D HBR3 CCD1 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
29	4	4	F2023	D HBR3 CCD2 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0	Not Active									
1	Imaging FF									
2	Imaging LW									
3	Imaging SW									
4	Timing									
5	Burst									
30	0	16	F2030	HBR 4 Processing	V	n/a	0	6	F0031	none
RAW MEANING										
0	Disabled									
1	ImaFullFrame									
2	ImaLargeWind									
3	ImaSmallWind									
4	Timing									
5	Burst									
6	Transparent									
32	0	2	F2045	HBR4 Quadrant ID	F	n/a	3	3	F0031	none
RAW MEANING										
32	2	2	F2049	HBR4QuadrantMode	V	n/a	0	3	F0031	none
RAW MEANING										
0	Normal									
3	Transparent									

EPCS TM PACKETS

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32	4	4	F2024	D HBR4 CCD0 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0										
1										
2										
3										
4										
5										
33	0	4	F2025	D HBR4 CCD1 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0										
1										
2										
3										
4										
5										
33	4	4	F2026	D HBR4 CCD2 Mode	V	n/a	0	5	F0031	none
RAW MEANING										
0										
1										
2										
3										
4										
5										

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50021	1792	HBR Buffer Size	5	4	N/A	255	129	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: FF81

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	129

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	32	F2005	HBR1 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
20	0	32	F2006	HBR 1 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												
24	0	32	F2007	HBR2 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
28	0	32	F2008	HBR 2 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												
32	0	32	F2009	HBR3 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
36	0	32	F2010	HBR 3 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												
40	0	32	F2011	HBR4 BufferStart	V	n/a		0	1048575	F0032		none
CURVE												
44	0	32	F2012	HBR 4 Buffer End	V	n/a		0	1048575	F0032		none
CURVE												

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50022	1792	ThermalMonitoringLim	5	4	N/A	255	160	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 7: FFA0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	160

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0354

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
16	0	8	F2013	D ThermMonUppLim	V	degC					F0036	none
CURVE												
17	0	8	F2014	D ThermMonLowLim	V	degC					F0036	none
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50023	1792	EPDH Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50024	1792	EPCE Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50025	1792	EPEA 0 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50026	1792	EPEA 1 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50027	1792	EPEA 2 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50028	1792	EPEA 3 Memory Dump	6	2	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0362

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50029	1792	EPDH Memory Checksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0363

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 10: variable

Bit	Width	Name	F/V	Value
0	16	Memory Length	V	X

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50030	1792	EPCE Memory Checksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0363

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 10: variable

Bit	Width	Name	F/V	Value
0	16	Memory Length	V	X

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50031	1792	EPEA0 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0363

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 10: variable

Bit	Width	Name	F/V	Value
0	16	Memory Length	V	X

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50032	1792	EPEA1 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0363

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 10: variable

Bit	Width	Name	F/V	Value
0	16	Memory Length	V	X

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50033	1792	EPEA2 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0363

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 10: variable

Bit	Width	Name	F/V	Value
0	16	Memory Length	V	X

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50034	1792	EPEA3 MemoryChecksum	6	3	N/A	N/A	N/A	0	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: 0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 3: 0363

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 10: variable

Bit	Width	Name	F/V	Value
0	16	Memory Length	V	X

Offset Word 11: variable

Bit	Width	Name	F/V	Value
0	16	Checksum Result	V	X

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50035	1792	TMPacketGeneratStat	9	1	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	8	SID	V	X
8	8	Status of TM packet	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 0391

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	9
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
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CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50036	1792	<i>TimeVerificatReport</i>	10	5	N/A	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03A5

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	10
12	4	Packet Subtype	F	5

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
CURVE												

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50037	1792	Imaging Data	15	1	1	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0100

Bit	Width	Name	F/V	Value
0	8	SID	F	1
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F1

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	1

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a	0	0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50038	1792	Timing Data	15	2	2	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0200

Bit	Width	Name	F/V	Value
0	8	SID	F	2
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F2

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					
CURVE												
10	0	2	F2051	Quadrant ID	V	n/a		0	3		none	none
RAW MEANING												
10	2	2	F2052	Quadrant Mode	V	n/a	0	0	3		none	none
RAW MEANING												
0				Normal								
3				Transparent								
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5		none	none
RAW MEANING												
0				Not Active								
1				Imaging FF								
2				Imaging LW								
3				Imaging SW								
4				Timing								
5				Burst								
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5		none	none
RAW MEANING												
0				Not Active								
1				Imaging FF								
2				Imaging LW								
3				Imaging SW								
4				Timing								
5				Burst								
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5		none	none
RAW MEANING												
0				Not Active								
1				Imaging FF								

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50039	1792	Burst Data	15	2	3	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0300

Bit	Width	Name	F/V	Value
0	8	SID	F	3
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F2

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a	0	0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50040	1792	<i>Diagnostic Data</i>	15	3	5	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0500

Bit	Width	Name	F/V	Value
0	8	SID	F	5
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F3

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	3

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a	3	0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

- 2 Imaging LW
- 3 Imaging SW
- 4 Timing
- 5 Burst

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50041	1792	<i>Offset Data</i>	15	4	6	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0600

Bit	Width	Name	F/V	Value
0	8	SID	F	6
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50042	1792	Noise Data	15	4	7	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0700

Bit	Width	Name	F/V	Value
0	8	SID	F	7
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					

