

(0.80 mm) .0315"

ERCD-050-08.00-SBR-STR-3-D

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

ERCD SERIES

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

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

RECOGNITIONS

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



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

ERCD

NO. POSITIONS PER ROW

WIRE LENGTH

END NO. 1

END NO. 2

WIRING OPTION

LATCH

-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

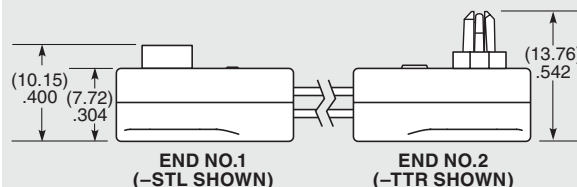
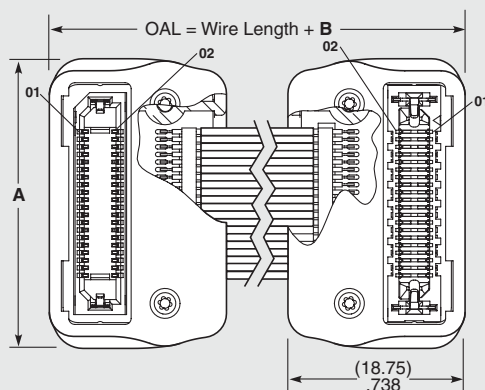
END TO END	B
DV to DV	(23.47) .924
DV to Edge Mount (-TEX)	(26.69) 1.051
Edge Mount (-TEX)	(29.92) 1.178

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

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.

Mouser Electronics

Authorized Distributor

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[ERCD-013-14.75-TEU-TED-2-N](#) [ERCD-020-20.00-TED-TEU-1-B](#) [ERCD-030-20.00-TEU-TED-1-B](#)