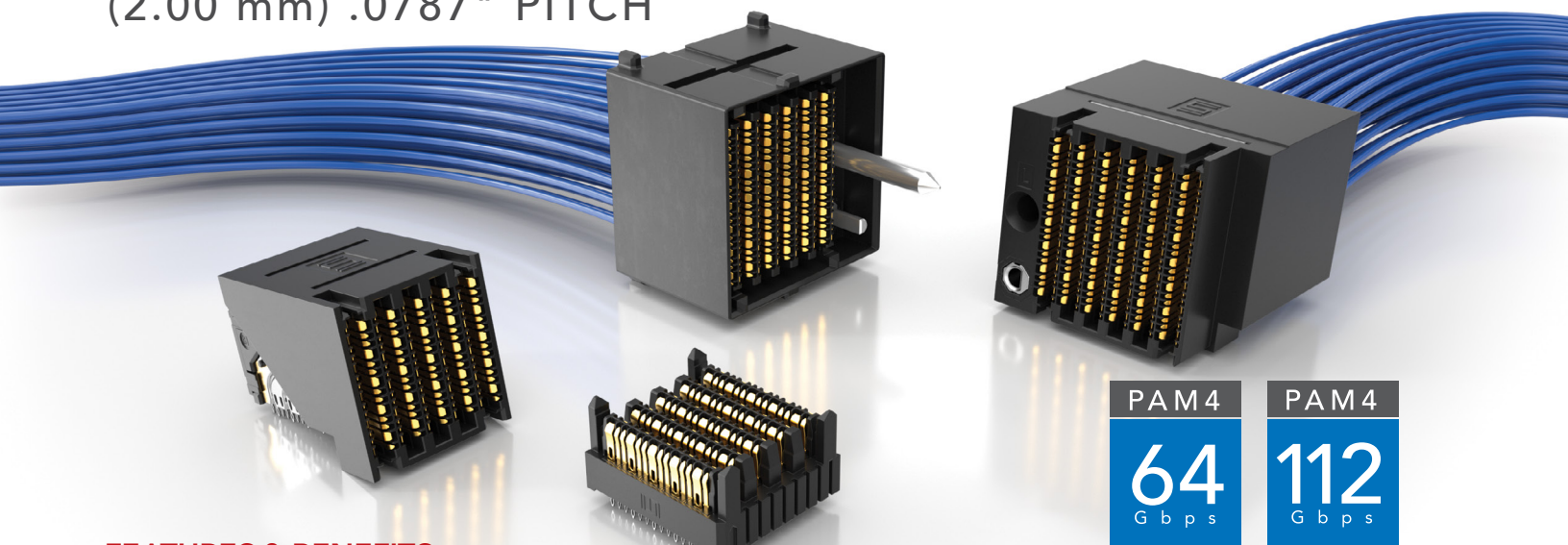


ExaMAX[®]

HIGH-SPEED BACKPLANE CONNECTOR & CABLE SYSTEMS

(2.00 mm) .0787" PITCH



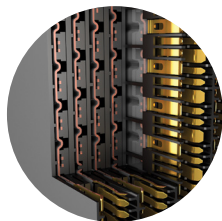
FEATURES & BENEFITS

ExaMAX[®] High-Speed Backplane System

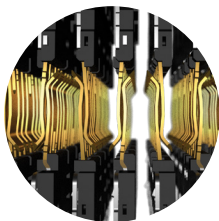
- Meets a variety of industry specifications
- Traditional, coplanar and direct mate orthogonal
- 24 - 72 pair designs (4 and 6 pairs; 6, 8, 10 and 12 columns)
- Shielded wafer design reduces crosstalk and includes one sideband signal per column
- Press-fit tails provide a reliable electrical connection
- PCIe[®] 6.0/CXL[®] 3.2 capable

ExaMAX[®] High-Speed Backplane Cable Assemblies

- 30 & 34 AWG Eye Speed[®] ultra low skew twinax cable
- 34 AWG Eye Speed Thinax[™] 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
- PCIe[®] 6.0/CXL[®] 3.2 capable



