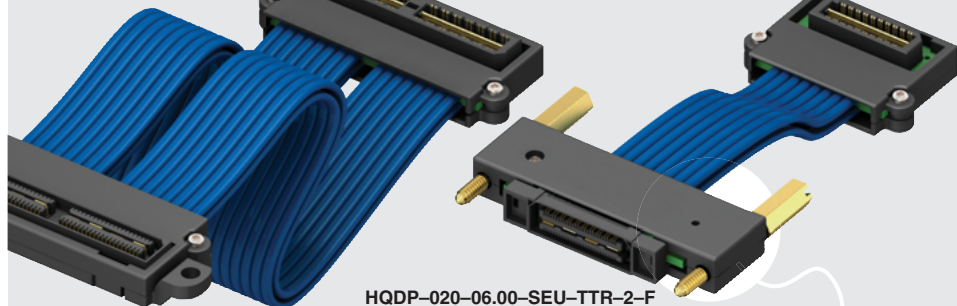




HQDP-020-06.00-SEU-TTR-2-F

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

HQDP, EQDP SERIES

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

QPAIRS® 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

Optional Captive Screw or Screw Mount Option



30 AWG twinax ribbon cable

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

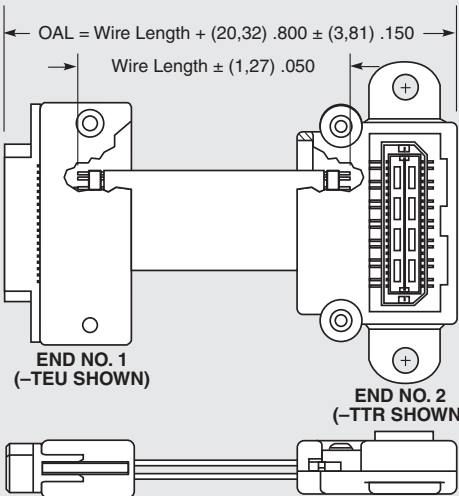
END	SURFACE MOUNT
TTR	 Terminal, Top, Notch Right
TTL	 Terminal, Top, Notch Left
TBR	 Terminal, Bottom, Notch Right
TBL	 Terminal, Bottom, Notch Left
STR	 Socket, Top, Notch Right
STL	 Socket, Top, Notch Left
SBR	 Socket, Bottom, Notch Right
SBL	 Socket, Bottom, Notch Left

END	EDGE MOUNT (HQDP only)
TEU	 Terminal, Edge, Notch Up
TED	 Terminal, Edge, Notch Down
SEU	 Socket, Edge, Notch Up
SED	 Socket, Edge, Notch Down

WIRING REQUIREMENTS	
WIRING OPTION	END OPTIONS
1 or 2	TTR, TBL, STL, SBR, TEU, SED to TTR, TBL, STL, SBR, TED, SEU or TTL, TBR, STR, SBL, TED, SEU to TTL, TBR, STR, SBL, TEU, SED or
3 or 4	TTR, TBL, STL, SBR, TEU, SED to TTL, TBR, STR, SBL, TEU, SED or TTL, TBR, STR, SBL, TED, SEU to TTR, TBL, STL, SBR, TED, SEU

OAL = Wire Length + (20,32) .800 ± (3,81) .150

Wire Length ± (1,27) .050



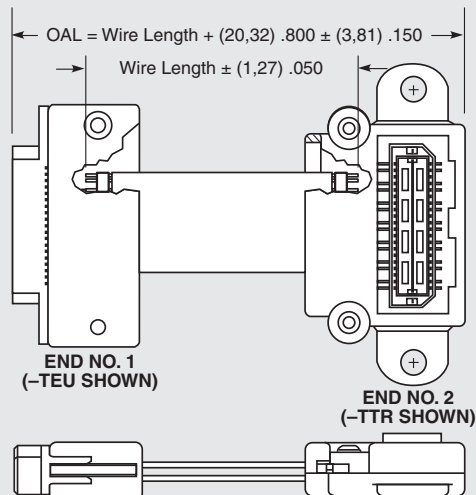
END NO. 1
(-TEU SHOWN)

END NO. 2
(-TTR SHOWN)

Protocols Supported

SAS
SATA
Fibre Channel
Ethernet
PCIe®
InfiniBand™

Download test report at
www.samtec.com?HQDP or
www.samtec.com?EQDP



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