

## **Q STRIP® COAX** CABLE ASSEMBLIES

(0.50 mm) .0197" & (0.80 mm) .0315" PITCH • HQCD/EQCD SERIES

HQCD

Mates: QTH, QSH

**EQCD** Mates: QTE, QSE

## **SPECIFICATIONS**

Cable:

38 AWG micro coax ribbon Signal Routing: 50 Ω Single-Ended Overall Length: (95.3 mm) 03.75" to (1 m) 40" standard

Cable Flexing Life:

>10,000 cycles Cable Bending Radius:

<2.5mm

Plating:
Au over 50 μ" (1.27 μm) Ni

Current Rating:
EQCD = 500 mA per pin
HQCD = 300 mA per pin
(6 adjacent pins powered)

Cabla Propagation Delay

Cable Propagation Delay: 4.79 nsec/meter **Operating Temp Range:** 

5 °C to +105 °C Unmating Force (-RT1 option):

-RT1 option increases unmating force up to 50%

**SERIES PER ROW** 

HQCD = (0.50 mm) .0197" pitch

**EQCD** = (0.80 mm).0315" pitch **NO. OF POSITIONS** 

-030, -060, -090 (HQCD Series)

-020, -040, -060 (EQCD Series)

LENGTH

-"XX.XX" = Wire Length

in Inches (43.7 mm) 01.72" minimum

NO. 1

Specify END

**ASSEMBLIES** from chart

-2 = Pin 1 to Pin 2 -3

NO. 2

= Pin 1 to Second to Last Pin

WIRING

**OPTION** 

-1

= Pin 1 to

Pin 1

= Pin 1 to Last Pin

**OPTIONS** 

Leave blank for no Screw Mount & Retention End Option

-F

= Screw Mount End No. 1 only (Not available with XPX options)

-S

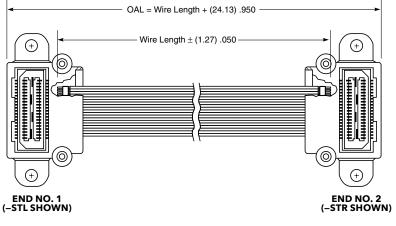
Screw Mount End No. 2 only

-B

= Screw Mount Both Ends (Not available with XPX options)

= End No. 1 Screw Mount. End No. 2 Retention Pin or Socket

-2 = End No. 1 Retention Pin or Socket. End No. 2 Screw Mount Option





**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

This Series is non-standard, non-returnable.

END 1 or END 2	SURFACE MOUNT
TTR	Terminal, Top Mount, Notch Right
TTL	Terminal, Top Mount, Notch Left
TBR	Terminal, <b>B</b> ottom Mount, Notch <b>R</b> ight
TBL	Terminal, <b>B</b> ottom Mount, Notch <b>L</b> eft
STR	Socket, Top Mount, Notch Right
STL	Socket, Top Mount, Notch Left
SBR	Socket, Bottom Mount, Notch Right
SBL	Socket, Bottom Mount, Notch Left

END 1 or END 2	EDGE MOUNT
TEU	Terminal, Edge Mount, Notch Up
TED	Terminal, Edge Mount, Notch Down
SEU	Socket, Edge Mount, Notch Up
SED	Socket, Edge Mount, Notch Down

END1 ONLY	PANEL MOUNT
TPU	Terminal, Panel Mount, Notch Up
TPD	Terminal, Panel Mount, Notch Down
SPU	Socket, Panel Mount, Notch Up
SPD	Socket, Panel Mount, Notch Down