

(0,50 mm) .0197" (HQCD) (0,80 mm) .0315" (EQCD)

EQCD-040-04.00-TTL-STR-2

# Q STRIP® COAX CABLE ASSEMBLIES

## SPECIFICATIONS

For complete specifications see  
[www.samtec.com?HQCD](http://www.samtec.com?HQCD) or  
[www.samtec.com?EQCD](http://www.samtec.com?EQCD)

**Cable:**  
 38 AWG micro ribbon coax cable  
**Signal Routing:**  
 50Ω 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 50μ" (1,27 μm) Ni  
**Current Rating:**  
 EQCD: 500 mA per pin  
 HQCD: 300 mA per pin  
 (6 adjacent pins powered)  
**Cable Propagation Delay:**  
 4.79 nsec/meter  
**Operating Temp Range:**  
 -25°C to +105°C  
**Unmating Force (-RT1 option):**  
 -RT1 option increases  
 unmating force up to 50%  
**RoHS Compliant:** Yes

HQCD Mates with:  
 QTH, QSH

EQCD Mates with:  
 QTE, QSE



0,50 mm or  
 0,80 mm pitch

Socket or  
 Terminal

Surface Mount  
 or Panel Mount



38 AWG  
 micro ribbon  
 coax cable

Cable Length	Rated @ 7dB Insertion Loss	
	EQCD	HQCD
10" (0,25 m)	5.50 GHz / 11.00 Gbps	6.50 GHz / 13.00 Gbps

Performance and complete test data available at  
[www.samtec.com?EQCD](http://www.samtec.com?EQCD), [www.samtec.com?HQCD](http://www.samtec.com?HQCD)  
 or contact [sig@samtec.com](mailto:sig@samtec.com)

## RECOGNITIONS

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



## APPLICATIONS



Processing conditions will  
 affect mated height.

## ALSO AVAILABLE (MOV Required)

- Other sizes and lengths
  - Other terminations
  - Other wire AWG
  - Retention pin
- Contact Samtec.

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

**Note:** Design your High Speed  
 Cable with Samtec's High  
 Speed Cable Solutionator® at  
[www.samtec.com/hdr](http://www.samtec.com/hdr)

**Note:** This Series is  
 non-standard, non-returnable.

## TYPE

### HQCD

= (0,50 mm) .0197" pitch

### EQCD

= (0,80 mm) .0315" pitch

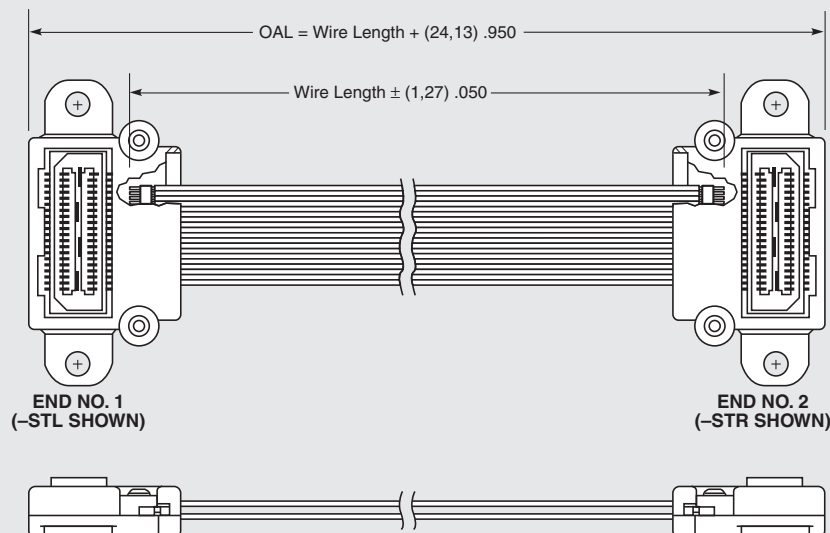
## NO. OF POSITIONS PER ROW

–030, –060, –090  
 (HQCD Series)

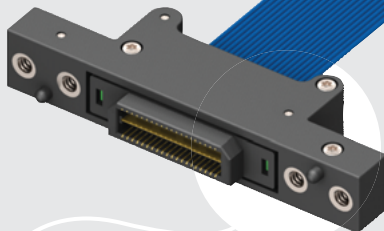
–020, –040, –060  
 (EQCD Series)

## WIRE LENGTH

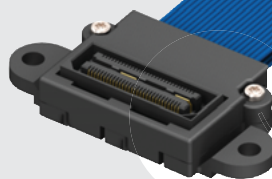
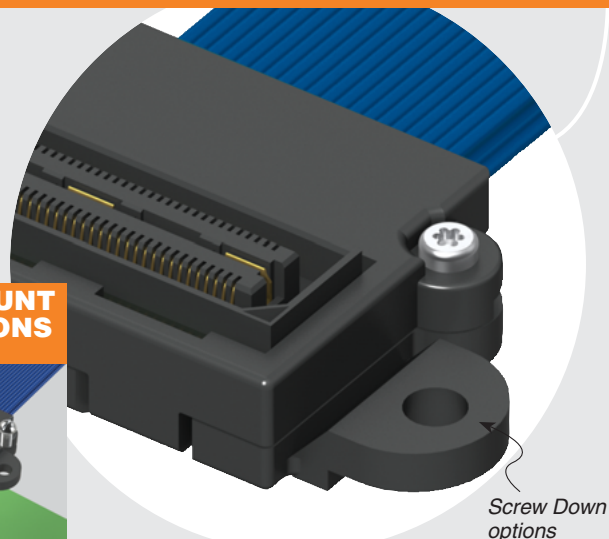
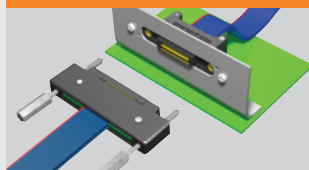
–“XX.XX”  
 = Wire Length in Inches  
 (43,7 mm) 01.72" minimum



EQCD-020-40.00-TPU-TTR-1



HQCD-030-06.00-STL-TTR-1-B

**HQCD, EQCD SERIES****SCREW MOUNT APPLICATIONS**  
(-F, -S, -B)**END NO. 1****END NO. 2****WIRING OPTION****END OPTIONS**Specify  
**END ASSEMBLIES**  
from chart**PANEL MOUNT END OPTION APPLICATIONS**  
(-TPU, -TPD, -SPU, SPD)

END 1 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

- 1**  
= Pin 1 to Pin 1
- 2**  
= Pin 1 to Pin 2
- 3**  
= Pin 1 to Second to Last Pin
- 4**  
= Pin 1 to Last Pin

END 1 or END 2	SURFACE MOUNT	
TTR		Terminal, Top Mount, Notch Right
TTL		Terminal, Top Mount, Notch Left
TBR		Terminal, Bottom Mount, Notch Right
TBL		Terminal, Bottom Mount, Notch Left
STR		Socket, Top Mount, Notch Right
STL		Socket, Top Mount, Notch Left
SBR		Socket, Bottom Mount, Notch Right
SBL		Socket, Bottom Mount, Notch Left

Leave blank for no Screw Mount &amp; Retention End Option

**-F**  
= Screw Mount End No. 1 only  
(N/A with XPX options)**-S**  
= Screw Mount End No. 2 only**-B**  
= Screw Mount Both Ends  
(N/A with XPX options)**-1**  
= 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