

(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](http://www.samtec.com?ERCD)

### Cable:

34 AWG coax ribbon cable

### Signal Routing:

50 W Single-Ended

### Plating:

Au over 50  $\mu$ " (1.27  $\mu$ m) 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<sup>®</sup>  
SPEED  
CABLE

34 AWG micro ribbon coax cable

Rugged metal latching system

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E11194

## HIGH-SPEED CHANNEL PERFORMANCE

ERCD

Rating based on Samtec reference channel.  
For full SI performance data visit [samtec.com](http://samtec.com)  
or contact [SIG@samtec.com](mailto: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

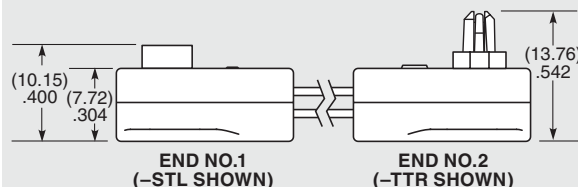
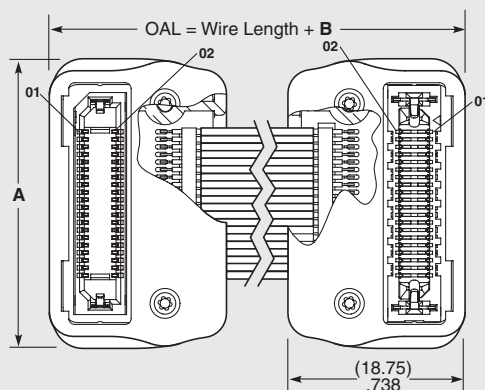
END TO END	B
DV to DV	(23.47) .924
DV to Edge Mount (-TEX)	(26.69) 1.051
Edge Mount (-TEX)	(29.92) 1.178

### 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<sup>®</sup> at [www.samtec.com/hdr](http://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](http://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 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.	