Hardware		FPGAfirmware		Software	Hardware		FPGAfirmware		Software
Pin	Name	Module	Pin	Signal name	Pin	Name	Module	Pin	Signal name
1	GND	-	-	-	123	GND	-	-	-
2	AMC[0] - PS1#	I/O ext.	15	-	124	AMC[1] - PS1#	I/O ext.	7	-
3	AMC[0] - Enable#	I/O ext.	14	-	125	AMC[1] - Enable#	I/O ext.	6	-
4	AMC[0] - IPMB-L Enable	I/O ext.	0	-	126	AMC[1] - IPMB-L Enable	I/O ext.	5	-
5	AMC[0] - MP Enable	I/O ext.	1	-	127	AMC[1] - MP Enable	I/O ext.	4	-
6	AMC[0] - PWR Enable	I/O ext.	2	-	128	AMC[1] - PWR Enable	I/O ext.	3	-
7	AMC[0] - MP Good	I/O ext.	3	-	129	AMC[1] - MP Good	I/O ext.	2	-
8	AMC[0] - PWR Good	I/O ext.	4	-	130	AMC[1] - PWR Good	I/O ext.	1	-
9	AMC[0] - MP Fault	I/O ext.	5	-	131	AMC[1] - MP Fault	I/O ext.	0	-
10	AMC[0] - PWR Fault	I/O ext.	6	-	132	AMC[1] - PWR Fault	I/O ext.	15	-
11	AMC[0] - PWR Oring	I/O ext.	7	-	133	AMC[1] - PWR Oring	I/O ext.	14	-
12	GND	-	-	-	134	GND	-	-	-
13	AMC[2] - PS1#	I/O ext.	8	-	135	AMC[3] - PS1#	I/O ext.	13	-
14	AMC[2] - Enable#	I/O ext.	9	-	136	AMC[3] - Enable#	I/O ext.	12	-
15	AMC[2] - IPMB-L Enable	I/O ext.	10	-	137	AMC[3] - IPMB-L Enable	I/O ext.	11	-
16	AMC[2] - MP Enable	I/O ext.	11	-	138	AMC[3] - MP Enable	I/O ext.	10	-
17	AMC[2] - PWR Enable	I/O ext.	12	-	139	AMC[3] - PWR Enable	I/O ext.	9	-
18	AMC[2] - MP Good	I/O ext.	13	-	140	AMC[3] - MP Good	I/O ext.	8	-
19	AMC[2] - PWR Good	I/O ext.	14	-	141	AMC[3] - PWR Good	I/O ext.	7	-
20	AMC[2] - MP Fault	I/O ext.	15	-	142	AMC[3] - MP Fault	I/O ext.	6	-
21	AMC[2] - PWR Fault	I/O ext.	0	-	143	AMC[3] - PWR Fault	I/O ext.	5	-
22	AMC[2] - PWR Oring	I/O ext.	1	-	144	AMC[3] - PWR Oring	I/O ext.	4	-
23	GND	-	-	-	145	GND	-	-	-
24	AMC[4] - PS1#	I/O ext.	2	-	146	AMC[5] - PS1#	I/O ext.	3	-
25	AMC[4] - Enable#	I/O ext.	3	-	147	AMC[5] - Enable#	I/O ext.	2	-
26	AMC[4] - IPMB-L Enable	I/O ext.	4	-	148	AMC[5] - IPMB-L Enable	I/O ext.	1	-
27	AMC[4] - MP Enable	I/O ext.	5	-	149	AMC[5] - MP Enable	I/O ext.	0	-
28	AMC[4] - PWR Enable	I/O ext.	6	-	150	AMC[5] - PWR Enable	I/O ext.	15	-
29	AMC[4] - MP Good	I/O ext.	7	-	151	AMC[5] - MP Good	I/O ext.	14	-
30	AMC[4] - PWR Good	I/O ext.	8	-	152	AMC[5] - PWR Good	I/O ext.	13	-
31	AMC[4] - MP Fault	I/O ext.	9	-	153	AMC[5] - MP Fault	I/O ext.	12	-
32	AMC[4] - PWR Fault	I/O ext.	10	-	154	AMC[5] - PWR Fault	I/O ext.	11	-
33	AMC[4] - PWR Oring	I/O ext.	11	-	155	AMC[5] - PWR Oring	I/O ext.	10	-
34	GND	-	-	-	156	GND	-	-	-
35	AMC[6] - PS1#	I/O ext.	12	-	157	AMC[7] - PS1#	I/O ext.	9	-
36	AMC[6] - Enable#	I/O ext.	13	-	158	AMC[7] - Enable#	I/O ext.	8	-
37	AMC[6] - IPMB-L Enable	I/O ext.	14	-	159	AMC[7] - IPMB-L Enable	I/O ext.	7	-
38	AMC[6] - MP Enable	I/O ext.	15	-	160	AMC[7] - MP Enable	I/O ext.	6	-
39	AMC[6] - PWR Enable	I/O ext.	0	-	161	AMC[7] - PWR Enable	I/O ext.	5	-
40	AMC[6] - MP Good	I/O ext.	1	-	162	AMC[7] - MP Good	I/O ext.	4	-
