AM4310

Dual 10 GbE Advanced Mezzanine Card

Board Rev. 1

QUICK REFERENCE

Document version 1.2

CONNECTORS

J1	AMC Connector
JP3	Configuration Jumper
JP4	Reserved

JUMPER SETTINGS

(● Default Setting)

JP3 Pin 1-2 - RESERVED	
Reserved	in
● Reserved	out

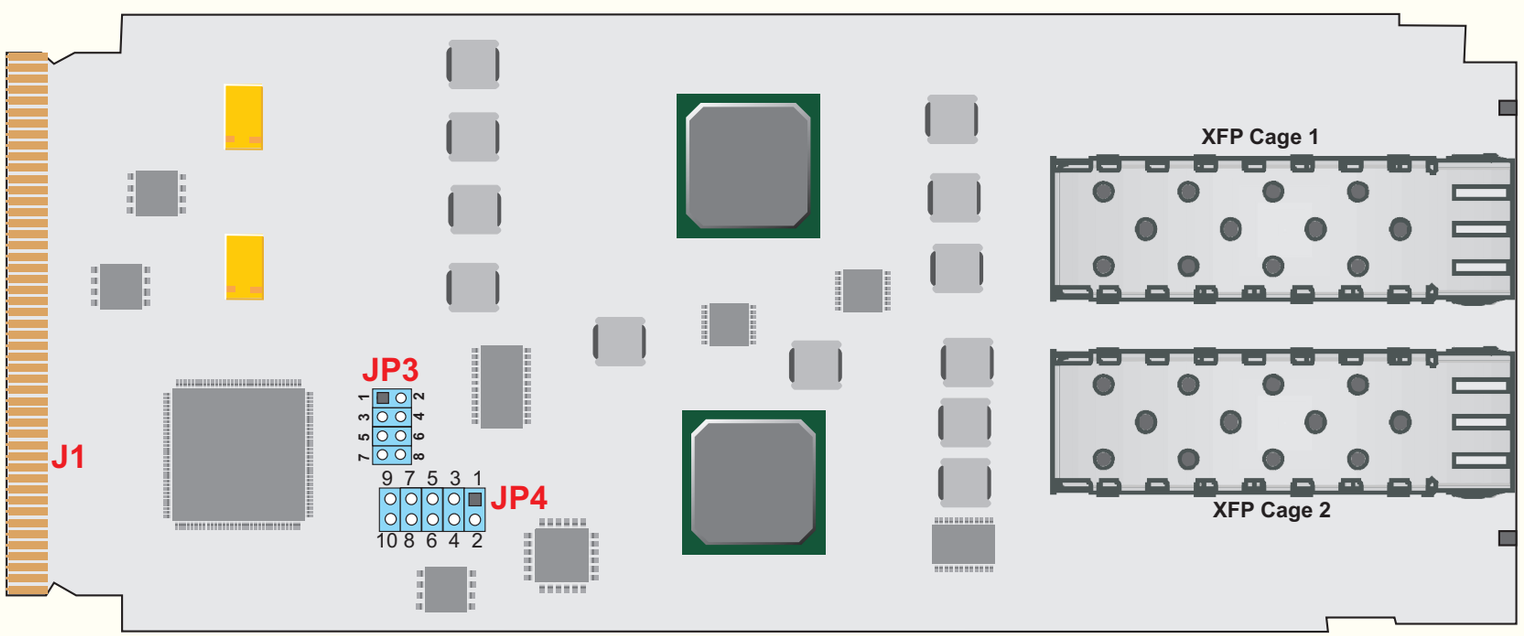
JP3 Pin 3-4 - JTAG	
Enabled	in
● Disabled	out

JP3 Pin 5-6 MMC Config Jumper 1	
Reserved	in
● Reserved	out

JP3 Pin 7-8 MMC Config Jumper 2	
Reserved	in
● Reserved	out

Symbols Chart

- Hot Swap
- Out Of Service
- Healthy



Connector Pinouts

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ATCA LEDs Significations		
LED	**Colour**	**Functional Description**
Hot Swap	Blue	On when board is ready to be hot swapped. Short Blink during 'deactivation in progress'. Long Blink during 'activation in progress'.
Out Of Service	Red	On when MMC is not working or payload power not granted (controlled by FWUM). Blinking during F/W upgrade.
Healthy	Green / Amber	Green when MMC is active and all sen-sors are within limits. Amber when one or more sensors are out of inner limit.
XFP1 Link LED	Green	Data link established on XFP1
XFP2 Link LED	Green	Data link established on XFP2

