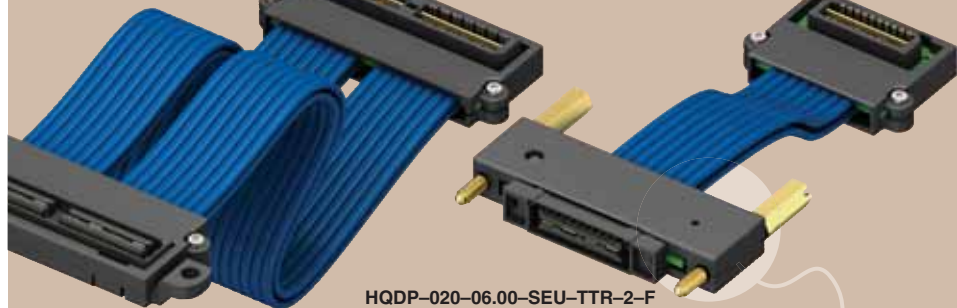




(0,50 mm) .0197" (HQDP) (0,80 mm) .0315" (EQDP)

EQDP-028-06.00-STR-TTL-3-F

HQDP, EQDP SERIES

Q PAIRS® TWINAX CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?EQDP or www.samtec.com?HQDP

Cable: 30 AWG twinax micro ribbon

Signal Routing: 100Ω Differential

Cable Bending Radius: (11,11 mm) 7/16" min

Plating: Au over 50μ" (1,27 μm) Ni

Current Rating: EQDP = 500 mA per pin
HQDP = 800 mA per pin (6 adjacent pins powered)

Propagation Delay: 4.67 nsec/meter

Operating Temp Range: -25°C to +105°C

Skew (pair-to-pair): <10 ps/ft

Skew (within a pair): <5 ps/ft

EMI Performance: FCC Class A

RoHS Compliant: Yes

EQDP Mates with:
QTE-DP, QSE-DP

HQDP Mates with:
QTH-DP, QSH-DP

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

Cable Length	Rated @ 7dB Insertion Loss	
	EQDP	HQDP
10" (0,25 m)	10.00 GHz / 20.00 Gbps	9.50 GHz / 19.00 Gbps

Performance data for other cable lengths and complete test data available at www.samtec.com?HQDP or www.samtec.com?EQDP or contact sig@samtec.com

Differential Pair routing

Surface Mount or Edge Mount

Socket or Terminal

30 AWG twinax ribbon cable

Optional Captive Screw or Screw Mount Option



RECOGNITIONS

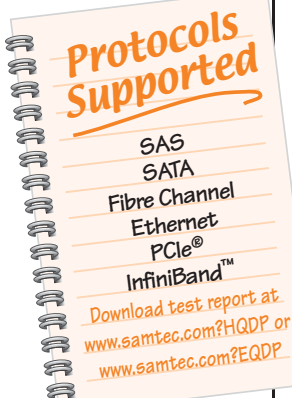
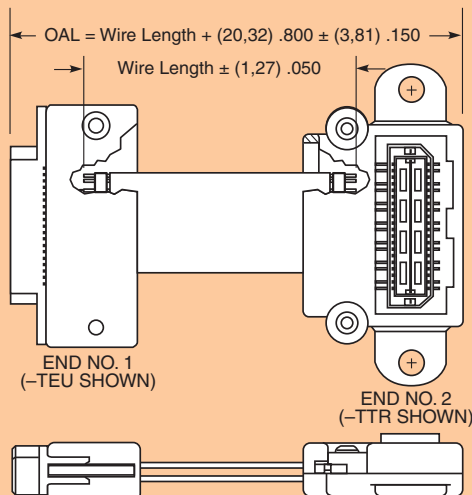
For complete scope of recognitions see www.samtec.com/quality



ALSO AVAILABLE (MOV Required)

- Pairs
 - Terminations
- Contact Samtec.

TYPE	NO. OF PAIRS	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	SCREW OPTION																		
HQDP = (0,50 mm) .0197" pitch	-020, -040, -060 (20 pairs per bank) HQDP Series	- "XX.XX" = Wire Length in Inches (43,7 mm) 01.72" minimum	Specify END ASSEMBLIES from chart		-1 = Pin 1 to Pin 1	Leave blank for no Screw Option																		
EQDP = (0,80 mm) .0315" pitch	-014, -028, -042, -056 (14 pairs per bank) EQDP Series				-2 = Pin 1 to Pin 2	-F = End No. 1																		
					-3 = Pin 1 to Second Last Pin	-S = End No. 2																		
					-4 = Pin 1 to Last Pin	-B = Both Ends																		
OAL = Wire Length + (20,32) .800 ± (3,81) .150 Wire Length ± (1,27) .050 END NO. 1 (-TEU SHOWN) END NO. 2 (-TTR SHOWN)																								
<table><tr><th>END</th><th>SURFACE MOUNT</th></tr><tr><td>TTR</td><td> Terminal, Top, Notch Right</td></tr><tr><td>TTL</td><td> Terminal, Top, Notch Left</td></tr><tr><td>TBR</td><td> Terminal, Bottom, Notch Right</td></tr><tr><td>TBL</td><td> Terminal, Bottom, Notch Left</td></tr><tr><td>STR</td><td> Socket, Top, Notch Right</td></tr><tr><td>STL</td><td> Socket, Top, Notch Left</td></tr><tr><td>SBR</td><td> Socket, Bottom, Notch Right</td></tr><tr><td>SBL</td><td> Socket, Bottom, Notch Left</td></tr></table>							END	SURFACE MOUNT	TTR	Terminal, Top, Notch Right	TTL	Terminal, Top, Notch Left	TBR	Terminal, Bottom, Notch Right	TBL	Terminal, Bottom, Notch Left	STR	Socket, Top, Notch Right	STL	Socket, Top, Notch Left	SBR	Socket, Bottom, Notch Right	SBL	Socket, Bottom, Notch Left
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Note: This Series is non-standard, non-returnable.

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

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