» AM4320 Quick Reference Sheet «

Connectors

J3 SFP+ Connector
J4 SFP+ Connector
J5 AMC Gold Fingers

Jumper Settings

JP1 (1-2) JTAG Enable Jumper	
IN	AMC JTAG Interface Enabled
•OUT	AMC JTAG Interface Disconnected

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

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

JP1 (7-8) Reserved	
IN	Reserved
•OUT	Reserved

JP1 (9-10) MMC Serial Update	
IN	MMC Configured in Serial Update Boot Mode
•OUT	MMC Configured in Normal Operation

• Default Configuration

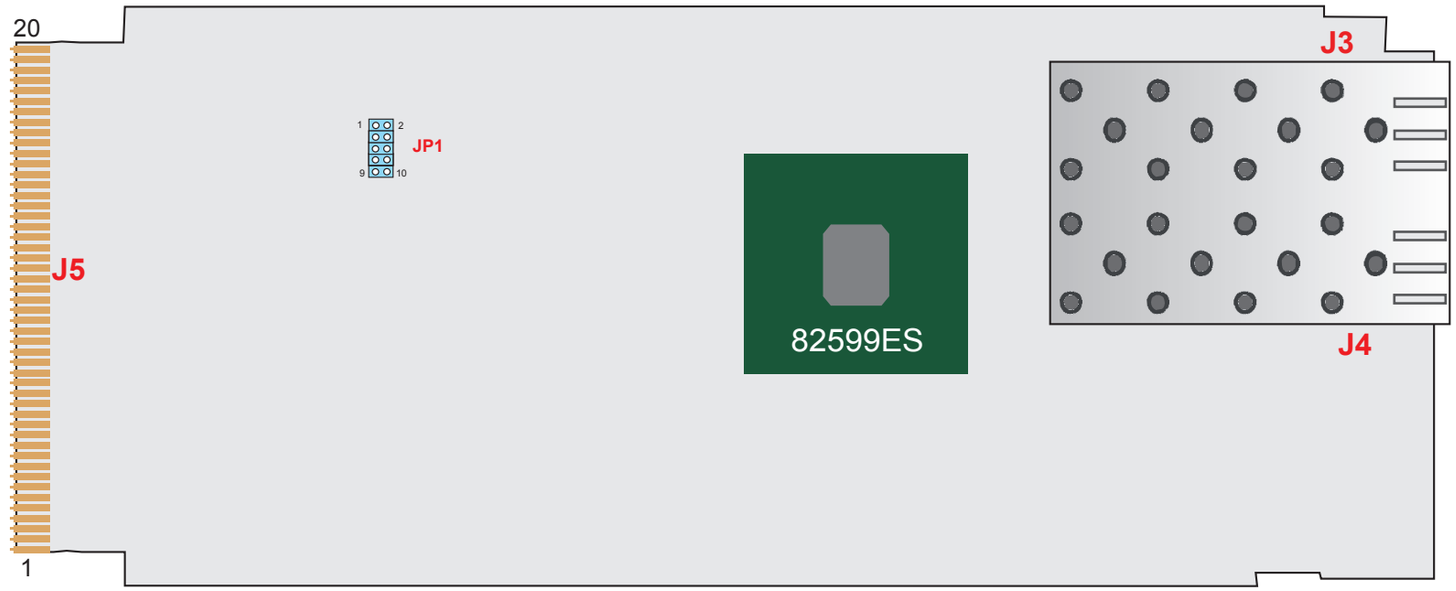
Symbols Chart

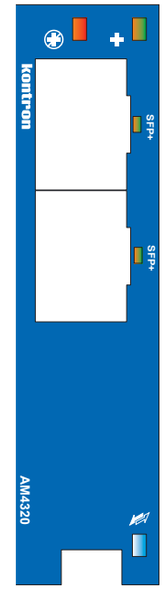
Hot Swap

Out of Service

Healthy

LEDs Signification available on back.





Network Advanced Mezzanine Card

» AM4320 Quick Reference Sheet «

J3 & J4 - SFP+ Connectors

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

J5 - AMC Connector

B1 GND	B43 GND	B86 GND	B129 RxD15-(N.C.)
B2 12V	B44 TxD4+	B87 RxD8-	B130 RxD15+(N.C.)
B3 PS1#	B45 TxD4-	B88 RxD8+	B131 GND
B4 MP_3V3	B46 GND	B89 GND	B132 TxD15-(N.C.)
B5 GA0	B47 RxD4+	B90 TxD8-	B133 TxD15+(N.C.)
B6 RSV	B48 RxD4-	B91 TxD8+	B134 GND
B7 GND	B49 GND	B92 GND	B135 TCLKC-(N.C.)
B8 RSV	B50 TxD5+	B93 RxD9-	B136 TCLKC+(N.C.)
B9 12V	B51 TxD5-	B94 RxD9+	B137 GND
B10 GND	B52 GND	B95 GND	B138 TCLKD-(N.C.)
B11 TxD0+(N.C.)	B53 RxD5+	B96 TxD9-	B139 TCLKD+(N.C.)
B12 TxD0-(N.C.)	B54 RxD5-	B97 TxD9+	B140 GND
B13 GND	B55 GND	B98 GND	B141 RxD17-(N.C.)
B14 RxD0+(N.C.)	B56 IPMI_CLK	B99 RxD10-	B142 RxD17+(N.C.)
B15 RxD0- (N.C.)	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+(N.C.)	B62 RxD6+	B105 RxD11-	B148 RxD18+(N.C.)
B21 TxD1- (N.C.)	B63 RxD6-	B106 RxD11+	B149 GND
B22 GND	B64 GND	B107 GND	B150 TxD18-(N.C.)
B23 RxD1+(N.C.)	B65 TxD7+	B108 TxD11-	B151 TxD18+(N.C.)
B24 RxD1-(N.C.)	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+(N.C.)	B117 RxD13-(N.C.)	B160 RxD20+(N.C.)
B33 RxD2-(N.C.)	B75 TCLKA-(N.C.)	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	

AMC Port Assignment

Port	Region	Connection
0	GbE	-
1	GbE	-
2	Storage	-
3	Storage	-
4	Fat Pipe	PCIe (Lane 0)
5	Fat Pipe	PCIe (Lane 1)
6	Fat Pipe	PCIe (Lane 2)
7	Fat Pipe	PCIe (Lane 3)
8	Fat Pipe	PCIe (Lane 4)
9	Fat Pipe	PCIe (Lane 5)
10	Fat Pipe	PCIe (Lane 6)
11	Fat Pipe	PCIe (Lane 7)
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	PCIe Reference Clock

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

North America / Asia - Pacific
1 . E-Mail : support@ca.kontron.com
2. Tel : (800) 354-4223

EMEA
1 . E-Mail : support-kom@kontron.com
2. Tel : +49-8341-803-333

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