

Frame1

	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
0	H1	H2	H3	H4	L0Event number												L0_B Id														
1	BCSU PT1						BCSU PT2						BCSU Address candidate 1																		
2	BCSU Address candidate 2						F1	F2	F3	F4	PU# 1 st			PU# 2 nd			BCSU Status			BCSU BClid											
3	PU0 PT1						PU0 PT2						PU0 Address candidate 1																		
4	PU0 Address candidate 2						PU0 Status												PU0 BClid												
5	PU1 PT1						PU1 PT2						PU1 Address candidate 1																		
6	PU1 Address candidate 2						PU1 Status												PU1 BClid												
7	PU2 PT1						PU2 PT2						PU2 Address candidate 1																		
8	PU2 Address candidate 2						PU2 Status												PU2 BClid												
9	PU3 PT1						PU3 PT2						PU3 Address candidate 1																		
10	PU3 Address candidate 2						PU3 Status												PU3 BClid												
11	Optical links error flags						Serial neighbours error flags						Parallel neighbours error flags																		
12	M1 optical Inputs						M1 optical Inputs						M1 optical Inputs																		
13	M2 optical Inputs						M2 optical Inputs						M2 optical Inputs																		
14	M3 optical Inputs						M3 optical Inputs						M3 optical Inputs																		
15	M4 optical inputs						M4 optical inputs						M4 optical inputs																		
16	M5 optical inputs						M5 optical inputs						M5 optical inputs																		
17	1st backplane serial bus						1st backplane serial bus						2 nd backplane serial bus																		
18	2 nd backplane serial bus						2 nd backplane serial bus						3 rd backplane serial bus																		
19	3 rd backplane serial bus						3 rd backplane serial bus						4th backplane serial bus																		
20	5th backplane serial bus						6 th backplane serial bus						5 th bp // 4 th bp // 3 rd bp // 2 nd bp																		
21	1 st bp //	Crossing vertical bus						Horizontal parallel bus																							
22	Horizontal parallel bus						Horizontal parallel bus																								
23	Horizontal parallel bus						Horizontal parallel bus																								
24	Vertical parallel bus						Vertical parallel bus																								
25	Vertical parallel bus						Optical links error flags																								
26	Serial neighbours error flags						Parallel neighbours error flags						M1 optical Inputs																		
27	M1 optical Inputs						M1 optical Inputs						M1 optical Inputs																		
28	M2 optical Inputs						M2 optical Inputs						M2 optical Inputs																		
29	M3 optical Inputs						M3 optical Inputs						M3 optical Inputs																		
30	M4 optical inputs						M4 optical inputs						M5 optical inputs																		
31	M5 optical inputs						1st backplane serial bus						2 nd backplane serial bus																		
32	1st backplane serial bus						2 nd backplane serial bus						3 rd backplane serial bus																		
33	2 nd backplane serial bus						3 rd backplane serial bus						4th backplane serial bus																		
34	3 rd backplane serial bus						5th backplane serial bus						6 th backplane serial bus																		
35	-						-						-																		
36	L0Event number						L0_B Id																								
37	6 th backplane serial bus						5 th bp //	4 th bp //	3 rd bp //	2 nd bp //	1 st bp //	Crossing vertical bus																			
38	Horizontal parallel bus						Horizontal parallel bus																								
39	Horizontal parallel bus						Horizontal parallel bus																								
40	Horizontal parallel bus						Vertical parallel bus																								
41	Vertical parallel bus						Vertical parallel bus																								
42	Optical links error flags						Serial neighbours error flags						Parallel neighbours error flags																		
43	M1 optical Inputs						M1 optical Inputs						M1 optical Inputs																		
44	M2 optical Inputs						M2 optical Inputs						M2 optical Inputs																		
45	M3 optical Inputs						M3 optical Inputs						M3 optical Inputs																		
46	M4 optical inputs						M4 optical inputs						M5 optical inputs																		
47	M5 optical inputs						1st backplane serial bus						2 nd backplane serial bus																		
48	1st backplane serial bus						2 nd backplane serial bus						3 rd backplane serial bus																		
49	2 nd backplane serial bus						3 rd backplane serial bus						4th backplane serial bus																		
50	3 rd backplane serial bus						5th backplane serial bus						6 th backplane serial bus																		
51	5th backplane serial bus						5 th bp //	4 th bp //	3 rd bp //	2 nd bp //	1 st bp //	Crossing vertical bus																			
52	1 st bp //	Horizontal parallel bus						Horizontal parallel bus																							
53	Horizontal parallel bus						Horizontal parallel bus																								
54	Horizontal parallel bus						Horizontal parallel bus																								
55	Vertical parallel bus						Vertical parallel bus																								
56	Vertical parallel bus						Optical links error flags																								
57	Serial neighbours error flags						Parallel neighbours error flags						M1 optical Inputs																		
58	M1 optical Inputs						M1 optical Inputs						M1 optical Inputs																		
59	M2 optical Inputs						M2 optical Inputs						M2 optical Inputs																		
60	M3 optical Inputs						M3 optical Inputs						M3 optical Inputs																		
61	M4 optical inputs						M4 optical inputs						M5 optical inputs																		
62	M5 optical inputs						1st backplane serial bus						2 nd backplane serial bus																		
63	1st backplane serial bus						2 nd backplane serial bus						3 rd backplane serial bus																		
64	2 nd backplane serial bus						3 rd backplane serial bus						4th backplane serial bus																		
65	3 rd backplane serial bus						5th backplane serial bus						6 th backplane serial bus																		
66	6 th backplane serial bus						5 th bp //	4 th bp //	3 rd bp //	2 nd bp //	1 st bp //	Crossing vertical bus																			
67	Horizontal parallel bus						Horizontal parallel bus																								
68	Horizontal parallel bus						Horizontal parallel bus																								
69	Horizontal parallel bus						Vertical parallel bus																								
70	Vertical parallel bus						Vertical parallel bus																								
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Frame1

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Frame2

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
0	Idle sequence															
1	Idle sequence															
2	-		L0Event number													
3	-		L0_B_Id													
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27	bits 463 to 0															
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PUfield

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1	-	Serial neighbours error flags						Parallel neighbours error flags																																																																													
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8	Neighbours transferred at 1.6 Gb/s																																																																																				
9																		1st backplane serial bus																																																																			
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14	6th backplane serial bus																																																																																				
15	5th bp // 4th bp // 3rd bp // 2nd bp //																																																																																				
16	1st bp //																																																																																				
17	Crossing vertical bus																																																																																				
18	Neighbours transferred at 80 MHz																																																																																				
19																		Horizontal parallel bus																																																																			
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