AM4300

Quad GbE Advanced Mezzanine Card

kontron

Board Rev. 1

QUICK REFERENCE

Document version 1.1

Symbols Chart

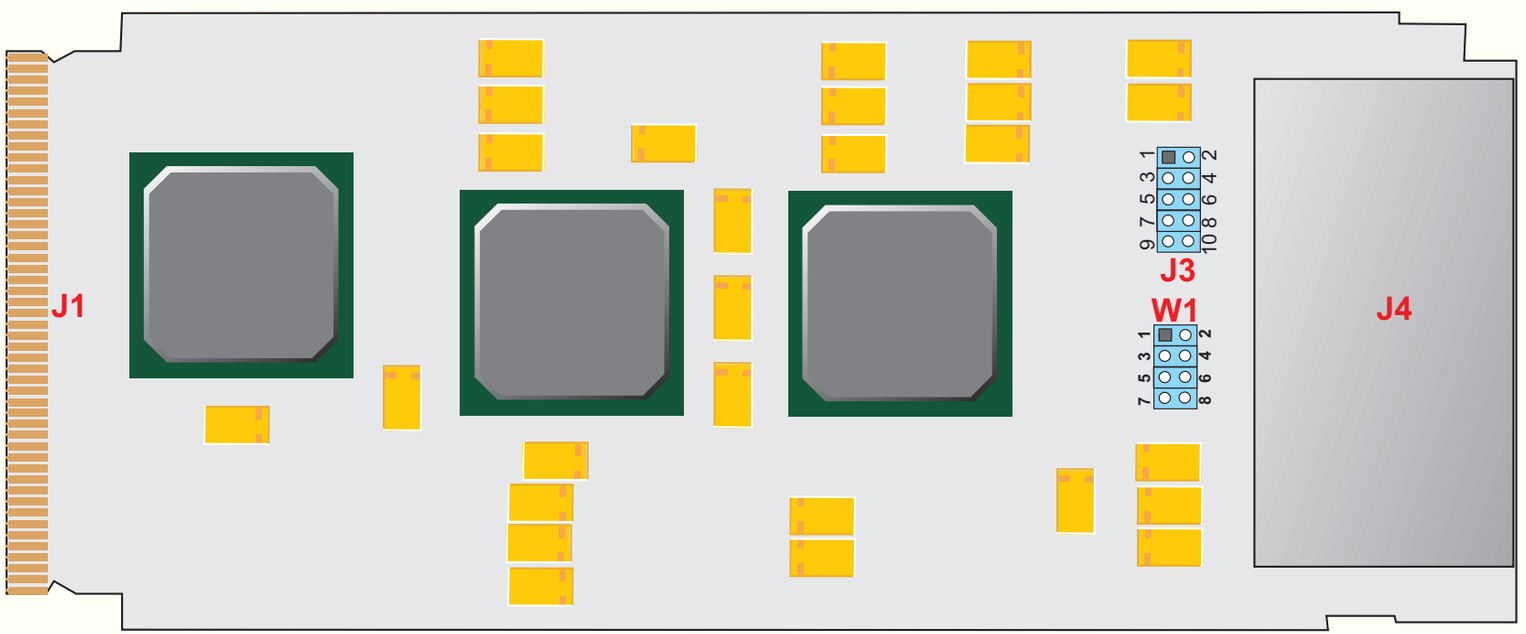
- Hot Swap
- Out Of Service
- Healthy
- Management Led (IPMC)

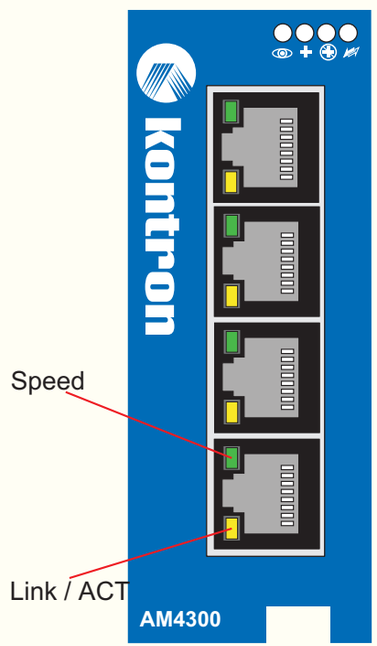
CONNECTORS

J1	AMC Connector
J3	Manufacturing Connector (Reserved)
J4	Ethernet Connectors

LEDs Significations

Name	Color	Usage
Link	Amber	Turned ON if link is established. Blink when there is trafic.
Speed	Amber / Green	Amber = 1 Gbit, Green = 100 Mbit, OFF = 10 Mbit