41	AMC[6] - PWR Good	I/O ext.	2	-	163	AMC[7] - PWR Good	I/O ext.	3	-
42	AMC[6] - MP Fault	I/O ext.	3	-	164	AMC[7] - MP Fault	I/O ext.	2	-
43	AMC[6] - PWR Fault	I/O ext.	4	-	165	AMC[7] - PWR Fault	I/O ext.	1	-
44	AMC[6] - PWR Oring	I/O ext.	5	-	166	AMC[7] - PWR Oring	I/O ext.	0	-
45	GND	-	-	-	167	GND	-	-	-
46	AMC[8] - PS1#	I/O ext.	6	-	168	IPMB-L SCL	-	-	-
47	AMC[8] - Enable#	I/O ext.	7	-	169	IPMB-L SDA	-	-	-
48	AMC[8] - IPMB-L Enable	I/O ext.	8	-	170	GND	-	-	-
49	AMC[8] - MP Enable	I/O ext.	9	-	171	Ethernet Tx+	Ethernet Phy.	-	-
50	AMC[8] - PWR Enable	I/O ext.	10	-	172	Ethernet Tx-	Ethernet Phy.	-	-
51	AMC[8] - MP Good	I/O ext.	11	-	173	GND	-	-	-
52	AMC[8] - PWR Good	I/O ext.	12	-	174	Ethernet Rx+	Ethernet Phy.	-	-
53	AMC[8] - MP Fault	I/O ext.	13	-	175	Ethernet Rx-	Ethernet Phy.	-	-
54	AMC[8] - PWR Fault	I/O ext.	14	-	176	GND	-	-	-
55	AMC[8] - PWR Oring	I/O ext.	15	-	177	NC	-	-	-
56	GND	-	-	-	178	NC	-	-	-
57	UART Tx	ARM Core	-	-	179	GND	-	-	-
58	NC	-	-	-	180	NC	-	-	-
59	GND	-	-	-	181	NC	-	-	-
60	UART Rx	ARM Core	-	-	182	GND	-	-	-
61	NC	-	-	-	183	Sensor I2C - SCL	ARM GPIO	6	-

Hardware		FPGAfirmware		Software	Hardware		FPGAfirmware		Software
Pin	Name	Module	Pin	Signal name	Pin	Name	Module	Pin	Signal name
62	GND	-	-	-	184	Sensor I2C - SDA	ARM GPIO	5	-
63	IPM I/O [0]	FPGA Core GPIO [3]	15	IPM_IO_0	185	GND	-	-	-
64	IPM I/O [1]	FPGA Core GPIO [3]	14	IPM_IO_1	186	IPM I/O [2]	FPGA Core GPIO [3]	13	IPM_IO_2
65	VCC			-	187	IPM I/O [3]	FPGA Core GPIO [3]	12	IPM_IO_3
66	IPM I/O [4]	FPGA Core GPIO [3]	11	IPM_IO_4	188	IPM I/O [6]	FPGA Core GPIO [3]	9	IPM_IO_6
67	IPM I/O [5]	FPGA Core GPIO [3]	10	IPM_IO_5	189	IPM I/O [7]	FPGA Core GPIO [3]	8	IPM_IO_7
68	VCC			-	190	GND	-	-	-
69	IPM I/O [8]	FPGA Core GPIO [3]	7	IPM_IO_8	191	IPM I/O [10]	FPGA Core GPIO [3]	5	IPM_IO_10
70	IPM I/O [9]	FPGA Core GPIO [3]	6	IPM_IO_9	192	IPM I/O [11]	FPGA Core GPIO [3]	4	IPM_IO_11
71	VCC			-	193	GND	-	-	-
72	IPM I/O [12]	FPGA Core GPIO [3]	3	IPM_IO_12	194	IPM I/O [14]	FPGA Core GPIO [3]	1	IPM_IO_14
73	IPM I/O [13]	FPGA Core GPIO [3]	2	IPM_IO_13	195	IPM I/O [15]	FPGA Core GPIO [3]	0	IPM_IO_15
74	VCC			-	196	GND	-	-	-
75	USER I/O [0]	FPGA Core GPIO [3]	16	USER_IO_0	197	USER I/O [2]	FPGA Core GPIO [3]	18	USER_IO_2
76	USER I/O [1]	FPGA Core GPIO [3]	17	USER_IO_1	198	USER I/O [3]	FPGA Core GPIO [3]	19	USER_IO_3
77	VCC			-	199	GND	-	-	-
78	USER I/O [4]	FPGA Core GPIO [3]	20	USER_IO_4	200	USER I/O [6]	FPGA Core GPIO [3]	22	USER_IO_6
79	USER I/O [5]	FPGA Core GPIO [5]	21	USER_IO_5	201	USER I/O [7]	FPGA Core GPIO [3]	23	USER_IO_7
80	VCC	-	-	-	202	GND	-	-	-
81	USER I/O [8]	FPGA Core GPIO [3]	24	USER_IO_8	203	USER I/O [10]	FPGA Core GPIO [3]	26	USER_IO_10
82	USER I/O [9]	FPGA Core GPIO [3]	25	USER_IO_9	204	USER I/O [11]	FPGA Core GPIO [3]	27	USER_IO_11
83	VCC	-	-	-	205	GND	-	-	-
