AT8902

AdvancedTCA Hub Board with Base & Fabric Interface and 2 AMC Slots

kontron

Board Rev. 3

QUICK REFERENCE

Document version 1.3

CONNECTORS

J5	AMC B1	J20	ATCA Zone 2
J12	AMC B2	J21	ATCA Zone 2
J36	Ethernet Management	J22	ATCA Zone 2
J37	Serial Port	J23	ATCA Zone 2
J27	Base/Fabric Uplink	J24	ATCA Zone 2
SW1	Reset	J30	ATCA Zone 3 (RTM Connector)
SW2	LED Toggle	J31	ATCA Zone 3 (RTM Connector)
P10	ATCA Power (Zone 1)		

JUMPER SETTINGS

(● Default Setting)

FWPD - Flash Write Enable	
Write Enable	in
● Write Protect	out

IPMC0 - Front Board IPMI Override	
ShMC Bypass	in
● Normal Operation	out

IPMC1 - AMC IPMI Override	
ShMC Bypass	in
● Normal Operation	out

JTAG_AMC - AMC JTAG Integration	
Included in JTAG Chain	in
● Excluded from JTAG Chain	out

JTAG_IPMC - IPMC JTAG	
Restrict JTAG to IPMC	in
● Normal JTAG Operation	out

Symbols Chart

- Out Of Service
- Hot Swap
- Ethernet
- Heart Beat
- Healthy
- Serial Port

LEDs Signification

Ethernet Management

Speed LED (yellow)

OFF 10 Base-T
ON 100 Base-Tx

Status LED (green)

OFF Link Down
ON Link Up and no activity
BLINK Link Up and activity

Fabric and Base Uplink

Speed LED (yellow)

OFF 10 Base-T
BLINK 100 Base-Tx
ON 1000 Base-T

Status LED (green)

OFF Link Down
ON Link Up and no activity
BLINK Link Up and activity

User LEDs

User LED4
- Fabric Switch LEDs selected

User LED3
- Operational
- Initiation
- Fabric Switch Error

User LED2
- Base Switch LEDs selected

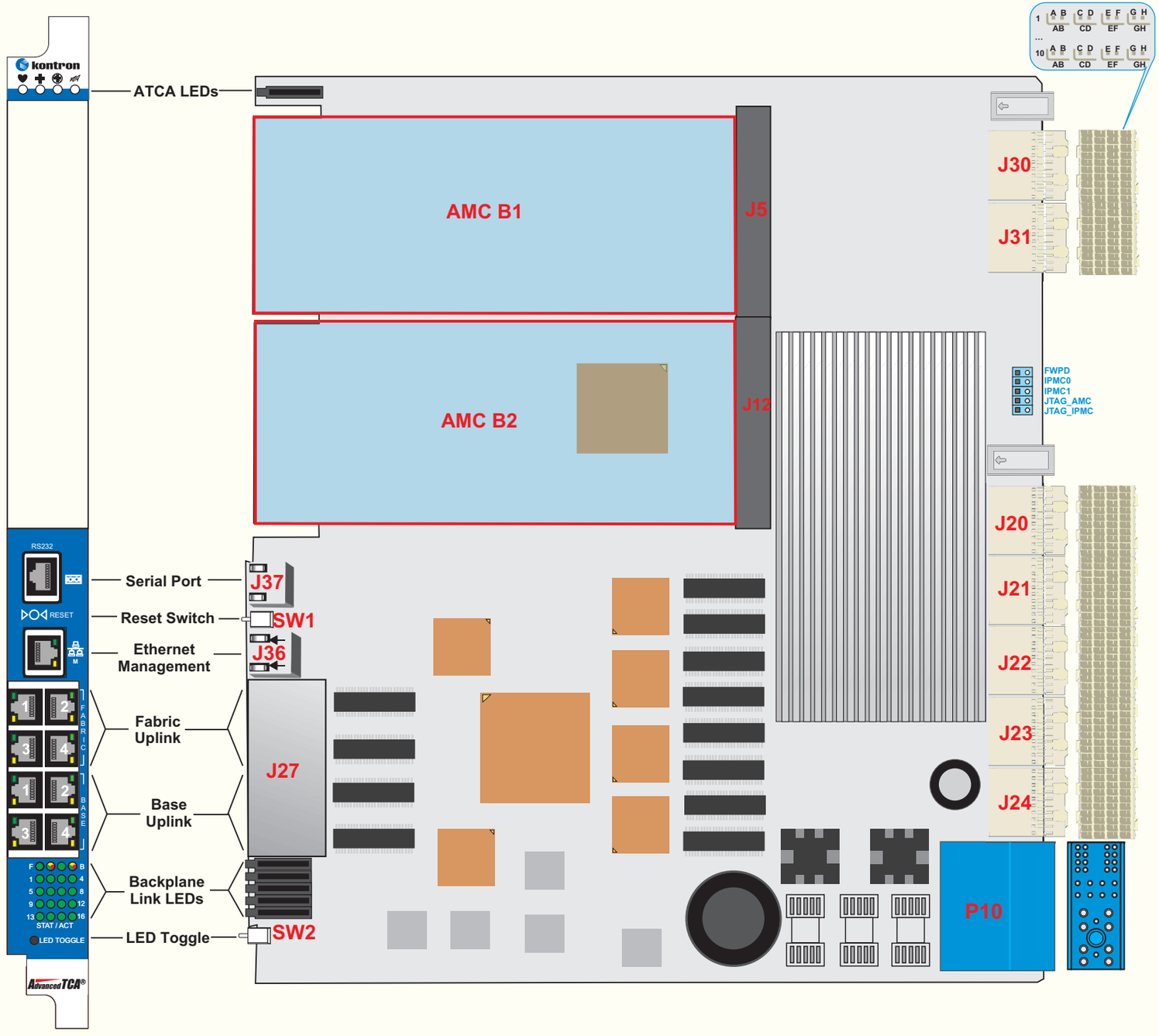
User LED1
- Operational
- Initiation
- Base Switch Error

