RTM8020

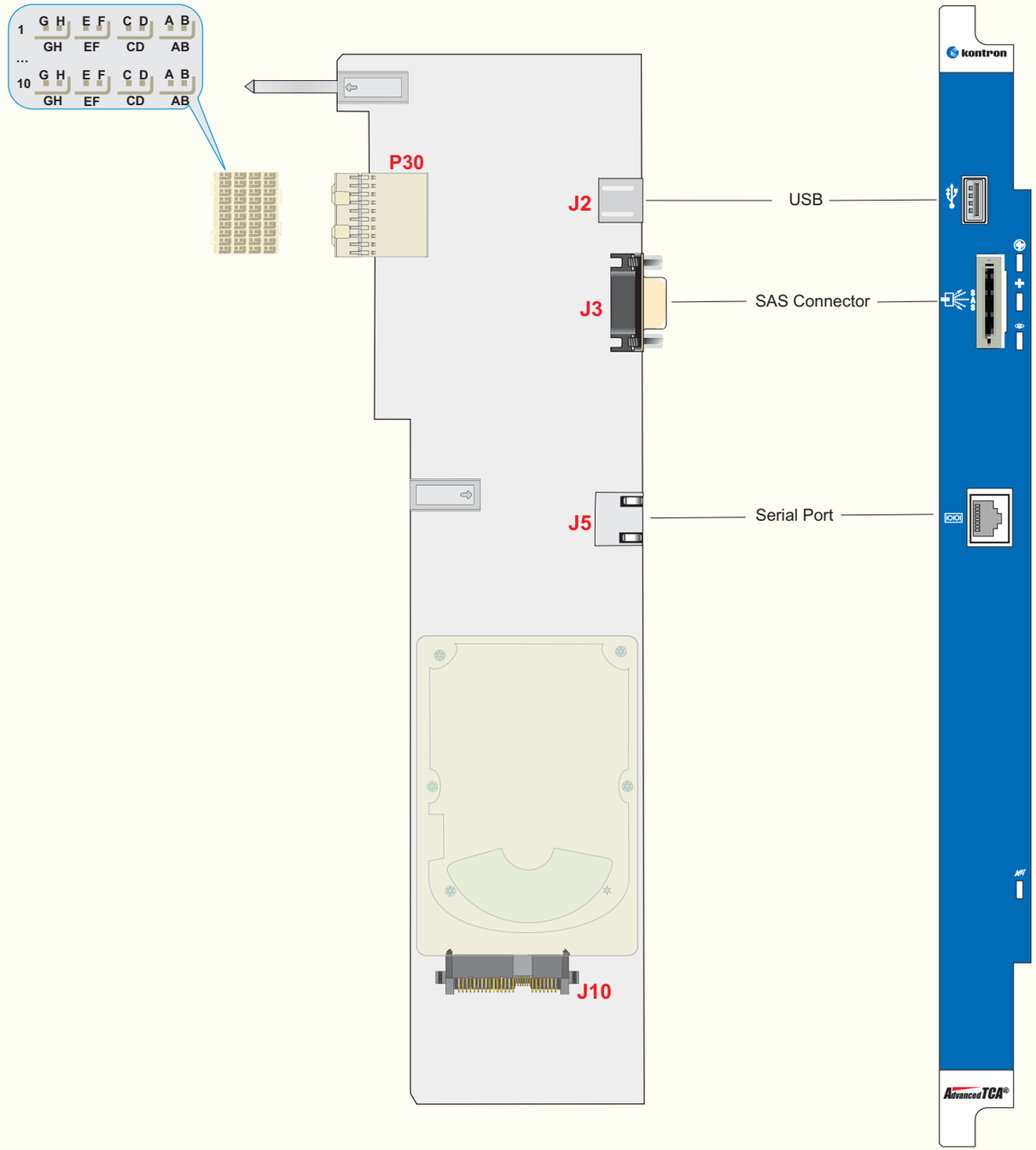
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Rear I/O

Board Rev. 1

QUICK REFERENCE

Document version 1.1



CONNECTORS

J2	USB Connectors
J3	SAS Faceplate Connector
J57	Serial Port (RJ-45)
J10	SAS Hard Disk Connector
P30	ATCA I/O

Symbols Chart

- Out Of Service
- Hot Swap
- Management Led (IPMC)
- Serial Port
- Healthy
- SAS
- USB

Connector Pinouts

RTM8020

Board Rev. 1

J2 - USB0

1	USB0:VCC
2	USB0:DATA-
3	USB0:DATA+
4	USB0:GND

J5 - Serial Port

1	RTS	5	GND
2	DTR	6	RX#
3	TX#	7	DSR
4	GND	8	CTS

J10 - SAS

S1	GND	P1	3.3V
S2	PortA_TX+	P2	3.3V
S3	PortA_TX-	P3	3.3V
S4	GND	P4	GND
S5	PortA_RX-	P5	GND
S6	PortA_RX+	P6	GND
S7	GND	P7	5V
S8	GND	P8	5V
S9	PortB_TX+	P9	5V
S10	PortB_TX-	P10	GND
S11	GND	P11	Ready LED
S12	PortB_RX-	P12	GND
S13	PortB_RX+	P13	12V
S14	GND	P14	12V
		P15	12V

P30 - ATCA I/O

	ROW A	AB	ROW B	ROW C	CD	ROW D	ROW E	EF	ROW F	ROW G	GH	ROW H
1	V_12V_1	GND	V_12V_5	V_12V_2	GND	V_3V3_SUS	RTM_EJECT	GND	RTM_PRSNT#	RTM_HS_LED	GND	RTM_EN#
2	V_12V_3	GND	V_12V_6	V_12V_4	GND	IPMC_INT#	IPMC_SCL	GND	IPMC_SDA	USB0_DPR	GND	USB0_DPR
3	SP_TX	GND	SP_RX	SP_DTR	GND	SP_RTS	SP_CTS	GND	SP_DSR	SP_DCD#	GND	N.C.
4	SOCA	GND	SOCB	INT_0	GND	INT_1	RTML_TX	GND	RTML_RX	RTML_CLK	GND	FWPROG_EN
5	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
6	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
7	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
8	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
9	P0_TX+	GND	P0_TX-	P0_RX+	GND	P0_RX-	P1_TX+	GND	P1_TX-	P1_RX+	GND	P1_RX-
10	P2_TX+	GND	P2_TX-	P2_RX+	GND	P2_RX-	P3_TX+	GND	P3_TX-	P3_RX+	GND	P3_RX-

J3 - SAS Connector

S1	RX_0+
S2	RX_0-
S3	RX_1+
S4	RX_1-
S5	N.C.
S6	N.C.
S7	N.C.
S8	N.C.
S9	N.C.
S10	N.C.
S11	N.C.
S12	N.C.
S13	TX_1-
S14	TX_1+
S15	TX_0-
S16	TX_0+

For Technical Support
please contact:

1 . Internet : www.kontron.com
2 . E-Mail : support@ca.kontron.com
3. Fax : (450) 437-8053
4. Tel : (800) 354-4223

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

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