



ERCD-020-10.00-TEU-STR-3-R

ERCD SERIES

(0.80 mm) .0315"

EDGE RATE® COAX CABLE ASSEMBLIES

SPECIFICATIONS

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

- Cable:** 34 AWG coax ribbon cable
- Signal Routing:** 50 W Single-Ended
- Plating:** Au over 50 μ" (1.27 μm) Ni
- Operating Temp Range:** -25 °C to +105 °C
- Current Rating:** 1.3 A per pin (2 pins powered)
- RoHS Compliant:** Yes

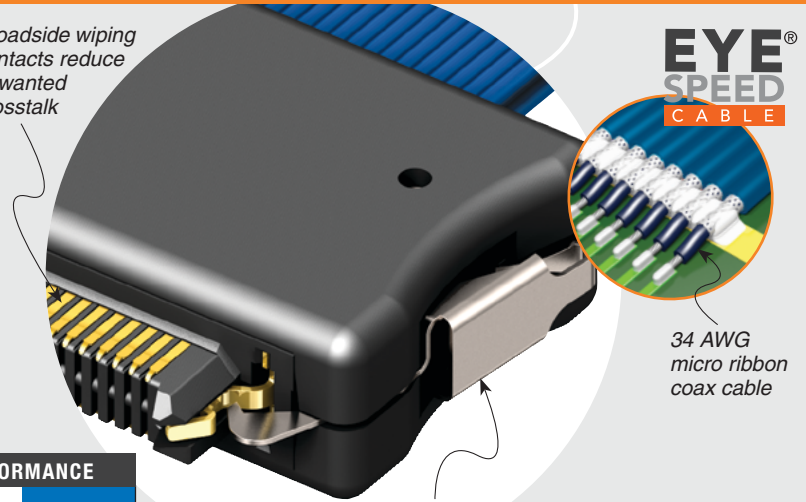
RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



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

Broadside wiping contacts reduce unwanted crosstalk



EYE SPEED CABLE

34 AWG micro ribbon coax cable

Rugged metal latching system

HIGH-SPEED CHANNEL PERFORMANCE

ERCD

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

14
Gbps



-010, -013, -020, -025, -030, -040, -050, -060

-"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

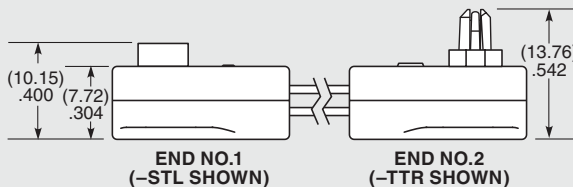
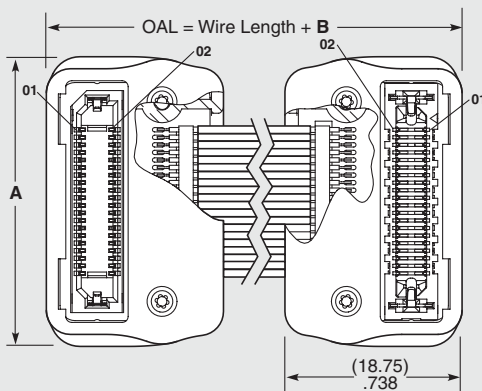
- 1** = Pin 1 to Pin 1
- 2** = Pin 1 to Pin 2
- 3** = Pin 1 to Pin N - 1
- 4** = Pin 1 to Pin N

Specify LATCH from chart (Required callout)

Note: Mating connectors require latching option -L

POSITIONS PER ROW	A
-010	(22.66) .892
-013	(25.06) .987
-020	(30.66) 1.207
-025	(34.65) 1.364
-030	(38.66) 1.522
-040	(46.66) 1.837
-050	(54.66) 2.152
-060	(62.66) 2.467

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.

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	-B option only available with -TEX on both ends.
†-L & -G	-L & -G option only available with -TEX on second end.
◆-R & -T	-R & -T option only available with -TEX on first end.

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

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