# EDGE RATE® SYSTEM

# EDGE RATE® CABLE ASSEMBLIES

**14 Gbps**

## (0.80 mm) .0315" PITCH • ERCD SERIES

| ERCD | – | NO. POSITIONS PER ROW | – | WIRE LENGTH | – | END NO. 1 | – | END NO. 2 | – | WIRING OPTION | – | LATCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

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

(Mating connectors require latching option –L)

### 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)

### OTHER SOLUTIONS

Q Rate® Cable Assemblies that mate to the QRF8, QRM8 Series.

For coax cable, visit the EQRD series located at www.samtec.com?EQRD

For twinax cable, visit the EQRP series located at www.samtec.com?EQRP

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

Design your full cable assembly with Samtec's High-Speed Cable Solutionator® at www.samtec.com/cablebuilder

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

**NO. POSITIONS PER ROW**
–010, –013, –020, –025, –030, –040, –050, –060

**WIRE LENGTH**
–"XX.XX"
= Wire Length in Inches (43. 7 mm) 01.72" minimum

**END NO. 1 / END NO. 2**

–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

**WIRING OPTION**

–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

**LATCH**
Specify LATCH from chart (Required callout)

| 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 |

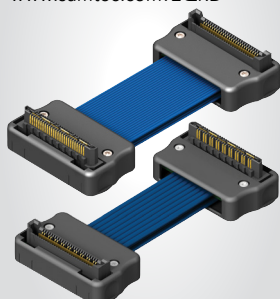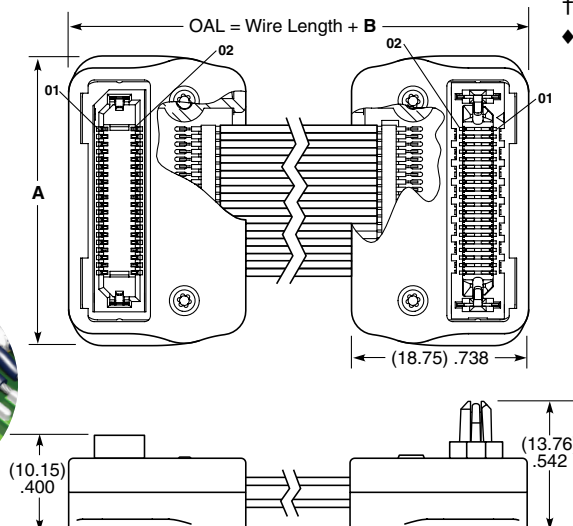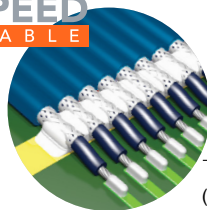| END TO END | B |
|---|---|
| DV to DV | (23.47) .924 |
| DV to Edge Mount (-TEX) | (26.69) 1.051 |
| Edge Mount (-TEX) | (29.92) 1.178 |

| 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 & –S option only available with –TEX on second end.
♦ –R & –T option only available with –TEX on first end.

**EYE SPEED® CABLE**

OAL = Wire Length + **B**

(18.75) .738

(10.15) .400

(13.76) .542