

Edgecard			_
pin #	Side B Description	Name	CEM pin #
B01	+12 volt power	+12v	B01
B02	+12 volt power	+12v	B02
B03	+12 volt power	+12v	B03
B04	Ground	GND	B04
B05	SMBus clock	SMCLK	B05
B06	SMBus data	SMDAT	B06
B07	Ground	GND	B07
B08	+3.3 volt power	+3.3v	B08
B09	+TRST#	JTAG1	B09
B10	3.3v auxiliary power	3.3Vaux	B10
B11	Link Reactivation	WAKE#	B11
	Mechanical Key		
B12	Clock Request Signal	CLKREQ#	B12
B13	Ground	GND	B13
B14	Transmitter Lane 0, Differential	PETp(0)	B14
B15	pair	PETn(0)	B15
B16	Ground	GND	B16
B17	Presence detect	PRSNT2#	B17
B18	Ground	GND	B18
B19	Transmitter Lane 1, Differential	PETp(1)	B19
B20	pair	PETn(1)	B20
B21	Ground	GND	B21
B22	Ground	GND	B22
B23	Transmitter Lane 2, Differential	PETp(2)	B23
B24	pair	PETn(2)	B24
B25	Ground	GND	B25
B26	Ground	GND	B26
B27	Transmitter Lane 3, Differential	PETp(3)	B27
B28	pair	PETn(3)	B28
B29	Ground	GND	B29
B30	Emergency Pwr Reduct	PWRBRK#	B30
B31	Presence detect	PRSNT2#	B31
B32	Ground	GND	B32
B33	Transmitter Lane 4, Differential	PETp(4)	B33
B34	pair	PETn(4)	B34
B35	Ground	GND	B35
B36	Ground	GND	B36
B37	Transmitter Lane 5, Differential	PETp(5)	B37
B38 B39	pair Ground	PETn(5) GND	B38 B39
B40	Ground	GND	B40
B41			B41
B42	Transmitter Lane 6, Differential	PETp(6) PETn(6)	B41
B43	pair Ground	GND	B43
B44	Ground	GND	B44
B45	Transmitter Lane 7, Differential	PETp(7)	B45
B46	pair	PETn(7)	B46
B47	Ground	GND	B47
B48	Presence detect	PRSNT2#	B48
B49	Ground	GND	B49
B50	Transmitter Lane 8, Differential	PETp(8)	B50
B51	pair	PETn(8)	B51
B52	Ground	GND	B51
B53	Ground	GND	B53
B54	Transmitter Lane 9, Differential	PETp(9)	B54
B55	pair	PETp(9)	B55
B56	Ground	GND	B56
B57	Ground	GND	B57
B58	Transmitter Lane 10, Differential	PETp(10)	B58
B59	pair	PETP(10)	B59
		` ,	B60
B60	Ground	GND	
	•	GND GND	B61
B60 B61 B62	Ground Ground	GND	B61 B62
B61	Ground Ground Transmitter Lane 11, Differential	GND PETp(11)	
B61 B62	Ground Ground	GND	B62
B61 B62 B63	Ground Ground Transmitter Lane 11, Differential pair	GND PETp(11) PETn(11)	B62 B63
B61 B62 B63 B64	Ground Ground Transmitter Lane 11, Differential pair Ground Ground	GND PETp(11) PETn(11) GND GND	B62 B63 B64
B61 B62 B63 B64 B65	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential	GND PETp(11) PETn(11) GND	B62 B63 B64 B65
B61 B62 B63 B64 B65 B66	Ground Ground Transmitter Lane 11, Differential pair Ground Ground	GND PETp(11) PETn(11) GND GND PETp(12)	B62 B63 B64 B65 B66
B61 B62 B63 B64 B65 B66 B67	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12)	B62 B63 B64 B65 B66 B67
B61 B62 B63 B64 B65 B66 B67 B68	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Ground	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND	B62 B63 B64 B65 B66 B67 B68
B61 B62 B63 B64 B65 B66 B67 B68 B69	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Transmitter Lane 13, Differential	GND PETp(11) GND GND PETp(12) PETn(12) GND GND GND PETp(13)	B62 B63 B64 B65 B66 B67 B68 B69
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Ground	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND	B62 B63 B64 B65 B66 B67 B68 B69
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Transmitter Lane 13, Differential pair	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13)	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Ground Ground Transmitter Lane 13, Differential pair Ground Ground Ground Ground Ground	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13) GND GND	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 13, Differential pair Ground	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13) GND GND	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 14, Differential	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13) GND GND PETp(14)	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 14, Differential pair	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13) GND GND PETp(14) PETp(14)	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 14, Differential pair Ground Ground Ground Transmitter Lane 14, Differential pair Ground Ground Ground Ground	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13) GND GND PETp(14) PETp(14) PETn(14) GND GND	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B76	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 13, Differential pair Ground Ground Ground Ground Ground Transmitter Lane 14, Differential pair Ground	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETp(13) PETn(13) GND GND PETp(14) PETp(14) PETn(14) GND GND	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B76
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B76	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Transmitter Lane 13, Differential pair Ground Transmitter Lane 14, Differential pair Ground Transmitter Lane 14, Differential pair Ground Transmitter Lane 15, Differential	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETn(13) GND GND PETp(14) PETn(14) GND GND GND PETp(14) PETn(15)	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B77
B61 B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B76 B77	Ground Ground Transmitter Lane 11, Differential pair Ground Ground Transmitter Lane 12, Differential pair Ground Ground Ground Transmitter Lane 13, Differential pair Ground Ground Ground Ground Transmitter Lane 14, Differential pair Ground Transmitter Lane 15, Differential pair	GND PETp(11) PETn(11) GND GND PETp(12) PETn(12) GND GND PETp(13) PETn(13) GND GND PETp(14) PETn(14) GND GND PETp(14) PETn(15) PETp(15) PETn(15)	B62 B63 B64 B65 B66 B67 B68 B69 B70 B71 B72 B73 B74 B75 B76 B77 B78

