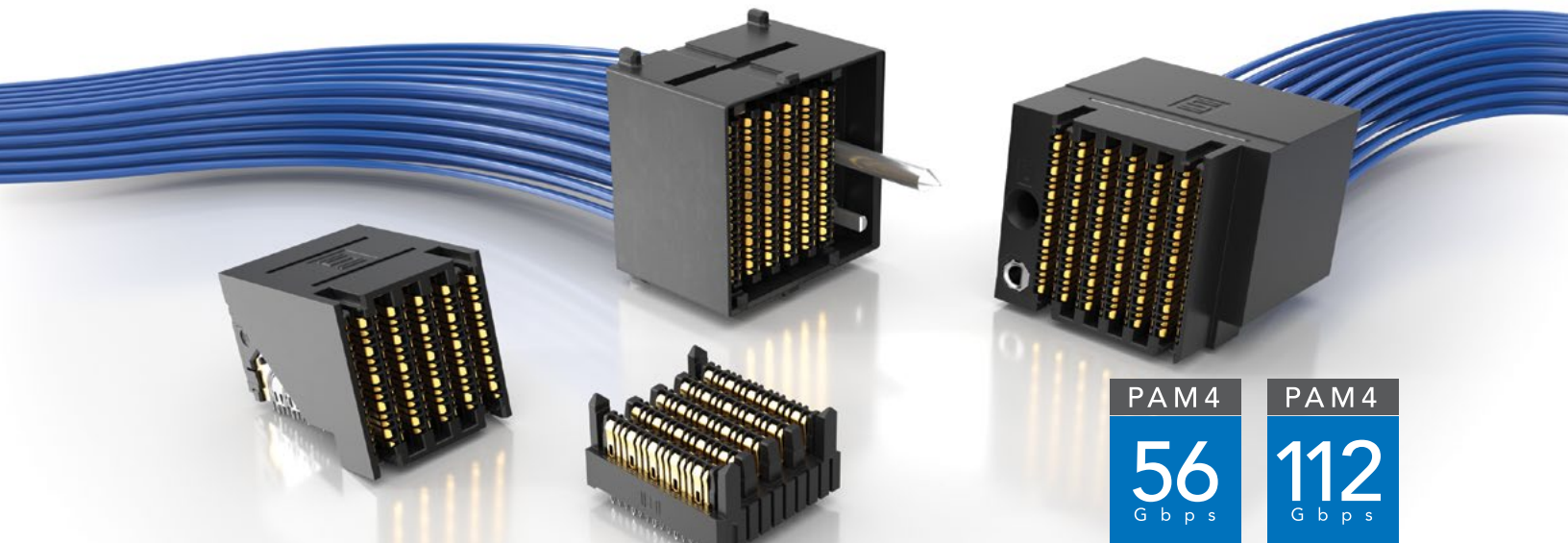


ExaMAX[®]

HIGH-SPEED BACKPLANE CONNECTOR & CABLE SYSTEMS

(2.00 mm) .0787" PITCH



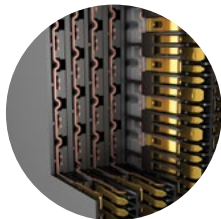
FEATURES & BENEFITS

ExaMAX[®] High-Speed Backplane System

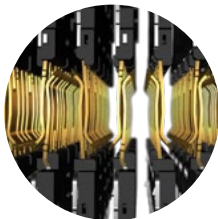
- Meets a variety of industry specifications
- Exceeds OIF CEI-28G-LR specification for 28 Gbps standards
- 24 - 72 pair designs (4 and 6 pairs; 6, 8, 10 and 12 columns)
- Wafer design increases isolation for reduced crosstalk
- Press-fit tails provide a reliable electrical connection

ExaMAX[®] High-Speed Backplane Cable Assemblies

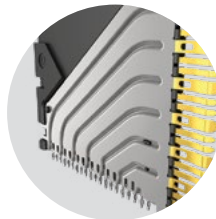
- 30 & 34 AWG Eye Speed[®] Ultra Low Skew Twinax Cable offers improved signal integrity, increased flexibility and routability
- Highly customizable with modular flexibility
- Reduce costs due to lower layer counts
- Multiple end options available