User LED4 User LED3 User LED2 User LED1

F B
1 4
5 8
9 12
13 16
STAT / ACT

LED Toggle Push Button Usage

Changes display status between base and fabric ports



Connector Pinouts

AT8902

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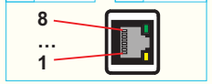
J36 - Ethernet (RJ-45)

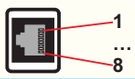
10/100 Management LAN

1	TX+	5	N.C.
2	TX-	6	RX-
3	RX+	7	N.C.
4	N.C.	8	N.C.



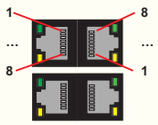
J37 - Serial Port (RJ-45)

1	RTS	5	GND
2	DTR	6	RXD
3	TXD	7	DSR
4	GND	8	CTS



J27 - Base/Fabric Uplink (RJ-45)

1	DB+	5	DD-
2	DB-	6	DA-
3	DA+	7	DC+
4	DD+	8	DC-



P10 - Power (Zone 1)

1	N.C.	2	N.C.
3	N.C.	4	N.C.
5	HA0	6	HA1
7	HA2	8	HA3
9	HA4	10	HA5
11	HA6	12	HA7/P
13	SCL_A	14	SDA_A
15	SCL_B	16	SDA_B
17	MT1_TIP(N.C.)	18	MT2_TIP(N.C.)
19	RING_A(N.C.)	20	RING_B(N.C.)
21	MT1_RING(N.C.)	22	MT2_RING(N.C.)
23	RRTN_A(N.C.)	24	RRTN_B(N.C.)
25	**SHELF_GND**	26	**LOGIC_GND**
27	ENABLE_B	28	VRTN_A
29	VRTN_B	30	EARLY_A
31	EARLY_B	32	ENABLE_A
33	-48V_A	34	-48V_B

