



THE VITAL COMPONENT

EDGE RATE
CONTACT

(0.80 mm) .0315"



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

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

ERCD SERIES

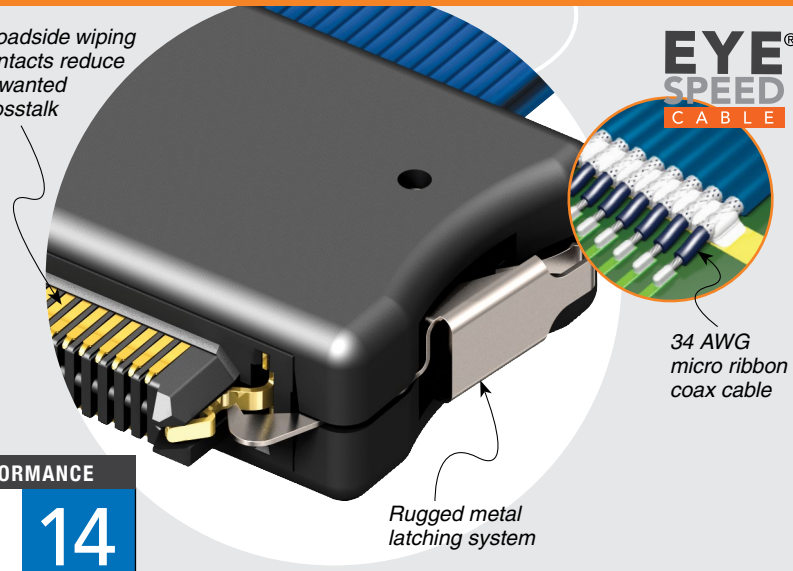
EDGE RATE® COAX CABLE ASSEMBLIES

SPECIFICATIONS

Cable:
34 AWG coax ribbon cable
Signal Routing:
50 Ω 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, ERM8

Broadside wiping contacts reduce unwanted crosstalk



EYE SPEED
CABLE

34 AWG micro ribbon coax cable

Rugged metal latching system

RECOGNITIONS



FILE NO. E111594

HIGH-SPEED CHANNEL PERFORMANCE

ERCD
Rating based on
Samtec reference channel.

14
Gbps

ERCD	NO. POSITIONS PER ROW	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	LATCH
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-010, -013,
-020, -025, -030,
-040, -050, -060

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

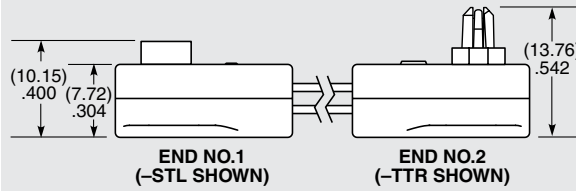
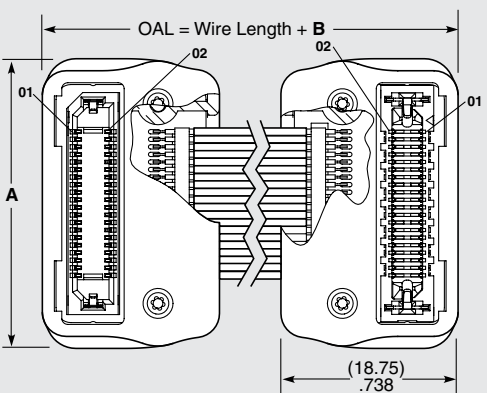
-TTR = Terminal, Top Right
-TTL = Terminal, Top Left
-TBR = Terminal, Bottom Right
-TBL = Terminal, Bottom Left
-STR = Socket, Top Right
-STL = Socket, Top Left
-SBR = Socket, Bottom Right
-SBL = Socket, Bottom Left
-TEU = Terminal, Edge Mount Up
-TED = Terminal, Edge Mount Down

-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)

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

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



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

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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.