Staggered Differential Pair Design



Two Reliable Points of Contact at All Times



Wafer Design Reduces Crosstalk



Traditional, Coplanar and Direct Mate Orthogonal

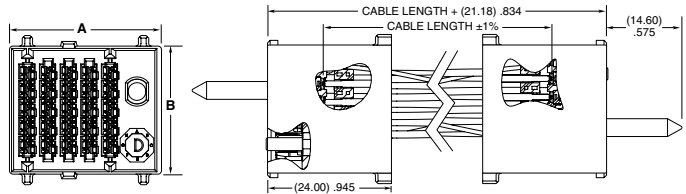


Intermateable with all ExaMAX[®] Connectors

KEY SPECIFICATIONS

PITCH	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING
2.00 mm	LCP Zinc Alloy (EGBX Series only)	Copper Alloy	Sn over 50 μ " (1.27 μ m) Ni	-55 °C to +105 °C	4.2 A per pin

(2.00 mm) .0787" PITCH • BACKPLANE CABLES

EBCM	GAUGE/ SIG. MAP	PAIRS PER COLUMN	COLUMNS	END 1 PIN	END 1 GUIDE	END 1 KEY	CABLE LENGTH	END 2 PIN	END 2	END 2 KEY																							
Cable Header	-1 = 34 AWG/Tx to Rx Sig. Map -2 = 30 AWG/Tx to Rx Sig. Map -3 = 34 AWG/1:1 Sig. Map -4 = 30 AWG/1:1 Sig. Map	-4 = 4 Pairs -6 = 6 Pairs	-04, -08, -10, -12, -14, -16	-1 = Standard	-L = Left Guidance -R = Right Guidance	-A thru -H = Position of Flat on Key (See Table) -N = No Key	-"XX" = Length in Inches 06" (152.4 mm) minimum	-1 = Standard	-L = Male, Left Guidance -R = Male, Right Guidance -FL = Female, Right-angle Left Guidance (-3 & -4 Signal Map only) -FR = Female, Right-angle Right Guidance (-3 & -4 Signal Map only) -FV = Female, Vertical (-3 & -4 Signal Map only)	(Leave Blank for -FV End 2) -A thru -H = Position of Flat on Key (See Table) -N = No Key																							
			<table><tr><th>NO. OF COLUMNS</th><th>A</th></tr><tr><td>-04</td><td>(17.45) .687</td></tr><tr><td>-06</td><td>(21.45) .845</td></tr><tr><td>-08</td><td>(25.45) 1.002</td></tr><tr><td>-10</td><td>(29.45) 1.159</td></tr><tr><td>-12</td><td>(33.45) 1.317</td></tr><tr><td>-14</td><td>(37.45) 1.474</td></tr><tr><td>-16</td><td>(41.45) 1.632</td></tr></table>		NO. OF COLUMNS	A	-04	(17.45) .687	-06	(21.45) .845	-08	(25.45) 1.002	-10	(29.45) 1.159	-12	(33.45) 1.317	-14	(37.45) 1.474	-16	(41.45) 1.632	<table><tr><th>PAIRS PER COLUMN</th><th>B</th></tr><tr><td>-4</td><td>(24.80) .976</td></tr><tr><td>-6</td><td>(32.00) 1.260</td></tr></table>		PAIRS PER COLUMN	B	-4	(24.80) .976	-6	(32.00) 1.260					
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View complete specifications at: samtec.com?EBCM																																	

EBCM
Mates with:
EBCF, EBTf,
EBCB



EBCF	GAUGE/ SIG. MAP	PAIRS / COLUMN	COLUMNS	END 1	END 1 PIN	CABLE LENGTH	END 2 OPTION	END 2 PIN	END 2 GUIDE	END 2 KEY																																								
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EBCF
Mates with:
EBCM, EBTm,
EBCl



Notes:
Some lengths, styles and
options are non-standard,
non-returnable. ExaMAX[®] is a
registered trademark of AFCL.