AMC B1 Channel Assignment

Channel	Region	Connection
0	GbE	Local Base Switch 0/21
1	GbE	Remote Base Switch 0/22
2	SATA/FC	AMC B2, channel 2
3	SATA/FC	RTM, STOR0
4	Fabric	10GbE Uplink 0/27[0]
5	Fabric	10GbE Uplink 0/27[1]
6	Fabric	10GbE Uplink 0/27[2]
7	Fabric	10GbE Uplink 0/27[3]
8	Fabric	10GbE Uplink 0/28[0]
9	Fabric	10GbE Uplink 0/28[1]
10	Fabric	10GbE Uplink 0/28[2]
11	Fabric	10GbE Uplink 0/28[3]
12	-	-
13	Extended	RTM, AMC_B1_P13
14	Extended	RTM, AMC_B1_P14
15	Extended	RTM, AMC_B1_P15
16	Extended	RTM, AMC_B1_P16
17	Extended	RTM, AMC_B1_P17
18	Extended	RTM, AMC_B1_P18
19	Extended	RTM, AMC_B1_P19
20	Extended	RTM, AMC_B1_P20

AMC B2 Channel Assignment

Channel	Region	Connection
0	GbE	Local Base Switch 0/23
1	GbE	-
2	SATA/FC	AMC B1, channel 2
3	SATA/FC	RTM, STOR1
4	Fabric	10GbE Uplink 0/25[0]
5	Fabric	10GbE Uplink 0/25[1]
6	Fabric	10GbE Uplink 0/25[2]
7	Fabric	10GbE Uplink 0/25[3]
8	Fabric	10GbE Uplink 0/26[0]
9	Fabric	10GbE Uplink 0/26[1]
10	Fabric	10GbE Uplink 0/26[2]
11	Fabric	10GbE Uplink 0/26[3]
12	-	-
13	Extended	-
14	Extended	-
15	Extended	-
16	Extended	-
17	Extended	RTM, AMC_B2_P17
18	Extended	RTM, AMC_B2_P18
19	Extended	RTM, AMC_B2_P19
20	Extended	RTM, AMC_B2_P20

Base Interface Port Mapping

CLI ID	Channel	LED
0/1	Uplink 1	-
0/2	Uplink 2	-
0/3	Uplink 3	-
0/4	Uplink 4	-
0/5	16	16
0/6	15	15
0/7	14	14
0/8	13	13
0/9	12	12
0/10	11	11
0/11	10	10
0/12	9	9
0/13	8	8
0/14	7	7
0/15	6	6
0/16	5	5
0/17	4	4
0/18	3	3
0/19	2	2
0/20	SMCA	1
0/21	Local AMC B1, channel 0	-
0/22	Remote AMC B1, channel 1	-
0/23	Local AMC B2, channel 0	-
0/24	SMCB	1

Fabric Interface Port Mapping

CLI ID	Channel	Port	LED
0/1	Uplink 1	-	-
0/2	Uplink 2	-	-
0/3	Uplink 3	-	-
0/4	Uplink 4	-	-
0/5	1	0	2
0/6	1	1	2
0/7	2	0	3
0/8	2	1	3
0/9	3	0	4
0/10	3	1	4
0/11	4	0	5
0/12	4	1	5
0/13	5	0	6
0/14	5	1	6
0/15	6	0	7
0/16	7	0	8
0/17	8	0	9
0/18	9	0	10
0/19	10	0	11
0/20	11	0	12
0/21	12	0	13
0/22	13	0	14
0/23	14	0	15
0/24	15	0	16
0/25	10 GbE Uplink (optional)		
0/26	10 GbE Uplink (optional)		
0/27	10 GbE Uplink (optional)		
0/28	10 GbE Uplink (optional)		

