

» AM4211 Quick Reference Sheet «

Connectors

- J3 Serial Port Connector
- J4 SFP+ Connector
- J5 DDR3 Memory Socket SO-DIMM ECC
- J6 eUSB Flash Connector
- J8 AMC Gold Fingers





Jumper Settings

- JP1 Reserved

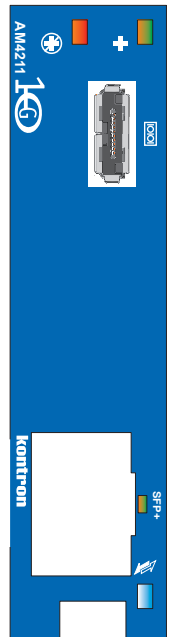
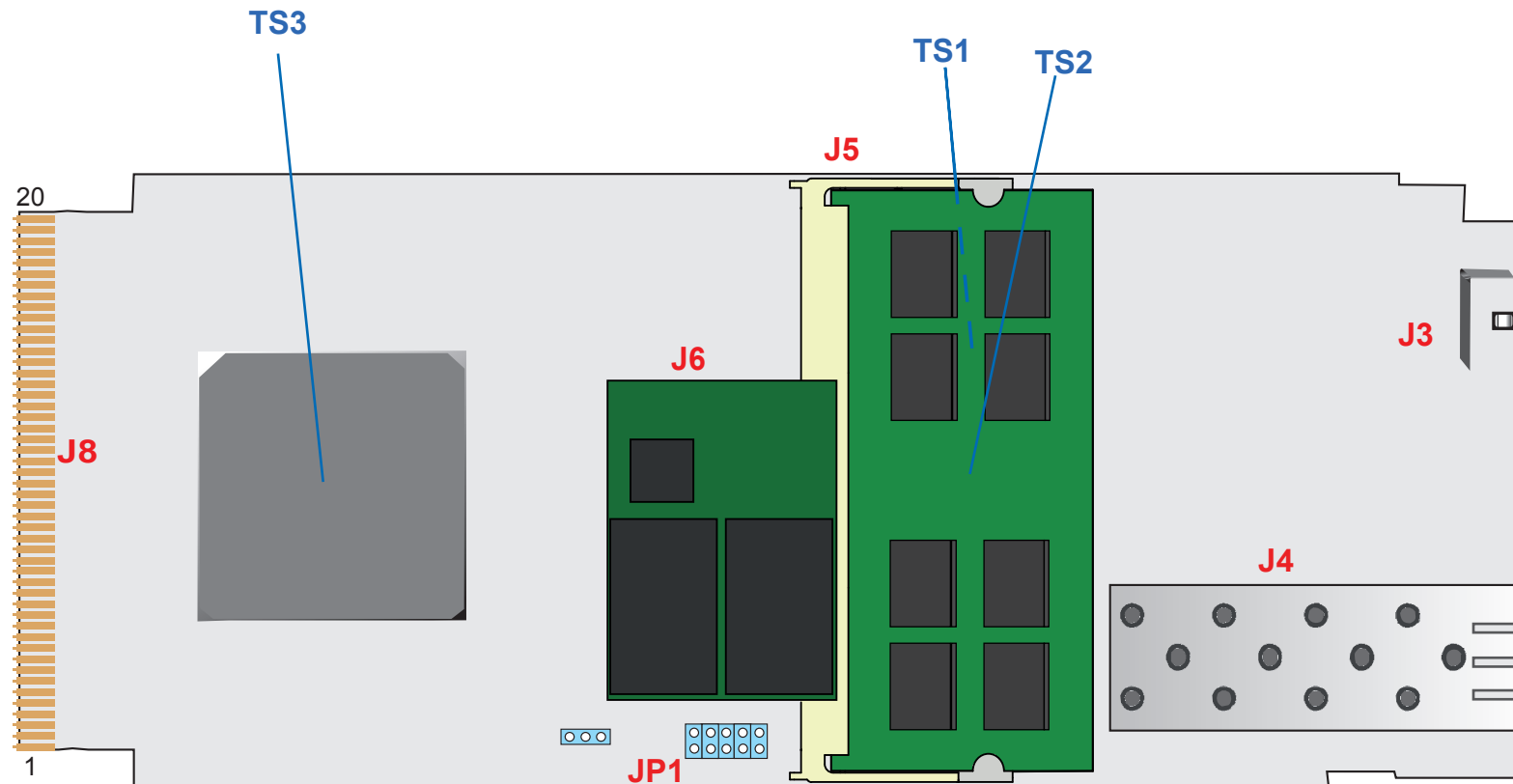
Temperature Sensors

- TS1 Top Side Sensor
- TS2 SO-DIMM Sensor
- TS3 Cavium Internal Sensor

Symbols Chart

-  Hot Swap
-  Out of Service
-  Healthy
-  Serial Port (RJ45)

LEDs Signification available on back.



