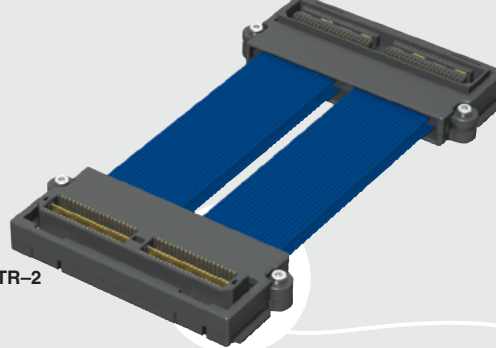




(0.50 mm) .0197" (HQCD) (0.80 mm) .0315" (EQCD)

Q STRIP® COAX CABLE ASSEMBLIES

SPECIFICATIONS

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

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 μ m) 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

RUGGEDIZED

— BY SAMTEC —

• Screw & panel
mount options

• Retention pins

0.50 mm or
0.80 mm pitch

Socket or
Terminal

Surface Mount
or Panel Mount

EYE
SPEED
CABLE

38 AWG
micro coax
ribbon cable

HIGH-SPEED CHANNEL PERFORMANCE

HQCD or EQCD

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

14
Gbps

RECOGNITIONS

For complete scope
of recognitions see
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

Notes:

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

Design your High-Speed Cable
with Samtec's High-Speed
Cable Solutionator® at
www.samtec.com/hdr

This Series is non-standard,
non-returnable.

TYPE

HQCD

= (0.50 mm) .0197" pitch

EQCD

= (0.80 mm) .0315" pitch

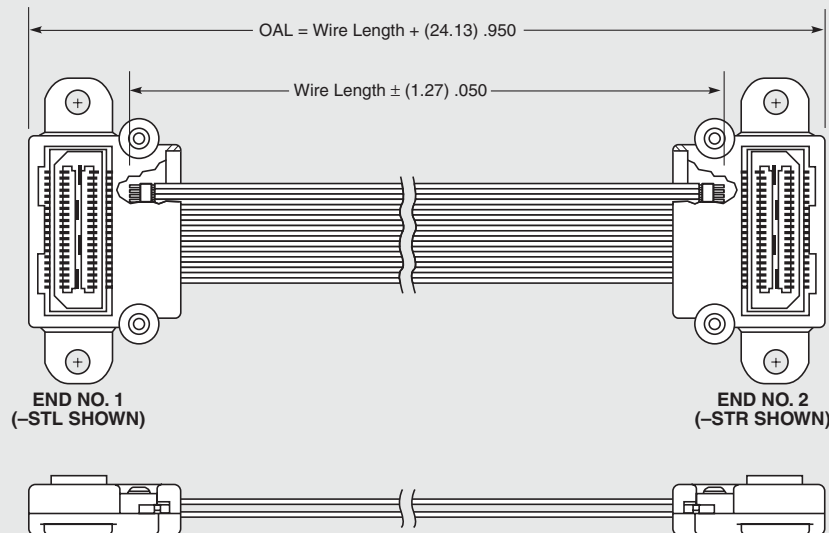
NO. OF POSITIONS PER ROW

—030, —060, —090
(HQCD Series)

—020, —040, —060
(EQCD Series)

WIRE LENGTH

—“XX.XX”
= Wire Length in Inches
(43.7 mm) 01.72" minimum



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

WWW.SAMTEC.COM

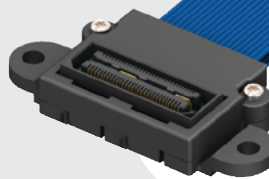
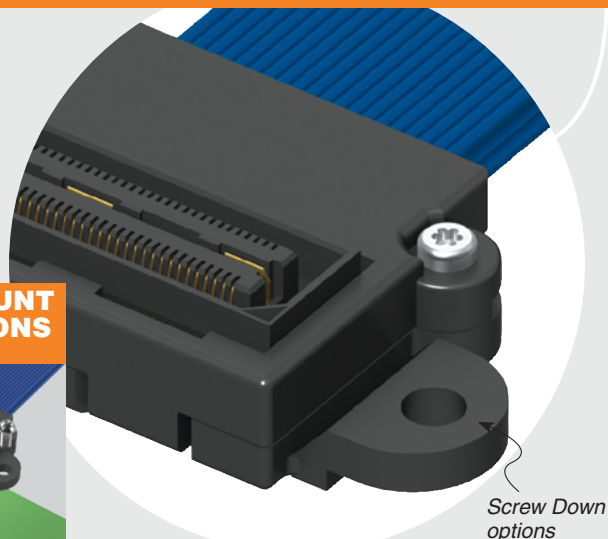
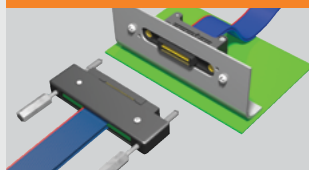
All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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

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)**-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

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

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