J5, J12 - AMC B1 & AMC B2

B1	GND	B43	GND	B86	GND	B129	TxD15-
B2	12V	B44	RxD4+	B87	TxD8-	B130	TxD15+
B3	PS1#	B45	RxD4-	B88	TxD8+	B131	GND
B4	MP_3V3	B46	GND	B89	GND	B132	RxD15-
B5	GA0	B47	TxD4+	B90	RxD8-	B133	RxD15+
B6	RSV	B48	TxD4-	B91	RxD8+	B134	GND
B7	GND	B49	GND	B92	GND	B135	TxD16-
B8	RSV	B50	RxD5+	B93	TxD9-	B136	TxD16+
B9	12V	B51	RxD5-	B94	TxD9+	B137	GND
B10	GND	B52	GND	B95	GND	B138	RxD16-
B11	RxD0+	B53	TxD5+	B96	RxD9-	B139	RxD16+
B12	RxD0-	B54	TxD5-	B97	RxD9+	B140	GND
B13	GND	B55	GND	B98	GND	B141	TxD17-
B14	TxD0+	B56	IPMI_CLK	B99	TxD10-	B142	TxD17+
B15	TxD0-	B57	12V	B100	TxD10+	B143	GND
B16	GND	B58	GND	B101	GND	B144	RxD17-
B17	GA1	B59	RxD6+	B102	RxD10-	B145	RxD17+
B18	12V	B60	RxD6-	B103	RxD10+	B146	GND
B19	GND	B61	GND	B104	GND	B147	TxD18-
B20	RxD1+	B62	TxD6+	B105	TxD11-	B148	TxD18+
B21	RxD1-	B63	TxD6-	B106	TxD11+	B149	GND
B22	GND	B64	GND	B107	GND	B150	RxD18-
B23	TxD1+	B65	RxD7+	B108	RxD11-	B151	RxD18+
B24	TxD1-	B66	RxD7-	B109	RxD11+	B152	GND
B25	GND	B67	GND	B110	GND	B153	TxD19-
B26	GA2	B68	TxD7+	B111	TxD12-	B154	TxD19+
B27	12V	B69	TxD7-	B112	TxD12+	B155	GND
B28	GND	B70	GND	B113	GND	B156	RxD19-
B29	RxD2+	B71	IPMI_DATA	B114	RxD12-(N.C.)	B157	RxD19+
B30	RxD2-	B72	12V	B115	RxD12+(N.C.)	B158	GND
B31	GND	B73	GND	B116	GND	B159	TxD20-
B32	TxD2+	B74	CLKA+	B117	TxD13-	B160	TxD20+
B33	TxD2-	B75	CLKA-	B118	TxD13+	B161	GND
B34	GND	B76	GND	B119	GND	B162	RxD20-
B35	RxD3+	B77	CLKB+	B120	RxD13-	B163	RxD20+
B36	RxD3-	B78	CLKB-	B121	RxD13+	B164	GND
B37	GND	B79	GND	B122	GND	B165	TCK
B38	TxD3+	B80	CLKC+	B123	TxD14-	B166	TMS
B39	TxD3-	B81	CLKC-	B124	TxD14+	B167	TRST#
B40	GND	B82	GND	B125	GND	B168	TDO
B41	ENABLE#	B83	PS0#(GND)	B126	RxD14-	B169	TDI
B42	12V	B84	12V	B127	RxD14+	B170	GND
		B85	GND	B128	GND		

J20 - ATCA Zone 2

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	CLK1A+	GND	CLK1A-	CLK1B+	GND	CLK1B-	CLK2A+	GND	CLK2A-	CLK2B+	GND	CLK2B-
2	Tx4(UP)+(N.C.)	GND	Tx4(UP)-(N.C.)	Rx4(UP)+(N.C.)	GND	Rx4(UP)-(N.C.)	CLK3A+	GND	CLK3A-	CLK3B+	GND	CLK3B-
3	Tx2(UP)+(N.C.)	GND	Tx2(UP)-(N.C.)	Rx2(UP)+	GND	Rx2(UP)-	Tx3(UP)+	GND	Tx3(UP)-	Rx3(UP)+(N.C.)	GND	Rx3(UP)-(N.C.)
4	Tx0(UP)+	GND	Tx0(UP)-	Rx0(UP)+	GND	Rx0(UP)-	Tx1(UP)+	GND	Tx1(UP)-	Rx1(UP)+	GND	Rx1(UP)-
5	Tx2[15]+	GND	Tx2[15]-	Rx2[15]+	GND	Rx2[15]-	Tx3[15]+	GND	Tx3[15]-	Rx3[15]+	GND	Rx3[15]-
6	Tx0[15]+	GND	Tx0[15]-	Rx0[15]+	GND	Rx0[15]-	Tx1[15]+	GND	Tx1[15]-	Rx1[15]+	GND	Rx1[15]-
7	Tx2[14]+	GND	Tx2[14]-	Rx2[14]+	GND	Rx2[14]-	Tx3[14]+	GND	Tx3[14]-	Rx3[14]+	GND	Rx3[14]-
8	Tx0[14]+	GND	Tx0[14]-	Rx0[14]+	GND	Rx0[14]-	Tx1[14]+	GND	Tx1[14]-	Rx1[14]+	GND	Rx1[14]-
9	Tx2[13]+	GND	Tx2[13]-	Rx2[13]+	GND	Rx2[13]-	Tx3[13]+	GND	Tx3[13]-	Rx3[13]+	GND	Rx3[13]-
10	Tx0[13]+	GND	Tx0[13]-	Rx0[13]+	GND	Rx0[13]-	Tx1[13]+	GND	Tx1[13]-	Rx1[13]+	GND	Rx1[13]-

