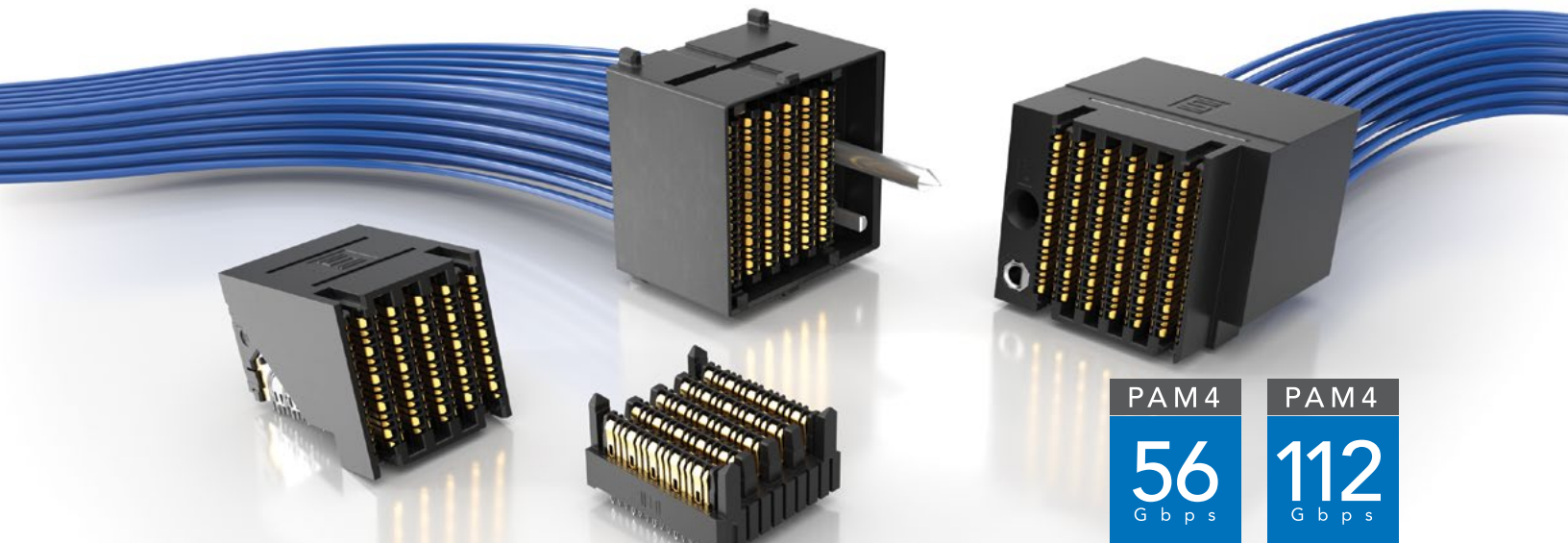


ExaMAX[®]

HIGH-SPEED BACKPLANE CONNECTOR & CABLE SYSTEMS

(2.00 mm) .0787" PITCH



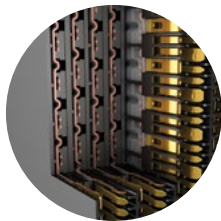
FEATURES & BENEFITS

ExaMAX[®] High-Speed Backplane System

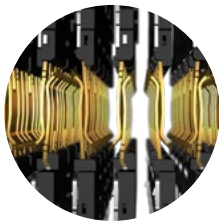
- Meets a variety of industry specifications
- Exceeds OIF CEI-28G-LR specification for 28 Gbps standards
- 24 - 72 pair designs (4 and 6 pairs; 6, 8, 10 and 12 columns)
- Wafer design includes one sideband signal per column
- Press-fit tails provide a reliable electrical connection

ExaMAX[®] High-Speed Backplane Cable Assemblies

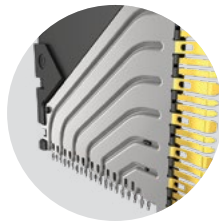
- 30 & 34 AWG Eye Speed[®] Ultra Low Skew Twinax Cable offers improved signal integrity, increased flexibility and routability
- Highly customizable with modular flexibility
- Reduce costs due to lower layer counts
- Multiple end options available
- Eye Speed[®] Thinax[™] ultra performance twinax cable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



Staggered
Differential
Pair Design



Two Reliable Points
of Contact with
a 2.4 mm Wipe



Shielded
Wafer Design
Reduces Crosstalk



Traditional, Coplanar
and Direct Mate
Orthogonal



In Development:
8 Pairs for Greater
Design Flexibility

KEY SPECIFICATIONS

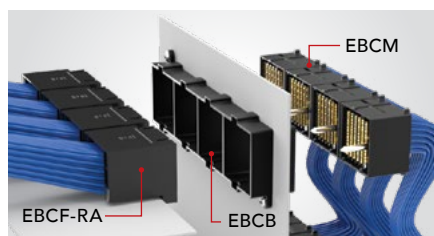
SERIES	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	LEAD-FREE SOLDERABLE
EBTM/EBTF/EBDM	Liquid Crystal Polymer	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C	4 A per pin	150 VAC	Yes
EPTT/EPTS	High Temperature Thermoplastic	Copper Alloy	Sn or Au over 50 μ" (1.27 μm) Ni	-55 °C to +105 °C	14.1 A per pin	150 VAC	Yes
EBCM/EBCF	Liquid Crystal Polymer	Copper Alloy	Au over 50 μ" (1.27 μm) Ni	-40 °C to +105 °C	3.6 A per pin	125 VAC	N/A

