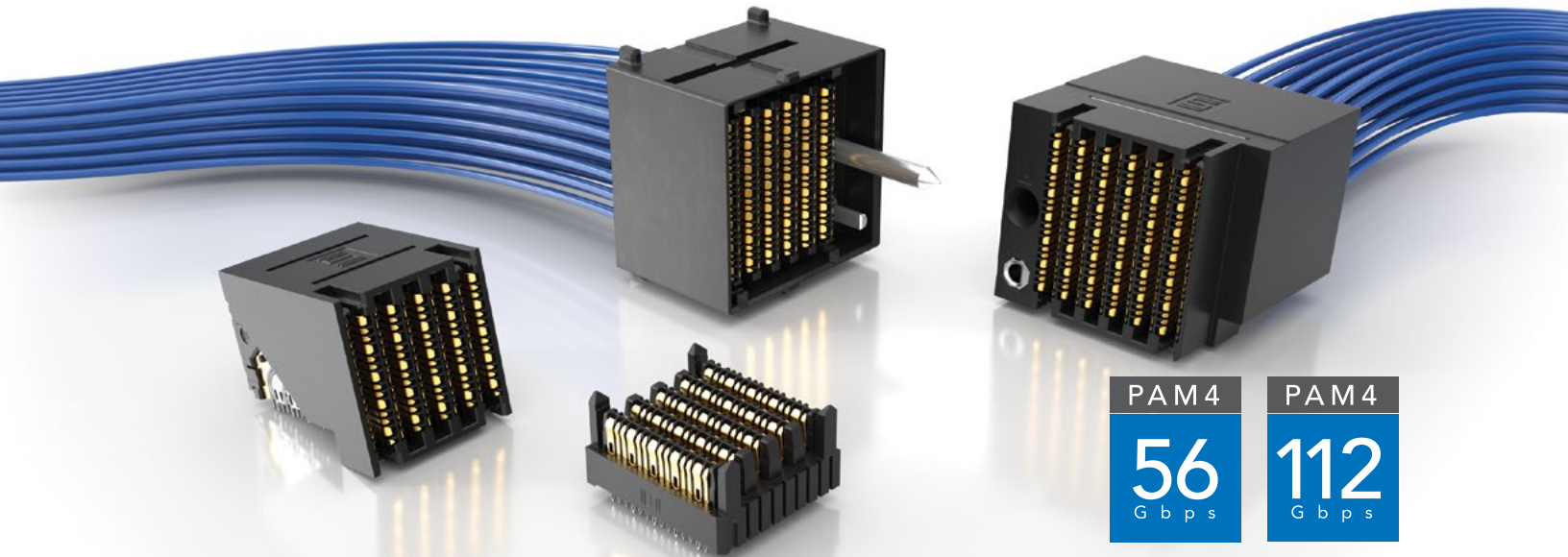


ExaMAX[®]

HIGH-SPEED BACKPLANE CONNECTOR & CABLE SYSTEMS

(2.00 mm) .0787" PITCH



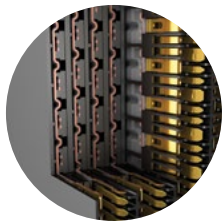
FEATURES & BENEFITS

ExaMAX[®] High-Speed Backplane System

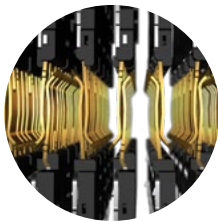
- Meets a variety of industry specifications
- Exceeds OIF CEI-28G-LR specification for 28 Gbps standards
- 24 - 72 pair designs (4 and 6 pairs; 6, 8, 10 and 12 columns)
- Wafer design includes one sideband signal per column
- Press-fit tails provide a reliable electrical connection

ExaMAX[®] High-Speed Backplane Cable Assemblies

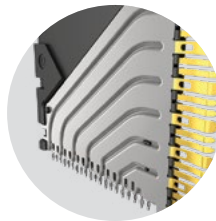
- 30 & 34 AWG Eye Speed[®] Ultra Low Skew Twinax Cable offers improved signal integrity, increased flexibility and routability
- Highly customizable with modular flexibility
- Reduce costs due to lower layer counts
- Multiple end options available
- Eye Speed[®] Thinax[™] ultra performance twinax cable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

ExaMAX[®] POWER MODULES

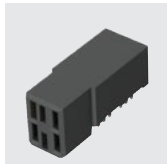
(2.00 mm) .0787" PITCH TERMINAL POWER MODULES



EPTT
Mates with:
EPTS

| EPTT | POSITIONS PER ROW | PLATING | HEIGHT | D | ORIENTATION |
|------|---------------------|---|-----------------------------|---|----------------------|
| | -2 = 4 Positions | -P = Palladium with flash Gold on contacts, Matte Tin on tails | -11.5 = (11.50 mm) .453" | | -RA = Right-Angle |

(2.00 mm) .0787" PITCH SOCKET POWER MODULES



EPTS
Mates with:
EPTT

| EPTS | POSITIONS PER ROW | PLATING | D | ORIENTATION | PIN STAGING |
|------|---------------------|---|---|---|--|
| | -2 = 4 Positions | -P = Palladium with flash Gold on contacts, Matte Tin on tails | | -VT = Vertical -RA = Right-Angle | -01 thru -06 (-RA available with -04 only. Visit website for dimensions.) |

View complete specifications at: samtec.com?EPTT & samtec.com?EPTS

ExaMAX[®] GUIDE MODULES

TERMINAL GUIDE MODULES



EGBM
Mates with:
EGBF
Insulator Material:
Zinc Alloy

| EGBM | ORIENTATION | THREADING | LENGTH | CARD SPACING |
|------|---|--|---|------------------------|
| | -VT = Vertical -RA = Right-Angle | Leave Blank for -RA -1 = External -2 = Internal (25.3 Length only) | Leave Blank for -RA -18.3 = 18.30 mm (.720") -25.3 = 25.30 mm (.996") | -20 = 20 mm (.787") |

SOCKET GUIDE MODULES



EGBF
Mates with:
EGBM
Insulator Material:
Zinc Alloy

| EGBF | ORIENTATION | CARD SPACING |
|------|----------------------|------------------------|
| | -RA = Right-Angle | -20 = 20 mm (.787") |

Notes:

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

ExaMAX[®] is a registered trademark of AFCEI.

View complete specifications at: samtec.com?EGBM & samtec.com?EGBF