

ERDP-013-06.00-TTR-STR-6-D

ERDP SERIES

(0.80 mm) .0315"

EDGE RATE® TWINAX CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ERDP

Cable:
30 AWG twinax ribbon cable
Signal Routing:
100 Ω Differential
Plating:
Au over 50 μ " (1.27 μ m) Ni
Operating Temp Range:
-25 °C to +105 °C
RoHS Compliant:
Yes

Mates with:
ERF8(-L), ERM8(-L)

Broadside wiping
contacts reduce
unwanted
crosstalk

(0.80 mm)
.0315" pitch

**EYE®
SPEED
CABLE**

30 AWG
twinax ribbon cable

Standard
latch

HIGH-SPEED CHANNEL PERFORMANCE

ERDP

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

14
Gbps

ERDP

NO. POSITIONS
PER ROWWIRE
LENGTHEND
NO. 1END
NO. 2WIRING
OPTION

LATCH

-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

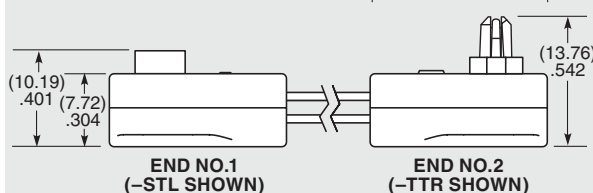
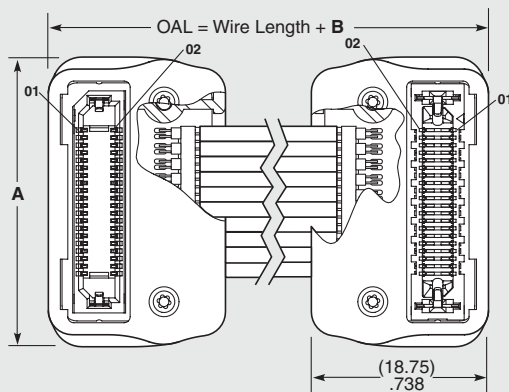
-5
= Pin 1 to Pin 1
-6
= Pin 1 to Pin 2
-7
= Pin 1 to Pin N - 1
-8
= Pin 1 to Pin N

Specify
LATCH
from
chart
(Required
callout)

Note:
Mating
connectors
require
latching
option -L

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



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

Design your High-Speed Cable
with Samtec's High-Speed
Cable Solutionator® at
www.samtec.com/hdr

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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
-B	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.	