CURVE

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50043	1792	Discarded Lines Data	15	4	8	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0800

Bit	Width	Name	F/V	Value
0	8	SID	F	8
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
9	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50044	1792	CountingCycleReport	15	4	9	N/A	N/A	N/A	N/A

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: 0900

Bit	Width	Name	F/V	Value
0	8	SID	F	9
8	8	Spare	F	0

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	V	X
2	14	Source Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 3: 03F4

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	15
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
9	0	8	FIX	Filler	F	n/a	0				
CURVE											
10	0	2	F2051	Quadrant ID	V	n/a		0	3	none	none
RAW MEANING											
10	2	2	F2052	Quadrant Mode	V	n/a		0	3	none	none
RAW MEANING											
0				Normal							
3				Transparent							
10	4	4	F2053	CCD 0 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	0	4	F2054	CCD 1 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							
2				Imaging LW							
3				Imaging SW							
4				Timing							
5				Burst							
11	4	4	F2055	CCD 2 Mode	V	n/a		0	5	none	none
RAW MEANING											
0				Not Active							
1				Imaging FF							

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50104	1792	UnsComAc-IncorrCHK	3	2	N/A	N/A	N/A	N/A	1

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0100

Bit	Width	Name	F/V	Value
0	8	Error Code	F	1
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Filler	F	n/a	0				

CURVE

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50105	1792	UnsComEx-WrongAddres	3	4	N/A	N/A	N/A	N/A	131

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 83//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	131

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50204	1792	UnsComAc-IllegalType	3	2	N/A	N/A	N/A	N/A	2

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0200

Bit	Width	Name	F/V	Value
0	8	Error Code	F	2
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50205	1792	UnsComEx-CHKNotReady	3	4	N/A	N/A	N/A	N/A	132

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 84//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	132

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50304	1792	UnsComAc-IllegalSuTy	3	2	N/A	N/A	N/A	N/A	3

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0300

Bit	Width	Name	F/V	Value
0	8	Error Code	F	3
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50305	1792	UnsComEx-LBRProtErr	3	4	N/A	N/A	N/A	N/A	238

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: EE//

Bit	Width	Name	F/V	Value
0	8	Error Code	F	238

Offset Word 3: 0334

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	4

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	F2003	LBRProtocolError	V	n/a		1	250	none		none
RAW MEANING												
1	BeginIDnotFF											
2	WrongLength											
3	UARTRecError											
4	WrongParaNum											
5	WrongParamet											
6	DiffEPEAAckn											
8	FailedLCVeri											
17	WrongFramCHK											
34	Unknown LC											
51	Timeout											
68	LC rejected											
113	EA 0 failed											
114	EA 1 failed											
115	EA0,1 failed											
116	EA 2 failed											
117	EA2,0 failed											
118	EA2,1 failed											
119	EA2,1,0faile											
120	EA 3 failed											
121	EA3,0 failed											
122	EA3,1 failed											
123	EA3,1,0faile											
124	EA3,2 failed											
125	EA3,2,0faile											
126	EA3,2,1faile											
127	EA3,2,1,0fai											
250	EMDHresponse											

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TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50404	1792	UnsComAc-IlgTCLength	3	2	N/A	N/A	N/A	N/A	5

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0500

Bit	Width	Name	F/V	Value
0	8	Error Code	F	5
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50504	1792	UnsComAc-IllegalTID	3	2	N/A	N/A	N/A	N/A	8

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0800

Bit	Width	Name	F/V	Value
0	8	Error Code	F	8
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

EPCS TM PACKETS

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50604	1792	UnsComAc-IllegalFID	3	2	N/A	N/A	N/A	N/A	9

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0900

Bit	Width	Name	F/V	Value
0	8	Error Code	F	9
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50704	1792	UnsComAc-IllegalMODE	3	2	N/A	N/A	N/A	N/A	10

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0A00

Bit	Width	Name	F/V	Value
0	8	Error Code	F	10
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50804	1792	UnsComAc-IllegalMID	3	2	N/A	N/A	N/A	N/A	11

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 0B00

Bit	Width	Name	F/V	Value
0	8	Error Code	F	11
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC MFN	COND
17	0	8	FIX	Filler	F	n/a	0				

CURVE

TPN	APID	NAME	TYPE	SUBTYPE	SID	TID	FID	MID	ERROR CODE
50904	1792	UnsComAc-IllegHeader	3	2	N/A	N/A	N/A	N/A	129

Offset Word 0: 8F00

Bit	Width	Name	F/V	Value
0	3	Version Number	F	4
3	1	Type	F	0
4	1	Data Field Header Flag	F	1
5	11	APID	F	1792

Offset Word 4: variable

Bit	Width	Name	F/V	Value
0	48	Time	V	X

Offset Word 1: variable

Bit	Width	Name	F/V	Value
0	2	Segmentation Flags	F	3
2	14	Source Sequence Count	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	TC Sequence Count	V	X

Offset Word 2: variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 8: 8100

Bit	Width	Name	F/V	Value
0	8	Error Code	F	129
8	8	Spare	F	0

Offset Word 3: 0332

Bit	Width	Name	F/V	Value
0	6	Spare	F	0
6	2	Checksum Flag	F	3
8	4	Packet Type	F	3
12	4	Packet Subtype	F	2

BYTE	BIT	WIDTH	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TC	MFN	COND
17	0	8	FIX	Filler	F	n/a	0					

CURVE