

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

Operating Temp Range:

5 °C to +105 °C

Cable Propagation Delay: 4.79 nsec/meter

Unmating Force (-RT1 option):

-RT1 option increases unmating force up to 50%

NO. OF POSITIONS SERIES PER ROW

HQCD = (0.50 mm) .0197" pitch

.0315" pitch

EQCD = (0.80 mm)

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

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

LENGTH

NO. 1

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

minimum

Specify END

from chart

ASSEMBLIES

NO. 2

-1 = Pin 1 to Pin 1

WIRING

OPTION

-2 = Pin 1 to Pin 2

-3 = Pin 1 to Second to Last Pin

= Pin 1 to Last Pin

Leave blank for no Screw Mount & Retention End Option

OPTIONS

-F = Screw Mount End No. 1 only (Not available with XPX

options) -S Screw Mount

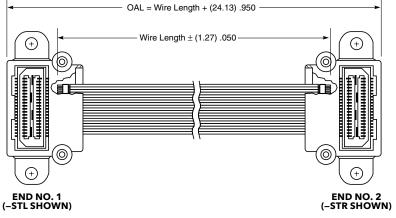
End No. 2 only -B

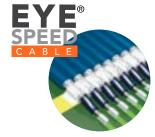
= Screw Mount Both Ends (Not available with XPX options)

= 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 ottom Mount, Notch R ight
TBL	Terminal, B ottom Mount, Notch L eft
STR	Socket, Top Mount, Notch Right
STL	S ocket, Top Mount, Notch L eft
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