J21 - ATCA Zone 2

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	Tx2[12]+	GND	Tx2[12]-	Rx2[12]+	GND	Rx2[12]-	Tx3[12]+	GND	Tx3[12]-	Rx3[12]+	GND	Rx3[12]-
2	Tx0[12]+	GND	Tx0[12]-	Rx0[12]+	GND	Rx0[12]-	Tx1[12]+	GND	Tx1[12]-	Rx1[12]+	GND	Rx1[12]-
3	Tx2[11]+	GND	Tx2[11]-	Rx2[11]+	GND	Rx2[11]-	Tx3[11]+	GND	Tx3[11]-	Rx3[11]+	GND	Rx3[11]-
4	Tx0[11]+	GND	Tx0[11]-	Rx0[11]+	GND	Rx0[11]-	Tx1[11]+	GND	Tx1[11]-	Rx1[11]+	GND	Rx1[11]-
5	Tx2[10]+	GND	Tx2[10]-	Rx2[10]+	GND	Rx2[10]-	Tx3[10]+	GND	Tx3[10]-	Rx3[10]+	GND	Rx3[10]-
6	Tx0[10]+	GND	Tx0[10]-	Rx0[10]+	GND	Rx0[10]-	Tx1[10]+	GND	Tx1[10]-	Rx1[10]+	GND	Rx1[10]-
7	Tx2[9]+	GND	Tx2[9]-	Rx2[9]+	GND	Rx2[9]-	Tx3[9]+	GND	Tx3[9]-	Rx3[9]+	GND	Rx3[9]-
8	Tx0[9]+	GND	Tx0[9]-	Rx0[9]+	GND	Rx0[9]-	Tx1[9]+	GND	Tx1[9]-	Rx1[9]+	GND	Rx1[9]-
9	Tx2[8]+	GND	Tx2[8]-	Rx2[8]+	GND	Rx2[8]-	Tx3[8]+	GND	Tx3[8]-	Rx3[8]+	GND	Rx3[8]-
10	Tx0[8]+	GND	Tx0[8]-	Rx0[8]+	GND	Rx0[8]-	Tx1[8]+	GND	Tx1[8]-	Rx1[8]+	GND	Rx1[8]-

J22 - ATCA Zone 2

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	Tx2[7]+	GND	Tx2[7]-	Rx2[7]+	GND	Rx2[7]-	Tx3[7]+	GND	Tx3[7]-	Rx3[7]+	GND	Rx3[7]-
2	Tx0[7]+	GND	Tx0[7]-	Rx0[7]+	GND	Rx0[7]-	Tx1[7]+	GND	Tx1[7]-	Rx1[7]+	GND	Rx1[7]-
3	Tx2[6]+	GND	Tx2[6]-	Rx2[6]+	GND	Rx2[6]-	Tx3[6]+	GND	Tx3[6]-	Rx3[6]+	GND	Rx3[6]-
4	Tx0[6]+	GND	Tx0[6]-	Rx0[6]+	GND	Rx0[6]-	Tx1[6]+	GND	Tx1[6]-	Rx1[6]+	GND	Rx1[6]-
5	Tx2[5]+	GND	Tx2[5]-	Rx2[5]+	GND	Rx2[5]-	Tx3[5]+	GND	Tx3[5]-	Rx3[5]+	GND	Rx3[5]-
6	Tx0[5]+	GND	Tx0[5]-	Rx0[5]+	GND	Rx0[5]-	Tx1[5]+	GND	Tx1[5]-	Rx1[5]+	GND	Rx1[5]-
7	Tx2[4]+	GND	Tx2[4]-	Rx2[4]+	GND	Rx2[4]-	Tx3[4]+	GND	Tx3[4]-	Rx3[4]+	GND	Rx3[4]-
8	Tx0[4]+	GND	Tx0[4]-	Rx0[4]+	GND	Rx0[4]-	Tx1[4]+	GND	Tx1[4]-	Rx1[4]+	GND	Rx1[4]-
9	Tx2[3]+	GND	Tx2[3]-	Rx2[3]+	GND	Rx2[3]-	Tx3[3]+	GND	Tx3[3]-	Rx3[3]+	GND	Rx3[3]-
10	Tx0[3]+	GND	Tx0[3]-	Rx0[3]+	GND	Rx0[3]-	Tx1[3]+	GND	Tx1[3]-	Rx1[3]+	GND	Rx1[3]-