J1 - AMC Connector

B1	GND	B43	GND	B86	GND	B129	RxD15-(N.C.)
B2	12V	B44	PHY1_XG_TX0+	B87	PHY2_XG_RX0-	B130	RxD15+(N.C.)
B3	PS1#	B45	PHY1_XG_TX0-	B88	PHY2_XG_RX0+	B131	GND
B4	MP_3V3	B46	GND	B89	GND	B132	TxD15-(N.C.)
B5	GA0	B47	PHY1_XG_RX0+	B90	PHY2_XG_TX0-	B133	TxD15+(N.C.)
B6	RSV	B48	PHY1_XG_RX0-	B91	PHY2_XG_TX0+	B134	GND
B7	GND	B49	GND	B92	GND	B135	RxD16-(N.C.)
B8	RSV	B50	PHY1_XG_TX1+	B93	PHY2_XG_RX1-	B136	RxD16+(N.C.)
B9	12V	B51	PHY1_XG_TX1-	B94	PHY2_XG_RX1+	B137	GND
B10	GND	B52	GND	B95	GND	B138	TxD16-(N.C.)
B11	TxD0+(N.C.)	B53	PHY1_XG_RX1+	B96	PHY2_XG_TX1-	B139	TxD16+(N.C.)
B12	TxD0-(N.C.)	B54	PHY1_XG_RX1-	B97	PHY2_XG_TX1+	B140	GND
B13	GND	B55	GND	B98	GND	B141	RxD17-(N.C.)
B14	RxD0+(N.C.)	B56	IPMI_CLK	B99	PHY2_XG_RX2-	B142	RxD17+(N.C.)
B15	RxD0-(N.C.)	B57	12V	B100	PHY2_XG_RX2+	B143	GND
B16	GND	B58	GND	B101	GND	B144	TxD17-(N.C.)
B17	GA1	B59	PHY1_XG_TX2+	B102	PHY2_XG_TX2-	B145	TxD17+(N.C.)
B18	12V	B60	PHY1_XG_TX2-	B103	PHY2_XG_TX2+	B146	GND
B19	GND	B61	GND	B104	GND	B147	RxD18-(N.C.)
B20	TxD1+(N.C.)	B62	PHY1_XG_RX2+	B105	PHY2_XG_RX3-	B148	RxD18+(N.C.)
B21	TxD1-(N.C.)	B63	PHY1_XG_RX2-	B106	PHY2_XG_RX3+	B149	GND
B22	GND	B64	GND	B107	GND	B150	TxD18-(N.C.)
B23	RxD1+(N.C.)	B65	PHY1_XG_TX3+	B108	PHY2_XG_TX3-	B151	TxD18+(N.C.)
B24	RxD1-(N.C.)	B66	PHY1_XG_TX3-	B109	PHY2_XG_TX3+	B152	GND
B25	GND	B67	GND	B110	GND	B153	RxD19-(N.C.)
B26	GA2	B68	PHY1_XG_RX3+	B111	MDIO	B154	RxD19+(N.C.)
B27	12V	B69	PHY1_XG_RX3-	B112	MDC	B155	GND
B28	GND	B70	GND	B113	GND	B156	TxD19-(N.C.)
B29	TxD2+(N.C.)	B71	IPMI_DATA	B114	TxD12-(N.C.)	B157	TxD19+(N.C.)
B30	TxD2-(N.C.)	B72	12V	B115	TxD12+(N.C.)	B158	GND
B31	GND	B73	GND	B116	GND	B159	RxD20-(N.C.)
B32	RxD2+(N.C.)	B74	CLK1+(N.C.)	B117	RxD13-(N.C.)	B160	RxD20+(N.C.)
B33	RxD2-(N.C.)	B75	CLK1-(N.C.)	B118	RxD13+(N.C.)	B161	GND
B34	GND	B76	GND	B119	GND	B162	TxD20-(N.C.)
B35	TxD3+(N.C.)	B77	CLK2+(N.C.)	B120	TxD13-(N.C.)	B163	TxD20+(N.C.)
B36	TxD3-(N.C.)	B78	CLK2-(N.C.)	B121	TxD13+(N.C.)	B164	GND
B37	GND	B79	GND	B122	GND	B165	TCK
B38	RxD3+(N.C.)	B80	CLK3+(N.C.)	B123	RxD14-(N.C.)	B166	TMS
B39	RxD3-(N.C.)	B81	CLK3-(N.C.)	B124	RxD14+(N.C.)	B167	TRST#
B40	GND	B82	GND	B125	GND	B168	TDO
B41	ENABLE#	B83	PS0#	B126	TxD14-(N.C.)	B169	TDI
B42	12V	B84	12V	B127	TxD14+(N.C.)	B170	GND
		B85	GND	B128	GND		

The Quick Reference Sheet can be downloaded from the Kontron web site at:
http://www.kontron.com
or from Kontron FTP site at:
ftp://ftp.kontron.ca/Support/

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