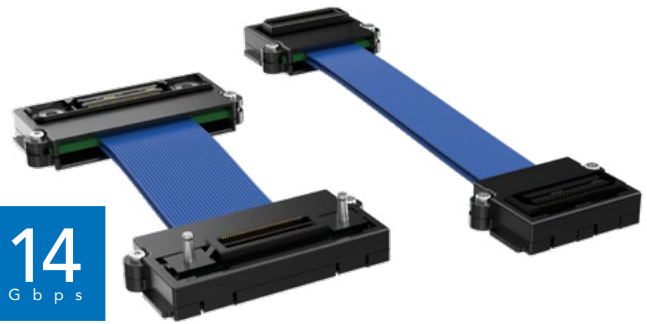# Q STRIP®

Q STRIP® COAX CABLE ASSEMBLIES

14 Gbps

(0.50 mm) .0197" & (0.80 mm) .0315" PITCH • HQCD/EQCD SERIES
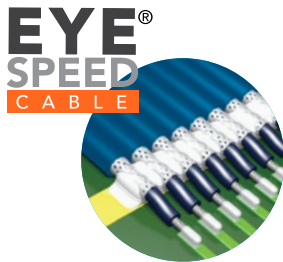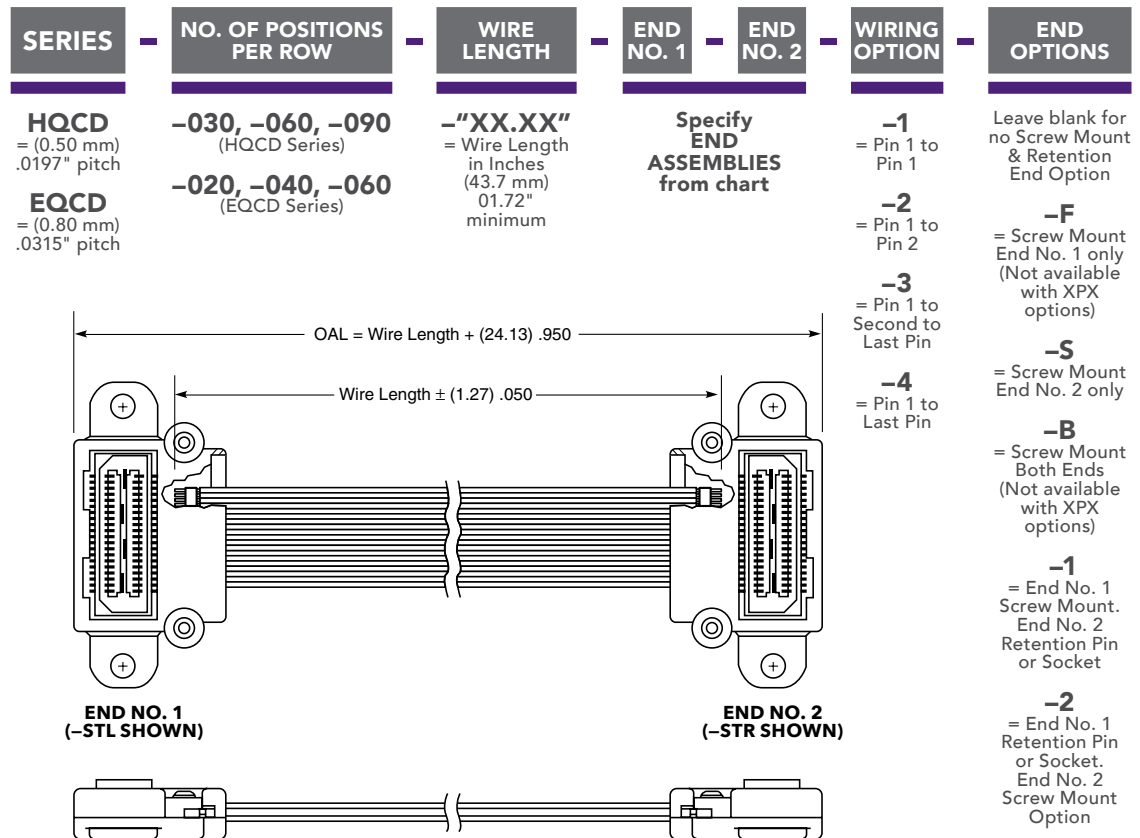
HQCD
Mates:
QTH, QSH

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)
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%

SERIES	NO. OF POSITIONS PER ROW	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	END OPTIONS
HQCD = (0.50 mm) .0197" pitch **EQCD** = (0.80 mm) .0315" pitch	**–030, –060, –090** (HQCD Series) **–020, –040, –060** (EQCD Series)	**–"XX.XX"** = Wire Length in Inches (43.7 mm) 01.72" minimum	Specify **END ASSEMBLIES** from chart		**–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

OAL = Wire Length + (24.13) .950

Wire Length ± (1.27) .050

END NO. 1 (–STL SHOWN)

END NO. 2 (–STR SHOWN)

EYE SPEED® CABLE

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 Builder 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, 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

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

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