J23 - ATCA Zone 2

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	Tx2[2]+	GND	Tx2[2]-	Rx2[2]+	GND	Rx2[2]-	Tx3[2]+	GND	Tx3[2]-	Rx3[2]+	GND	Rx3[2]-
2	Tx0[2]+	GND	Tx0[2]-	Rx0[2]+	GND	Rx0[2]-	Tx1[2]+	GND	Tx1[2]-	Rx1[2]+	GND	Rx1[2]-
3	Tx2[1]+	GND	Tx2[1]-	Rx2[1]+	GND	Rx2[1]-	Tx3[1]+	GND	Tx3[1]-	Rx3[1]+	GND	Rx3[1]-
4	Tx0[1]+	GND	Tx0[1]-	Rx0[1]+	GND	Rx0[1]-	Tx1[1]+	GND	Tx1[1]-	Rx1[1]+	GND	Rx1[1]-
5	BI_SMCA_Tx1+	GND	BI_SMCA_Tx1-	BI_SMCA_Rx1+	GND	BI_SMCA_Rx1-	BI_SMCB_Tx2+	GND	BI_SMCB_Tx2-	BI_SMCB_Rx2+	GND	BI_SMCB_Rx2-
6	BI_DA2+	GND	BI_DA2-	BI_DB2+	GND	BI_DB2-	BI_DC2+	GND	BI_DC2-	BI_DD2+	GND	BI_DD2-
7	BI_DA3+	GND	BI_DA3-	BI_DB3+	GND	BI_DB3-	BI_DC3+	GND	BI_DC3-	BI_DD3+	GND	BI_DD3-
8	BI_DA4+	GND	BI_DA4-	BI_DB4+	GND	BI_DB4-	BI_DC4+	GND	BI_DC4-	BI_DD4+	GND	BI_DD4-
9	BI_DA5+	GND	BI_DA5-	BI_DB5+	GND	BI_DB5-	BI_DC5+	GND	BI_DC5-	BI_DD5+	GND	BI_DD5-
10	BI_DA6+	GND	BI_DA6-	BI_DB6+	GND	BI_DB6-	BI_DC6+	GND	BI_DC6-	BI_DD6+	GND	BI_DD6-

J24 - ATCA Zone 2

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	BI_DA7+	GND	BI_DA7-	BI_DB7+	GND	BI_DB7-	BI_DC7+	GND	BI_DC7-	BI_DD7+	GND	BI_DD7-
2	BI_DA8+	GND	BI_DA8-	BI_DB8+	GND	BI_DB8-	BI_DC8+	GND	BI_DC8-	BI_DD8+	GND	BI_DD8-
3	BI_DA9+	GND	BI_DA9-	BI_DB9+	GND	BI_DB9-	BI_DC9+	GND	BI_DC9-	BI_DD9+	GND	BI_DD9-
4	BI_DA10+	GND	BI_DA10-	BI_DB10+	GND	BI_DB10-	BI_DC10+	GND	BI_DC10-	BI_DD10+	GND	BI_DD10-
5	BI_DA11+	GND	BI_DA11-	BI_DB11+	GND	BI_DB11-	BI_DC11+	GND	BI_DC11-	BI_DD11+	GND	BI_DD11-
6	BI_DA12+	GND	BI_DA12-	BI_DB12+	GND	BI_DB12-	BI_DC12+	GND	BI_DC12-	BI_DD12+	GND	BI_DD12-
7	BI_DA13+	GND	BI_DA13-	BI_DB13+	GND	BI_DB13-	BI_DC13+	GND	BI_DC13-	BI_DD13+	GND	BI_DD13-
8	BI_DA14+	GND	BI_DA14-	BI_DB14+	GND	BI_DB14-	BI_DC14+	GND	BI_DC14-	BI_DD14+	GND	BI_DD14-
9	BI_DA15+	GND	BI_DA15-	BI_DB15+	GND	BI_DB15-	BI_DC15+	GND	BI_DC15-	BI_DD15+	GND	BI_DD15-
10	BI_DA16+	GND	BI_DA16-	BI_DB16+	GND	BI_DB16-	BI_DC16+	GND	BI_DC16-	BI_DD16+	GND	BI_DD16-

