

EDGE RATE® TWINAX CABLE ASSEMBLIES

14
Gbps

(0.80 mm) .0315" PITCH • ERDP SERIES



ERDP

Mates:

ERF8 (-L), ERM8 (-L)

(Mating connectors require latching option -L)

SPECIFICATIONS

Cable:

30 AWG twinax ribbon cable

Signal Routing:

100 Ω Differential

Plating:

Au over 50 μ" (1.27 μm) Ni

Operating Temp Range:

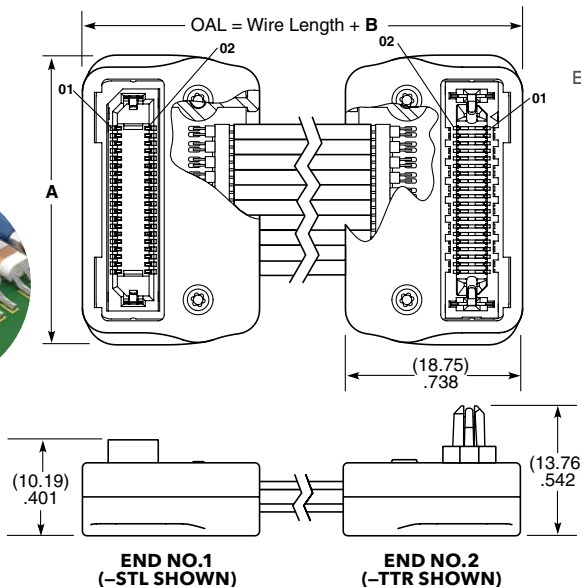
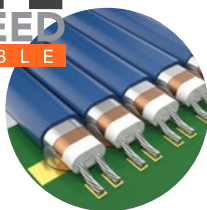
-25 °C to +105 °C

ERDP	NO. POSITIONS PER ROW	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	LATCH
	-013 = 8 Pair	-“XX.XX” = Wire Length in Inches (43.7 mm) 01.72" minimum	-TTR = Terminal, Top Right		-5 = Pin 1 to Pin 1	Specify LATCH from chart (Required callout)
	-025 = 16 Pair		-TTL = Terminal, Top Left		-6 = Pin 1 to Pin 2	
	-049 = 32 Pair		-TBR = Terminal, Bottom Right		-7 = Pin 1 to Pin N-1	
			-TBL = Terminal, Bottom Left		-8 = Pin 1 to Pin N	
			-STR = Socket, Top Right			
			-STL = Socket, Top Left			
			-SBR = Socket, Bottom Right			
			-SBL = Socket, Bottom Left			
			-TEU = Terminal, Edge Mount Up			
			-TED = Terminal, Edge Mount Down			

POSITIONS PER ROW	A
-013	(25.86) 1.018
-025	(34.67) 1.365
-049	(53.85) 2.120

END TO END	B
DV to DV	(23.47) .924
DV to Edge Mount (-TEX)	(26.69) 1.051
Edge Mount (-TEX)	(29.92) 1.178

**EYE
SPEED
CABLE**



Notes:

Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

Design your full cable assembly with Samtec's High-Speed Cable Builder at www.samtec.com/cablebuilder

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

LATCH	ASSEMBLY
† -L	End No. 1 Standard Latch, End No. 2 Squeeze Latch
◆ -R	End No. 1 Squeeze Latch, End No. 1 Standard Latch
-D	Both Ends Standard Latch
-N	No Housing Both Ends Standard Latch
* -B	Both Ends Squeeze Latch
◆ -F	End No. 1 Screw Option, End No. 2 Friction Latch
† -S	End No. 1 Friction Latch, End No. 2 Screw Option
* -C	Both Ends Screw Option
* -G	End No. 1 Screw Option, End No. 2 Squeeze Latch
* -T	End No. 1 Squeeze Latch, End No. 2 Screw Option

* -B, -C, -G & -T option only available with -TEX on both ends.

† -L & -S option only available with -TEX on second end.

◆ -R & -F option only available with -TEX on first end.

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