Edgecard pin #	Side A Description	Name	CEM pin #
A01	Presence detect	PRSNT#1	A01
A02	+12 volt power	+12v	A02
A03	+12 volt power	+12v	A03
A04	Ground	GND	A04
A05	TCK	JTAG2	A05
A06	TDI	JTAG3	A06
A07	TDO	JTAG4	A07
A08	TMS	JTAG5	A08
A09	+3.3 volt power	+3.3v	A09
A10	+3.3 volt power	+3.3v	A10
A11	Fundamental reset	PERST#	A11
	Mechanical Key		Į.
A12	Ground	GND	A12
A13	Reference Clock, Differential	REFCLK+	A13
A14	pair	REFCLK-	A14
A15	Ground	GND	A15
A16	Receiver Lane 0, Differential	PERp(0)	A16
A17	pair	PERn(0)	A17
A17	Ground	GND	A17
A19	Manufacturer Test Mode	MFG	A19
A20	Ground	GND	A20
A21	Receiver Lane 1, Differential	PERp(1)	A21
A22	pair	PERn(1)	A22
A23	Ground	GND	A23
A24	Ground	GND	A24
A25	Receiver Lane 2, Differential	PERp(2)	A25
A26	pair	PERn(2)	A26
A27	Ground	GND	A27
A28	Ground	GND	A28
A29	Receiver Lane 3, Differential	PERp(3)	A29
A30	pair	PERn(3)	A30
A31	Ground	GND	A31
		RSVD	
A32	Reserved		A32
A33	Reserved	RSVD	A33
A34	Ground	GND	A34
A35	Receiver Lane 4, Differential	PERp(4)	A35
A36	pair	PERn(4)	A36
A37	Ground	GND	A37
A38	Ground	GND	A38
A39	Receiver Lane 5, Differential	PERp(5)	A39
A40	pair	PERn(5)	A40
A41	Ground	GND	A41
A42	Ground	GND	A42
A43	Receiver Lane 6, Differential	PERp(6)	A43
A44	pair	PERn(6)	A44
A45	Ground	GND	A45
A46	Ground	GND	A46
A47	Receiver Lane 7, Differential	PERp(7)	A47
A48	• · · · · · · · · · · · · · · · · · · ·	PERn(7)	A48
A40 A49	pair  Ground	GND	A40 A49
A50	Reserved	RSVD	A50
A51	Ground	GND	A51
A52	Receiver Lane 8, Differential	PERp(8)	A52
A53	pair	PERn(8)	A53
A54	Ground	GND	A54
A55	Ground	GND	A55
A56	Receiver Lane 9, Differential	PERp(9)	A56
A57	pair	PERn(9)	A57
A58	- Ground	GND	A58
A59	Ground	GND	A59
A60	Receiver Lane 10, Differential	PERp(10)	A60
A61	pair	PERn(10)	A61
A62	Ground	GND	A62
A63	Ground	GND	A63
A64		PERp(11)	A64
A65	Receiver Lane 11, Differential	PERP(11)	A64
A66	pair Ground	GND	A65
A67	Ground	GND	A67
A68	Receiver Lane 12, Differential	PERp(12)	A68
A69	pair	PERn(12)	A69
A70	Ground	GND	A70
A71	Ground	GND	A71
A72	Receiver Lane 13, Differential	PERp(13)	A72
A73	pair	PERn(13)	A73
A74	Ground	GND	A74
A75	Ground	GND	A75
A76	Receiver Lane 14, Differential	PERp(14)	A76
A77	pair	PERn(14)	A77
A77	pair  Ground	GND	A77
		GND	
A79	Ground		A79
#L L	Receiver Lane 15, Differential	PERp(15)	A80
A80	4	DED (44-)	404
A80 A81 A82	pair Ground	PERn(15)	A81 A82

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ALL GROUNDS ARE TIED TOGETHER IN PCBS

A82

Ground

6

GND

A82

LISTS 🗆 YES 🛛 NO | SHT 2 OF 2 |

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