J30 - ATCA Zone 3 (RTM Connector)

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	STOR0_RX-	GND	STOR0_RX+
2	PROD_IO0	GND	PROD_IO1	N.C.	GND	N.C.	N.C.	GND	N.C.	STOR0_TX-	GND	STOR0_TX+
3	12V	GND	3.3V_SUS	SMB_SCL	GND	SMB_SDA	N.C.	GND	N.C.	STOR1_RX-	GND	STOR1_RX+
4	PROD_IO2	GND	PLD_DOUT	PLD_CLK	GND	PLD_DIN	N.C.	GND	N.C.	STOR1_TX-	GND	STOR1_TX+
5	JTAG_TDO	GND	TEST_JIG#	N.C.	GND	PROD_IO3	N.C.	GND	N.C.	N.C.	GND	N.C.
6	JTAG_TDI	GND	12V	N.C.	GND	N.C.	N.C.	GND	+12V	N.C.	GND	N.C.
7	JTAG_TCK	GND	PROD_IO4	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
8	JTAG_TMS	GND	JTAG_TRST#	N.C.	GND	N.C.	N.C.	GND	SMB_ALERT#	N.C.	GND	N.C.
9	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
10	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.

J31 - ATCA Zone 3 (RTM Connector)

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
2	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
3	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
4	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
5	AMC_B1_P13_TX+	GND	AMC_B1_P13_TX-	AMC_B1_P13_RX+	GND	AMC_B1_P13_RX-	AMC_B1_P14_TX+	GND	AMC_B1_P14_TX-	AMC_B1_P14_RX+	GND	AMC_B1_P14_RX-
6	AMC_B1_P15_TX+	GND	AMC_B1_P15_TX-	AMC_B1_P15_RX+	GND	AMC_B1_P15_RX-	AMC_B1_P16_TX+	GND	AMC_B1_P16_TX-	AMC_B1_P16_RX+	GND	AMC_B1_P16_RX-
7	AMC_B1_P17_TX+	GND	AMC_B1_P17_TX-	AMC_B1_P17_RX+	GND	AMC_B1_P17_RX-	AMC_B1_P18_TX+	GND	AMC_B1_P18_TX-	AMC_B1_P18_RX+	GND	AMC_B1_P18_RX-
8	AMC_B1_P19_TX+	GND	AMC_B1_P19_TX-	AMC_B1_P19_RX+	GND	AMC_B1_P19_RX-	AMC_B1_P20_TX+	GND	AMC_B1_P20_TX-	AMC_B1_P20_RX+	GND	AMC_B1_P20_RX-
9	AMC_B2_P17_TX+	GND	AMC_B2_P17_TX-	AMC_B2_P17_RX+	GND	AMC_B2_P17_RX-	AMC_B2_P18_TX+	GND	AMC_B2_P18_TX-	AMC_B2_P18_RX+	GND	AMC_B2_P18_RX-
10	AMC_B2_P19_TX+	GND	AMC_B2_P19_TX-	AMC_B2_P19_RX+	GND	AMC_B2_P19_RX-	AMC_B2_P20_TX+	GND	AMC_B2_P20_TX-	AMC_B2_P20_RX+	GND	AMC_B2_P20_RX-

The Technical Reference Manual and the Quick Reference can be downloaded from Kontron Web site at: http://www.kontron.com

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