

J4 Connector Pinouts

	Z	A	B	C	D	E	F	
25		E0TP	E0RP	Gnd	E1RP	E1TP	Shlf Gnd	25
24		E0TM	E0RM	L_PRES#	E1RM	E1TM	Shlf Gnd	24
23		Gnd	Gnd	PRES#	Gnd	Gnd	Shlf Gnd	23
22		L_HLY#	R_HLY#	R_PRES#	L_SWR#	R_SWR#	Shlf Gnd	22
21		Gnd	SDA_3	SCL_3	INT_3	Gnd	Shlf Gnd	21
20								20
19								19
18		-48V A				-48V B		18
17								17
16								16
15		-48V A RTN				-48V B RTN		15
14	KEY AREA							14
13								13
12								12
11		SDA_2	SCL_2	INT_2	Gnd	FTP_0	Gnd	11
10		TACH_0	TACH_1	TACH_2	5V0	FTP_1	Gnd	10
9		PWM_0	TACH_3	TACH_4	5V1	FTP_2	Gnd	9
8		PWM_1	TACH_5	TACH_6	5V0	FTP_3	Gnd	8
7		PWM_2	TACH_7	TACH_8	5V1	+V12	Gnd	7
6		PWM_3	TACH_9	TACH_10	5V0	-12V	Gnd	6
5		TACH_11	SDA_1	SCL_1	5V1	VIO	Gnd	5
4		Gnd	SDA_0	SCL_0	5V0	+3.3V	Gnd	4
3		SDA_B	SCL_B	SDA_A	5V1	+5V	Gnd	3
2		SCL_A	reserved	reserved	reserved	Gnd	Gnd	2
1		reserved	reserved	reserved	HA_1	HA_0	Gnd	1
	Z	A	B	C	D	E	Z	

- Long Level 3 pins
- Medium Level 2 Pins
- Short Level 1 Pins
- Not Populated

<b>Name</b>	<b>Count</b>	<b>Description</b>
Gnd	9	Logic Ground
HA_1..0	2	Hardware Address
Reserved	6	Reserved
SCL_A	1	IPMB A Serial Clock
SDA_A	1	IPMB A Serial Data
SCL_B	1	IPMB B Serial Clock
SDA_B	1	IPMB B Serial Data
SCL_3..0	4	Off-board I2C Bus Serial Clock
SDA_3..0	4	Off-board I2C Bus Serial Data
INT_3..2	2	Off-board I2C Bus Interrupt Request
PWM_3..0	4	Pulse Width Modulation (PWM) outputs (Fan Speed Control)
FTP_3..0	4	Fan Tray Presense inputs
TACH_11..0	12	Fan Tachometer inputs
5VO	4	On-board DC/DC Output
5VI	4	Board main power input (IPMB_PWR on a cPCI backplane, connected to the 5VO on a ATCA backplane)
+5V	1	cPCI backplane +5V monitoring input
+3.3V	1	cPCI backplane +3.3V monitoring input
VIO	1	cPCI backplane VIO monitoring input
+12V	1	cPCI backplane +12V monitoring input
-12V	1	cPCI backplane -12V monitoring input
-48VA, -48VB	2	ATCA redundant -48V power feed
-48VARTN, -48VBRTN	2	ATCA redundant -48V power return
E0TP, E0TM, E0RP, E0RM	4	Ethernet 0 transmit and receive pairs
E1TP, E1TM, E1RP, E1RM	4	Ethernet 1 transmit and receive pairs
PRES#	1	Board seated input (short pin connected to Ground on a backplane)
L_PRES#	1	Local Presense
R_PRES#	1	Remote Presense
L_HLY#	1	Local Healthy
R_HLY#	1	Remote Healthy