Staggered
Differential
Pair Design



Two Reliable Points
of Contact with
a 2.4 mm Wipe



In Development:
Open-Pin-Field,
Coplanar Configuration



In Development:
2 Pair Design for
a Lower Profile



In Development:
ExaMAX2[®] 8 Pairs
for 112 Gbps PAM4
Performance

KEY SPECIFICATIONS

SERIES	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
EBTM/EBTF/EBDM	Liquid Crystal Polymer	Copper Alloy	Sn or Au over 50 μ " (1.27 μ m) Ni	-55 °C to +105 °C	4 A per pin	150 VAC/212 VDC	Yes
EPTT/EPTS	High Temperature Thermoplastic	Copper Alloy	Sn or Au over 50 μ " (1.27 μ m) Ni	-55 °C to +105 °C	14.1 A per pin	150 VAC/212 VDC	Yes
EBCM/EBCF	Liquid Crystal Polymer	Copper Alloy	Au over 50 μ " (1.27 μ m) Ni	-40 °C to +105 °C	2.6 A per pin	125 VAC/177 VDC	N/A

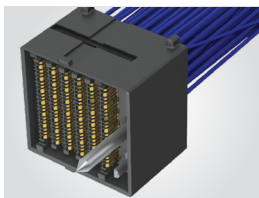
PCI-SIG[®], PCI Express[®] and the PCIe[®] design marks are registered trademarks and/or service marks of PCI-SIG.

EBCM	CABLE/ 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 ultra low skew twinax cable/ Tx to Rx Sig. Map -2 = 30 AWG ultra low skew twinax cable/ Tx to Rx Sig. Map -3 = 34 AWG ultra low skew twinax cable/ 1:1 Sig. Map -4 = 30 AWG ultra low skew twinax cable/ 1:1 Sig. Map -6 = 34 AWG Thinax™ ultra low skew twinax cable/ Tx to Rx Sig. Map -8 = 34 AWG Thinax™ ultra low skew twinax cable/ 1:1 Sig. Map	-4 = 4 Pairs -6 = 6 Pairs	-04, -06, -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 4 Pairs: 06" (152.4 mm) minimum 6 Pairs: 08" (203.2 mm) minimum	-1 = Standard	-L = Male, Left Guidance -R = Male, Right Guidance -FL = Female, Right-angle Left Guidance (-3, -4 & -8 Signal Map only) -FR = Female, Right- angle Right Guidance (-3, -4 & -8 Signal Map only) -FV = Female, Vertical (-3, -4 & -8 Signal Map only)	(Leave Blank for -FV End 2) -A thru -H = Position of Flat on Key (See Table) -N = No Key

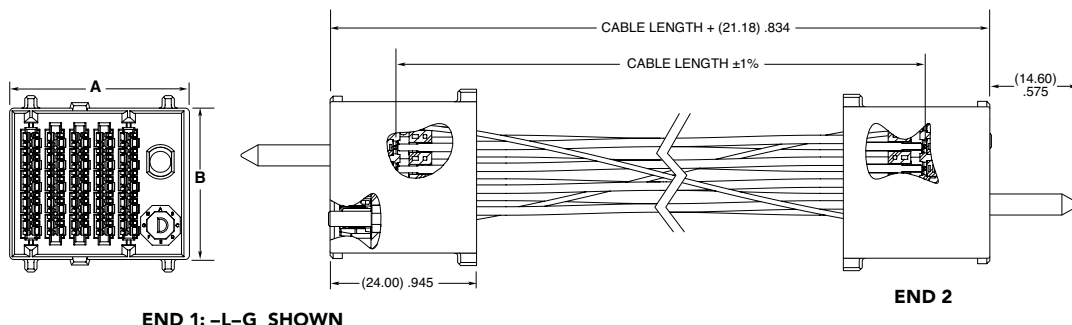
KEYING

-L / -R	-A	-B	-C	-D	-E	-F	-G	-H

EBCM
Mates with:
EBCF, EBTF
Retention
Bracket:
EBCB



NO. OF COLUMNS	A	PAIRS PER COLUMN	B
-04	(17.45) .687		
-06	(21.45) .845	-4	(24.80) .976
-08	(25.45) 1.002	-6	(32.00) 1.260
-10	(29.45) 1.159		
-12	(33.45) 1.317		
-14	(37.45) 1.474		
-16	(41.45) 1.632		



Notes:
Some lengths, styles and options
are non-standard, non-returnable.

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View complete specifications at: samtec.com?EBCM