

# 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
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**-013**  
= 8 Pair  
**-025**  
= 16 Pair  
**-049**  
= 32 Pair

**-"XX.XX"**  
= Wire Length in Inches (43.7 mm) 01.72" minimum

**-TTR**  
= Terminal, Top Right

**-TTL**  
= Terminal, Top Left

**-TBR**  
= Terminal, Bottom Right

**-TBL**  
= Terminal, Bottom Left

**-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

**-5**  
= Pin 1 to Pin 1

**-6**  
= Pin 1 to Pin 2

**-7**  
= Pin 1 to Pin N - 1

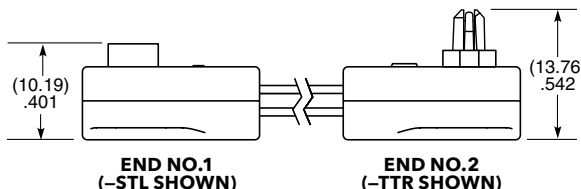
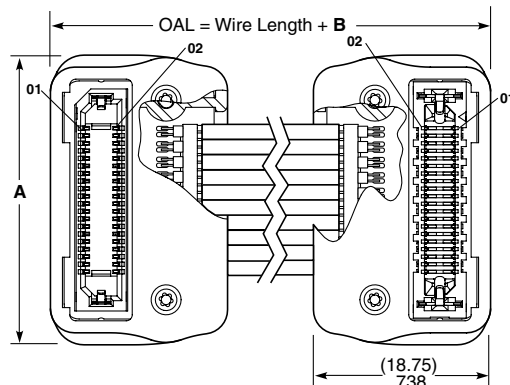
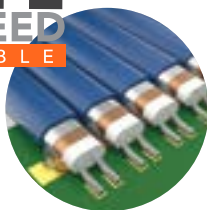
**-8**  
= Pin 1 to Pin N

**Specify LATCH from chart (Required callout)**

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**



LATCH	ASSEMBLY
† -L	End No. 1 Standard Latch, End No. 2 Squeeze Latch
◆ -R	End No. 1 Squeeze Latch, End No. 2 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.

**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 Solutionator® at [www.samtec.com/cablebuilder](http://www.samtec.com/cablebuilder)

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