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J3 - Low Profile Serial Port Connector

1	N.C.	6	DSR
2	RXD	7	RTS
3	TXD	8	CTS
4	DTR	9	N.C.
5	GND	10	N.C.

J6 - eUSB Flash Drive

1	VCC	6	N.C.
2	N.C.	7	GND
3	USB_DATA-	8	N.C.
4	N.C.	9	N.C. (Key)
5	USB_DATA+	10	N.C.

J8 - AMC Connector

B1	GND	B43	GND	B86	GND	B129	RxD15-
B2	12V	B44	TxD4+	B87	RxD8-	B130	RxD15+
B3	PS1#	B45	TxD4-	B88	RxD8+	B131	GND
B4	MP_3V3	B46	GND	B89	GND	B132	TxD15-
B5	GA0	B47	RxD4+	B90	TxD8-	B133	TxD15+
B6	RSV	B48	RxD4-	B91	TxD8+	B134	GND
B7	GND	B49	GND	B92	GND	B135	TCLKC-
B8	RSV	B50	TxD5+	B93	RxD9-	B136	TCLKC+
B9	12V	B51	TxD5-	B94	RxD9+	B137	GND
B10	GND	B52	GND	B95	GND	B138	TCLKD-(N.C.)
B11	TxD0+	B53	RxD5+	B96	TxD9-	B139	TCLKD+(N.C.)
B12	TxD0-	B54	RxD5-	B97	TxD9+	B140	GND
B13	GND	B55	GND	B98	GND	B141	RxD17-(N.C.)
B14	RxD0+	B56	IPMI_CLK	B99	RxD10-	B142	RxD17+(N.C.)
B15	RxD0-	B57	12V	B100	RxD10+	B143	GND
B16	GND	B58	GND	B101	GND	B144	TxD17-(N.C.)
B17	GA1	B59	TxD6+	B102	TxD10-	B145	TxD17+(N.C.)
B18	12V	B60	TxD6-	B103	TxD10+	B146	GND
B19	GND	B61	GND	B104	GND	B147	RxD18-(N.C.)
B20	TxD1+	B62	RxD6+	B105	RxD11-	B148	RxD18+(N.C.)
B21	TxD1-	B63	RxD6-	B106	RxD11+	B149	GND
B22	GND	B64	GND	B107	GND	B150	TxD18-(N.C.)
B23	RxD1+	B65	TxD7+	B108	TxD11-	B151	TxD18+(N.C.)
B24	RxD1-	B66	TxD7-	B109	TxD11+	B152	GND
B25	GND	B67	GND	B110	GND	B153	RxD19-(N.C.)
B26	GA2	B68	RxD7+	B111	RxD12-(N.C.)	B154	RxD19+(N.C.)
B27	12V	B69	RxD7-	B112	RxD12+(N.C.)	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	TCLKA+	B117	RxD13-(N.C.)	B160	RxD20+(N.C.)
B33	RxD2-(N.C.)	B75	TCLKA-	B118	RxD13+(N.C.)	B161	GND
B34	GND	B76	GND	B119	GND	B162	TxD20-(N.C.)
B35	TxD3+(N.C.)	B77	TCLKB+(N.C.)	B120	TxD13-(N.C.)	B163	TxD20+(N.C.)
B36	TxD3-(N.C.)	B78	TCLKB-(N.C.)	B121	TxD13+(N.C.)	B164	GND
B37	GND	B79	GND	B122	GND	B165	TCK
B38	RxD3+(N.C.)	B80	FCLKA+	B123	RxD14-(N.C.)	B166	TMS
B39	RxD3-(N.C.)	B81	FCLKA-	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		

Front Port Assignment

SFP+	Connection
«SFP»	1 GbE
«SFP+»	10 GbE xauri

AMC Port Assignment

Port	Region	Connection
0	GbE	GbE eth0
1	GbE	GbE eth1
2	Storage	-
3	Storage	-
4	Fat Pipe	PCle / SRIIO Port 0 (Lane 0)
5	Fat Pipe	PCle / SRIIO Port 0 (Lane 1)
6	Fat Pipe	PCle / SRIIO Port 0 (Lane 2)
7	Fat Pipe	PCle / SRIIO Port 0 (Lane 3)
8	PCle	XAUI / SGMII Port 1 (Lane 0)
9	PCle	XAUI / SGMII Port 1 (Lane 1)
10	PCle	XAUI / SGMII Port 1 (Lane 2)
11	PCle	XAUI / SGMII Port 1 (Lane 3)
12	Extended	-
13	Extended	-
14	Extended	-
15	Extended	RS232
16	Extended	-
17	Extended	-
18	Extended	-
19	Extended	-
20	Extended	-
TCLKA	Clock	From Backplane
TCLKB	Clock	-
TCLKC	Clock	From Backplane
TCLKD	Clock	-
FCLKA	Clock	PCle Reference Clock

J4 - SFP+ Connector

1	VeeT	11	VeeR
2	TX_Fault	12	RD-
3	TX_Disable	13	RD+
4	SDA	14	VeeR
5	SCL	15	VccR
6	MOD-ABS	16	VccT
7	Rate Select 0	17	VeeT
8	RX_LOS	18	TD+
9	Rate Select 1	19	TD-
10	VeeR	20	VeeT

LEDs Significations

Hot Swap (Blue)

Solid On (100 % on) : FRU Inactive
 Long Blink (90 % on) : FRU Activation Request
 Solid Off (0 % on) : FRU Activation In Progress / FRU Active
 Short Blink (10 % on) : FRU Deactivation Request / FRU Deactivation In Progress

Out Of Service (Red/Amber) [default : Red]

Solid On : MMC in reset
 Fast Blink (~50 % on) : MMC upgrade/rollback in progress
 Application Defined : May be controlled by application using PICMG API

Health LED (Amber/Green) [default : Green]

Off : Payload power down
 Green : Health Ok
 Amber : Health Error (Critical)
 Application Defined : May be controlled by application using PICMG API

SFP+ LED (Green)

Green On : Link 10Gbit
 Green Blink : Activity 10Gbit

Support / Download

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The Quick Reference Sheet can be downloaded from the Kontron web site at:
<http://www.kontron.com>