ExaMAX®

HIGH-SPEED BACKPLANE CONNECTOR & CABLE SYSTEMS

(2.00 mm) .0787" PITCH



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 μm) Ni	-55 °C to +105 °C	4.2 A per pin

ExaMAX®



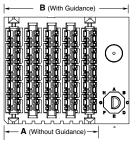
(2.00 mm) .0787" PITCH • VERTICAL & RIGHT-ANGLE HEADERS

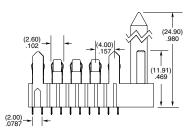


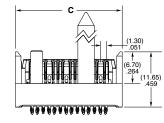
EBTM-VT Board Mates: EBTF-RA

Cable Mates: EBCF









KEYING (-VT)								
	-A	-В	-C	-D	-E	-F	-G	-H
_L / _R	G B C	$G \xrightarrow{H} A \xrightarrow{A} B C$	G B C	G A B C	G E C	G ABC	G B C	G E C

COLUMNS	A	В	
-06	(11.90) .469	(18.35) .722	
-08	(15.90) .626	(22.35) .880	
-10	(19.90) .783	(26.35) 1.037	
-12	(23.90) .941	(30.35) 1.195	

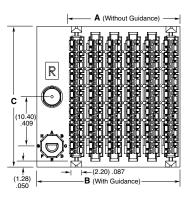
NO. OF PAIRS PER COLUMN	с		
-4	(22.50) .886		
-6	(29.70) 1.169		

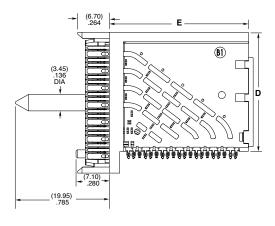
View complete specifications at: samtec.com?EBTM

EBTM-RA
Board Mates:
EBTF-RA

Cable Mates: EBCF







KEYING (-RA)								
	-A	-В	-C	-D	-E	-F	-G	-Н
_L / _R	G E C	$G \xrightarrow{F} G C$	G E C	G E C	G B C	G E C	G B C	G E C

COLUMNS	A	В	
-06	(11.90) .469	(18.35) .722	
-08	(15.90) .626	(22.35) .880	
-10	(19.90) .783	(26.35) 1.037	
-12	(23.90) .941	(30.35) 1.195	

NO. OF PAIRS PER COLUMN	С	D	E	
-4	(22.50)	(17.90)	(23.30)	
	.886	.705	.917	
-6	(29.70)	(25.10)	(30.50)	
	1.169	.988	1.201	

View complete specifications at: samtec.com?EBTM-RA

Notes:

Some lengths, styles and options are non-standard, non-returnable. ExaMAX $^{\otimes}$ is a registered trademark of AFCI.