Connector Pinouts

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J4A, B, C, D - Ethernet			
◇ 10/100/1000 LAN A, LAN B			
1	DA+	5	DC-
2	DA-	6	DB-
3	DB+	7	DD+
4	DC+	8	DD-

◇ J1 - AMC Connector

B1	GND	B43	GND	B86	GND	B129	TxD15-(N.C.)
B2	12V	B44	RxD4+	B87	TxD8-	B130	TxD15+(N.C.)
B3	PS1#	B45	RxD4-	B88	TxD8+	B131	GND
B4	MP_3V3	B46	GND	B89	GND	B132	RxD15-(N.C.)
B5	GA0	B47	TxD4+	B90	RxD8-	B133	RxD15+(N.C.)
B6	RSV	B48	TxD4-	B91	RxD8+	B134	GND
B7	GND	B49	GND	B92	GND	B135	TxD16-(N.C.)
B8	RSV	B50	RxD5+	B93	TxD9-	B136	TxD16+(N.C.)
B9	12V	B51	RxD5-	B94	TxD9+	B137	GND
B10	GND	B52	GND	B95	GND	B138	RxD16-(N.C.)
B11	RxD0+(N.C.)	B53	TxD5+	B96	RxD9-	B139	RxD16+(N.C.)
B12	RxD0-(N.C.)	B54	TxD5-	B97	RxD9+	B140	GND
B13	GND	B55	GND	B98	GND	B141	TxD17-(N.C.)
B14	TxD0+(N.C.)	B56	IPMI_CLK	B99	TxD10-	B142	TxD17+(N.C.)
B15	TxD0- (N.C.)	B57	12V	B100	TxD10+	B143	GND
B16	GND	B58	GND	B101	GND	B144	RxD17-(N.C.)
B17	GA1	B59	RxD6+	B102	RxD10-	B145	RxD17+(N.C.)
B18	12V	B60	RxD6-	B103	RxD10+	B146	GND
B19	GND	B61	GND	B104	GND	B147	TxD18-(N.C.)
B20	RxD1+(N.C.)	B62	TxD6+	B105	TxD11-	B148	TxD18+(N.C.)
B21	RxD1- (N.C.)	B63	TxD6-	B106	TxD11+	B149	GND
B22	GND	B64	GND	B107	GND	B150	RxD18-(N.C.)
B23	TxD1+(N.C.)	B65	RxD7+	B108	RxD11-	B151	RxD18+(N.C.)
B24	TxD1-(N.C.)	B66	RxD7-	B109	RxD11+	B152	GND
B25	GND	B67	GND	B110	GND	B153	TxD19-(N.C.)
B26	GA2	B68	TxD7+	B111	TxD12-(N.C.)	B154	TxD19+(N.C.)
B27	12V	B69	TxD7-	B112	TxD12+(N.C.)	B155	GND
B28	GND	B70	GND	B113	GND	B156	RxD19-(N.C.)
B29	RxD2+(N.C.)	B71	IPMI_DATA	B114	RxD12-(N.C.)	B157	RxD19+(N.C.)
B30	RxD2-(N.C.)	B72	12V	B115	RxD12+(N.C.)	B158	GND
B31	GND	B73	GND	B116	GND	B159	TxD20-(N.C.)
B32	TxD2+(N.C.)	B74	CLKA+(N.C.)	B117	TxD13-(N.C.)	B160	TxD20+(N.C.)
B33	TxD2-(N.C.)	B75	CLKA-(N.C.)	B118	TxD13+(N.C.)	B161	GND
B34	GND	B76	GND	B119	GND	B162	RxD20-(N.C.)
B35	RxD3+(N.C.)	B77	CLKB+(N.C.)	B120	RxD13-(N.C.)	B163	RxD20+(N.C.)
B36	RxD3-(N.C.)	B78	CLKB-(N.C.)	B121	RxD13+(N.C.)	B164	GND
B37	GND	B79	GND	B122	GND	B165	TCLK
B38	TxD3+(N.C.)	B80	REFCLK+	B123	TxD14-(N.C.)	B166	TMS
B39	TxD3-(N.C.)	B81	REFCLK-	B124	TxD14+(N.C.)	B167	TRST#
B40	GND	B82	GND	B125	GND	B168	TDO
B41	ENABLE#	B83	PS0#	B126	RxD14-(N.C.)	B169	TDI
B42	12V	B84	12V	B127	RxD14+(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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