» AT8060 Quick Reference Sheet «

Connectors

J1 - J8	Memory Sockets
J10 & J11	USB Flash Connector
J12	USB Connectors
J13	Management Console Port
J15 & J17	SFP Connector
J19	AMC Connector
J30 & J31	RTM Connectors
J23	Base & Fabric Interface Connector
P10	Power Connector

Jumper Settings

JP1 (1-2) Watchdogs	
IN	Watchdogs Disabled
•OUT	Watchdogs Enabled

JP1 (3-4) Reserved	
IN	Reserved
•OUT	Reserved

JP1 (5-6) Reserved	
IN	Reserved
•OUT	Reserved

JP1 (7-8) AMC Override	
IN	Override (turn-on AMCs)
•OUT	Normal

JP1 (9-10) AMC PCIe Override	
IN	Override (drive AMCs clocks)
•OUT	Normal

JP1 (11-12) Reserved	
IN	Reserved
•OUT	Reserved

JP1 (13-14) Reserved	
IN	Reserved
•OUT	Normal

JP2 (1-2) SPARE	
IN	Reserved
•OUT	Normal

JP2 (3-4) FPGA PROM Selection	
IN	Factory Prom (Fail-Safe)
•OUT	Normal (User-Prom)

JP2 (5-6) Clear BIOS Setup In Flash	
IN	Reserved
•OUT	Normal

JP2 (7-8) Reserved	
IN	Reserved
•OUT	Normal

JP2 (9-10) Reserved	
IN	Reserved
•OUT	Normal

JP2 (11-12) Reserved	
IN	Reserved
•OUT	Normal

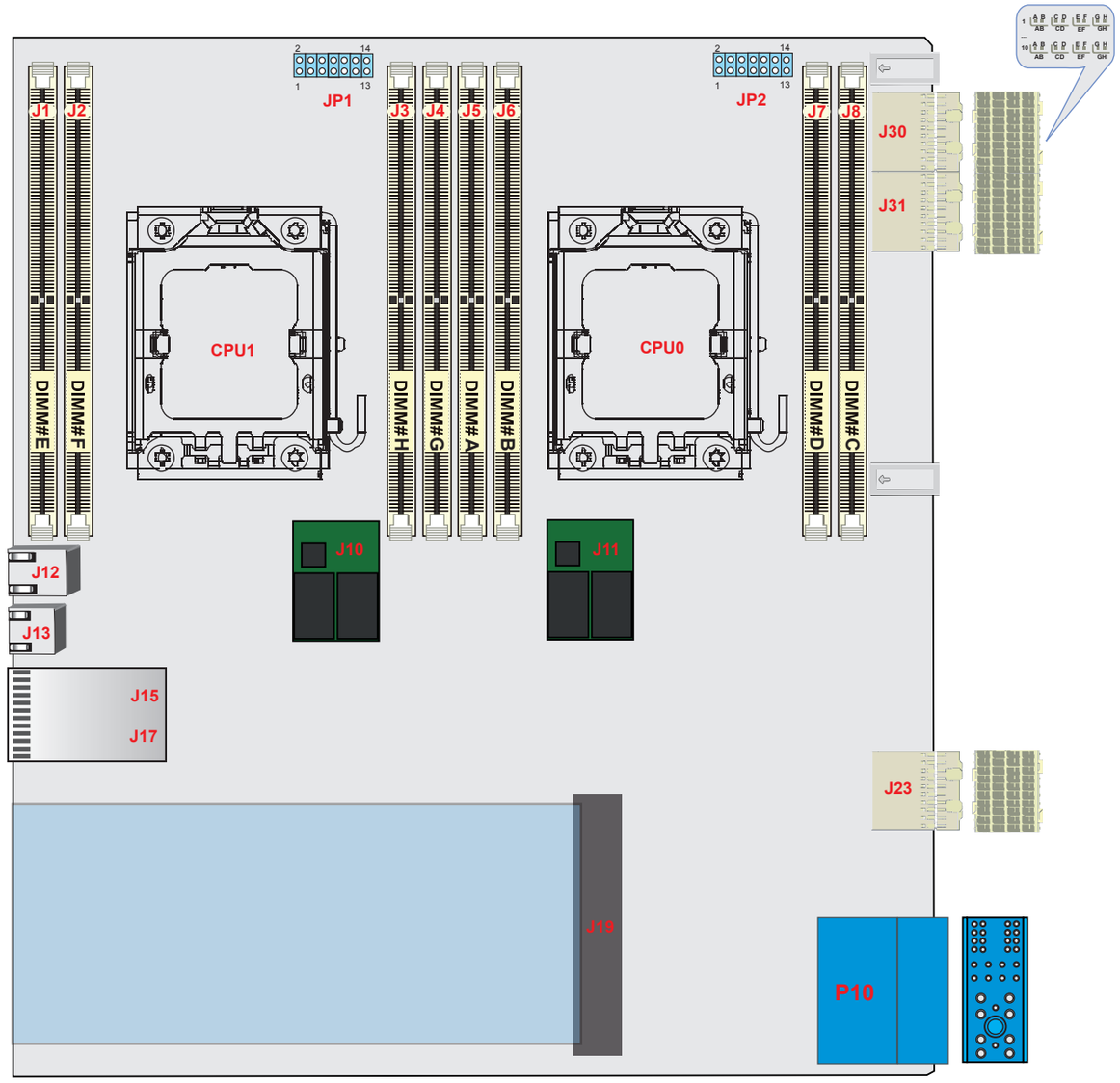
JP2 (13-14) Onboard Video Enable	
IN	Video Enabled
•OUT	No Video (Normal)

• Default Configuration

Symbols Chart

Hot Swap	USB
Out of Service	Hard Disk Activity
Healthy	Management Port
Reset Button	User LED

LEDs Signification available on back.



