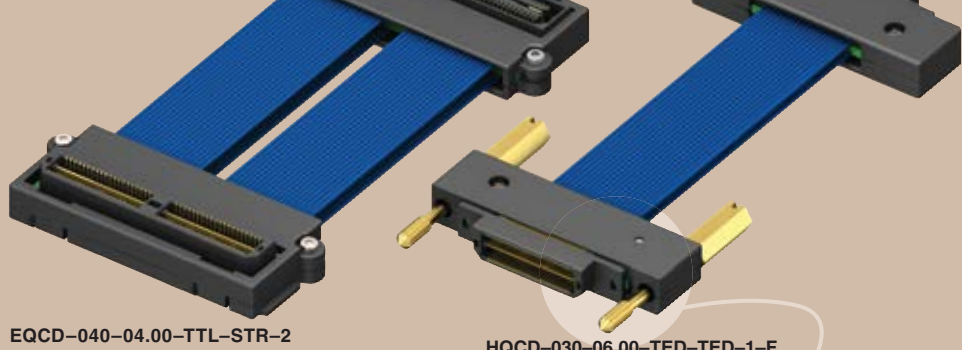




(0,50 mm) .0197"
(0,80 mm) .0315"

HQCD, EQCD SERIES



Q STRIP® COAX CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?HQCD or 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:

300 milliamp max per contact

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



- Screw & panel mount options
- Retention pins

Cable Length	Rated @ 7dB Insertion Loss	
	EQCD	HQCD
39.37" (1 m)	1.92 GHz / 3.84 Gbps	1.71 GHz / 3.42 Gbps

Performance and complete test data available at www.samtec.com?EQCD, www.samtec.com?HQCD or contact sig@samtec.com

Surface Mount,
Edge Mount or
Panel Mount

Socket or
Terminal

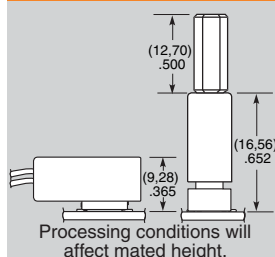
0,50 mm or
0,80 mm pitch

Screw Mount
options



38 AWG
micro ribbon
coax cable

APPLICATIONS



APPLICATION SPECIFIC

- Other sizes and lengths
 - Other terminations
 - Other wire AWG
- Contact Samtec

Note:

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

Note:

Verify part number with Samtec's Interactive Cable Builder at www.samtec.com/cable_builder/pitch.aspx

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, –120
(HQCD Series)

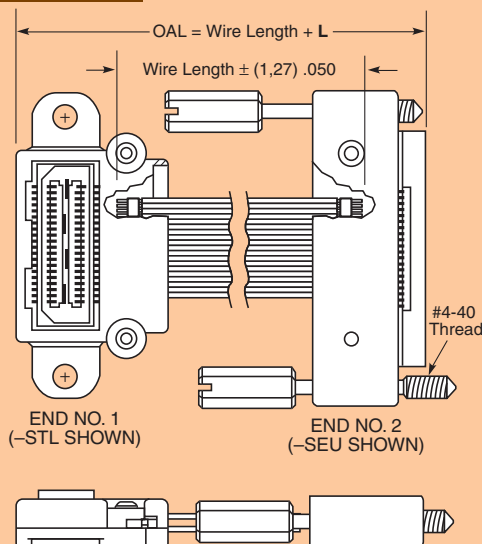
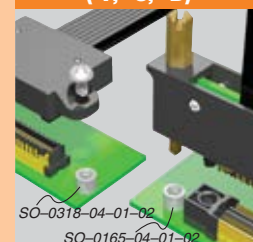
–020, –040, –060, –080
(EQCD Series)

WIRE LENGTH

–“XX.XX”

= Wire Length in Inches
(43,7 mm) 01.72" minimum

SCREW MOUNT APPLICATIONS (-F, -S, -B)



END NO. 1
(–STL SHOWN)

END NO. 2
(–SEU SHOWN)

#4-40
Thread

END TO END	L
Surface Mount to Surface Mount	(24,13) .950
Surface Mount to Edge Mount (Terminal)	(21,21) .835
Surface Mount to Edge Mount (Socket)	(20,47) .806
Edge Mount (Terminal) to Edge Mount (Terminal)	(18,29) .720
Edge Mount (Terminal) to Edge Mount (Socket)	(17,55) .691
Edge Mount (Socket) to Edge Mount (Socket)	(16,81) .662

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC NORTHWEST CALIFORNIA • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
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HQCD-030-06.00-STR-TTR-1-B

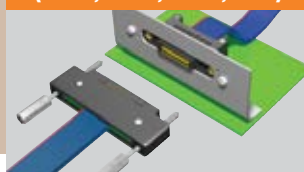
EQCD-020-06.00-TTR-STR-1-D

EQCD-020-40.00-TPU-TTR-1

RETENTION PIN APPLICATIONS (-L, -R, -D)



PANEL MOUNT END OPTION APPLICATIONS (-TPU, -TPD, -SPU, -SPD)



Retention pin option can increase unmating force up to 50%

#4-40 Thread

Panel Mount options

END NO. 1

END NO. 2

WIRING OPTION

END OPTIONS

Specify
END ASSEMBLIES
from chart

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

END 1 ONLY	PANEL MOUNT (Not available on HQCD 120 position and EQCD 80 positions)
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 & 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)

(N/A on 80 positions EQCD and 120 position HQCD)

-L
= End No. 1 Retention Pin or Socket

-R
= End No. 2 Retention Pin or Socket

-D
= Both Ends Retention Pin or Socket

-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

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