PANEL RETENTION BRACKETS & LATCHING SHROUDS

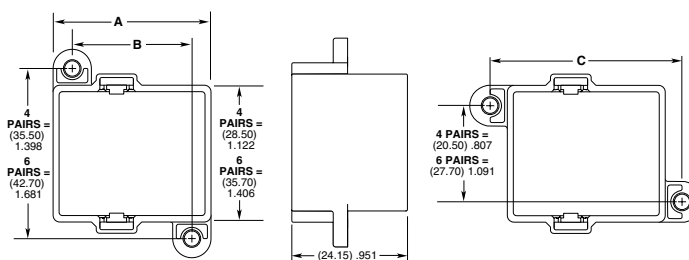
EBCB	NO. OF PAIRS	NO. OF COLUMNS	NO. OF BANKS	MOUNTING OPTION
Panel Retention Bracket	-4 = 4 Pairs -6 = 6 Pairs	-04, -06, -08, -10, -12, -14, -16 (-04, -06 only available with -1-S)	-1, -2, -4 (-2 & -4 banks available with -08, -10, -12, -14, -16 columns only)	(Leave Blank for Standard) -S = Side Lugs (-1 Bank Only)

EBCB

Use with:
EBCF, EBCM, EBTF-RA



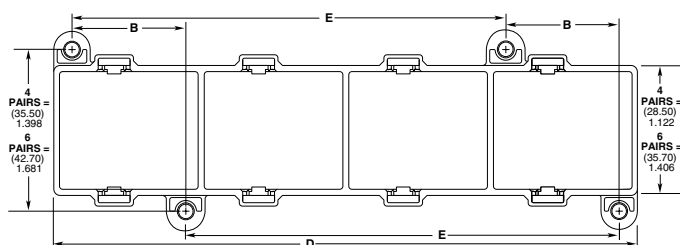
EBCM Cable Assembly Locks into EBCB Retention Bracket



EBCB-X-XX-1 SHOWN

EBCB-X-XX-1-S SHOWN

NO. OF COLUMNS	C
-04	(27.95) 1.100
-06	(31.95) 1.258
-08	(35.95) 1.415
-10	(39.95) 1.573
-12	(43.95) 1.730
-14	(47.95) 1.888
-16	(51.95) 2.045



EBCB-X-XX-4 SHOWN

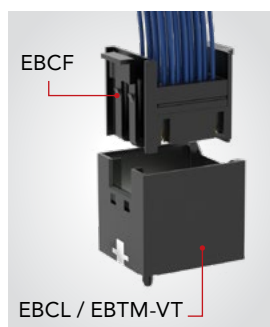
NO. OF COLUMNS	A		B		D 4 Bank	E 4 Bank
	1 Bank	2 Bank	1 or 4 Bank	2 Bank		
-04	(20.95) .825	N/A	N/A	N/A	N/A	N/A
-06	(24.95) .982	N/A	N/A	N/A	N/A	N/A
-08	(28.95) 1.140	(56.65) 2.230	(20.95) .825	(48.65) 1.915	(112.05) 4.411	(83.10) 3.272
-10	(32.95) 1.297	(64.65) 2.545	(24.95) .982	(56.65) 2.230	(128.05) 5.041	(95.10) 3.744
-12	(36.95) 1.455	(72.65) 2.860	(28.95) 1.140	(64.65) 2.545	(144.05) 5.671	(107.10) 4.217
-14	(40.95) 1.612	(80.65) 3.175	(32.95) 1.297	(72.65) 2.860	(160.05) 6.301	(119.10) 4.689
-16	(44.95) 1.770	(88.65) 3.490	(36.95) 1.455	(80.65) 3.175	(176.05) 6.931	(131.10) 5.161

View complete specifications at: samtec.com?EBCB

EBCL	NO. OF PAIRS	NO. OF COLUMNS
Vertical Latching Shroud	-4, -6	-06, -08, -10, -12 (-12 column only available in -6 pairs)

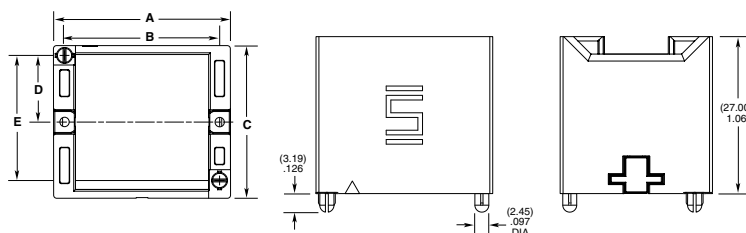
EBCL

Use with:
EBCF, EBTM



NO. OF COLUMNS	A	B
-06	(22.40) .882	(18.66) .734
-08	(26.40) 1.039	(22.66) .892
-10	(30.40) 1.197	(26.66) 1.050
-12	(34.40) 1.354	(30.66) 1.207

NO. OF PAIRS	C	D	E
-4	(26.20) 1.031	(11.45) .451	(21.50) .846
-6	(33.40) 1.315	(15.05) .593	(28.70) 1.130



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

ExaMAX[®] is a registered trademark of AFCI.

View complete specifications at: samtec.com?EBCL

Mouser Electronics

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