ATCA Dual Intel® Xeon® Processor E5-2600 Family Blade

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J10 & J11 - USB 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.

J12 - USB Connectors

A1	VCC	B1	VCC
A2	USB_DATA-	B2	USB_DATA-
A3	USB_DATA+	B3	USB_DATA+
A4	GND	B4	GND

J13 - Management Console Port

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

J15 & J17 - 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

J30 - RTM Connector

	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	N.C.	GND	RTM_PRSNT#	N.C.	GND	RTM_EN#
2	V_12V_3	GND	V_12V_6	V_12V_4	GND	NC_D2	IPMC_SCL	GND	IPMC_SDA	USB0_D+	GND	USB0_D-
3	SP_TX	GND	SP_RX	JTAG_TD1	GND	JTAG_TD0	JTAG_TMS	GND	JTAG_TCK	JTAG_TRST	GND	N.C.
4	USB1_D+	GND	USB1_D-	N.C.	GND	N.C.	RTML_TX	GND	RTML_RX	RTML_CLK	GND	PROG
5	SP_RTS#	GND	SP_CTS#	MD2#	GND	RSVD_D5	CLK_PE+	GND	CLK_PE-	RSVD_G5	GND	JTAG_SEL
6	SAS3_[RX-TX][+/-]	GND	SAS3_[RX-TX][+/-]	SAS3_[RX-TX][+/-]	GND	SAS3_[RX-TX][+/-]	SFP1_SCL	GND	SFP1_SDA	SFP0_SCL	GND	SFP0_SDA
7	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.	N.C.	GND	N.C.
8	GBE_TX1+	GND	GBE_TX1-	GBE_RX1+	GND	GBE_RX1-	GBE_TX2+	GND	GBE_TX2-	GBE_RX2+	GND	GBE_RX2-
9	PE6_TX-	GND	PE6_TX+	PE7_RX-	GND	PE7_RX+	PE5_TX+	GND	PE5_TX-	PE6_RX+	GND	PE6_RX-
10	PE4_TX-	GND	PE4_TX+	PE5_RX+	GND	PE5_RX-	PE7_TX+	GND	PE7_TX-	PE4_RX-	GND	PE4_RX+

J31 - 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	PE2_TX+	GND	PE2_TX-	PE3_RX+	GND	PE3_DX-	PE1_TX+	GND	PE1_TX-	PE2_RX-	GND	PE2_RX-
6	PE0_TX+	GND	PE0_TX-	PE1_RX-	GND	PE1_RX+	PE3_TX+	GND	PE3_TX-	PE0_RX-	GND	PE0_RX-
7	SAS2_TX+	GND	SAS2_TX-	SAS2_RX+	GND	SAS2_RX-	SAS1_TX+	GND	SAS1_TX-	SAS1_RX+	GND	SAS1_RX-
8	N.C.	GND	N.C.	N.C.	GND	N.C.	SAS0_TX+	GND	SAS0_TX-	SAS0_RX+	GND	SAS0_RX-
9	N.C.	GND	N.C.	N.C.	GND	N.C.	DDC_SCL_5V	GND	DDC_SDA_5V	N.C.	GND	BLUE
10	CLK_PE1+	GND	CLK_PE1+	N.C.	GND	N.C.	HSYNCB	GND	VSYNCB	RED	GND	GREEN

AMC Port Assignment

Port	Region	Connection
0	GbE	-
1	GbE	-
2	Storage	SATA
3	Storage	-
4	Fat Pipe	PCI-Express
5	Fat Pipe	PCI-Express
6	Fat Pipe	PCI-Express
7	Fat Pipe	PCI-Express
8	Fat Pipe	PCI-Express
9	Fat Pipe	PCI-Express
10	Fat Pipe	PCI-Express
11	Fat Pipe	PCI-Express
12	Extended	-
13	Extended	-
14	Extended	-
15	Extended	-
16	Extended	-
17	Extended	-
18	Extended	-
19	Extended	-
20	Extended	-
TCLKA	Clock	-
TCLKB	Clock	-
TCLKC	Clock	-
TCLKD	Clock	-
FCLKA	Clock	PCI-Express Clock, 100 MHz

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

Hard Disk Activity Led (Green)

Blink : Hard Disk Activity

FI Led (Green/Amber)

Green On : Link 10Gbit
Green Blink : Activity 10Gbit
Amber On : Link 1Gbit
Amber Blink : Activity 1Gbit

BI Led (Green/Amber)

Green On : Link 1Gbit
Green Blink : Activity 1Gbit
Amber On : Link 10-100Mbit
Amber Blink : Activity 10-100Mbit

SFP RTM Led (Green/Amber)

Green On : Link 1Gbit
Green Blink : Activity 1Gbit
Amber On : Link 10-100Mbit
Amber Blink : Activity 10-100Mbit

SFP Front Led (Green/Amber)

Green On : Link 1Gbit
Green Blink : Activity 1Gbit
Amber On : Link 10-100Mbit
Amber Blink : Activity 10-100Mbit

Support / Download

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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/