84	USER I/O [12]	FPGA Core GPIO [3]	28	USER_IO_12	206	USER I/O [14]	FPGA Core GPIO [3]	30	USER_IO_14
85	USER I/O [13]	FPGA Core GPIO [3]	29	USER_IO_13	207	USER I/O [15]	FPGA Core GPIO [3]	31	USER_IO_15
86	VCC	-	-	-	208	GND	-	-	-
87	USER I/O [16]	FPGA Core GPIO [2]	0	USER_IO_16	209	USER I/O [18]	FPGA Core GPIO [2]	2	USER_IO_18
88	USER I/O [17]	FPGA Core GPIO [2]	1	USER_IO_17	210	USER I/O [19]	FPGA Core GPIO [2]	3	USER_IO_19
89	GND	-	-	-	211	GND	-	-	-
90	USER I/O [20]	FPGA Core GPIO [2]	4	USER_IO_20	212	USER I/O [21]	FPGA Core GPIO [2]	5	USER_IO_21
91	USER I/O [22]	FPGA Core GPIO [2]	6	USER_IO_22	213	USER I/O [23]	FPGA Core GPIO [2]	7	USER_IO_23
92	USER I/O [24]	FPGA Core GPIO [2]	8	USER_IO_24	214	USER I/O [25]	FPGA Core GPIO [2]	9	USER_IO_25
93	USER I/O [26]	FPGA Core GPIO [2]	10	USER_IO_26	215	USER I/O [27]	FPGA Core GPIO [2]	11	USER_IO_27
94	USER I/O [28]	FPGA Core GPIO [2]	12	USER_IO_28	216	USER I/O [29]	FPGA Core GPIO [2]	13	USER_IO_29
95	USER I/O [30]	FPGA Core GPIO [2]	14	USER_IO_30	217	USER I/O [31]	FPGA Core GPIO [2]	15	USER_IO_31
96	USER I/O [32]	FPGA Core GPIO [2]	16	USER_IO_32	218	USER I/O [33]	FPGA Core GPIO [2]	17	USER_IO_33
97	GND	-	-	-	219	GND	-	-	-
98	USER I/O [34]	FPGA Core GPIO [2]	18	USER_IO_34	220	Management I2C - SCL	ARM GPIO	9	-
99	NC	-	-	-	221	Management I2C - SDA	ARM GPIO	8	-
100	NC	-	-	-	222	GND	-	-	-
101	NC	-	-	-	223	Payload reset#			-
102	GND	-	-	-	224	Handle switch	FPGA Core GPIO [1]	9	CFG_HANDLE_SWITCH_SIGNAL
103	BLUE LED	FPGA Core GPIO [2]	30	-	225	12V enable	FPGA Core GPIO [2]	29	CFG_PAYLOAD_DCDC_EN_SIGNAL
104	Additional LED [0]	FPGA Core GPIO [2]	27	-	226	Alarm A	FPGA Core GPIO [1]	6	CFG_ALARM_A
105	Additional LED [1]	FPGA Core GPIO [2]	31	-	227	Alarm B	FPGA Core GPIO [1]	8	CFG_ALARM_B
106	Additional LED [2]	FPGA Core GPIO [2]	28	-	228	PowerGood A	FPGA Core GPIO [1]	13	CFG_PWRGOOD_A
107	GND	-	-	-	229	PowerGood B	FPGA Core GPIO [1]	11	CFG_PWRGOOD_B
108	JTAG Master - TRST	JTAG Module	-	-	230	GND	-	-	-
109	JTAG Master - TDO	JTAG Module	-	-	231	JTAG Master - TCK	JTAG Module	-	-
110	JTAG Master - TMS	JTAG Module	-	-	232	JTAG Master - TDI	JTAG Module	-	-
111	GND	-	-	-	233	GND	-	-	-
112	JTAG input - TDO	-	-	-	234	JTAG input - TCK	-	-	-
113	JTAG input - TMS	-	-	-	235	JTAG input - TDI	-	-	-
114	GND	-	-	-	236	GND	-	-	-
115	Hardware address [0]	FPGA Core GPIO [1]	0	-	237	Hardware address [1]	FPGA Core GPIO [1]	1	-
116	Hardware address [2]	FPGA Core GPIO [1]	2	-	238	Hardware address [3]	FPGA Core GPIO [1]	3	-
117	Hardware address [4]	FPGA Core GPIO [1]	4	-	239	Hardware address [5]	FPGA Core GPIO [1]	5	-
118	Hardware address [6]	ARM GPIO	18	-	240	Hardware address [7]	FPGA Core GPIO [1]	7	-
119	GND	-	-	-	241	GND	-	-	-
120	IPMB-A SCL	Internal I2C	-	-	242	IPMB-B SCL	Internal I2C	-	-
121	IPMB-A SDA	Internal I2C	-	-	243	IPMB-B SDA	Internal I2C	-	-
122	GND	-	-	-	244	GND	-	-	-