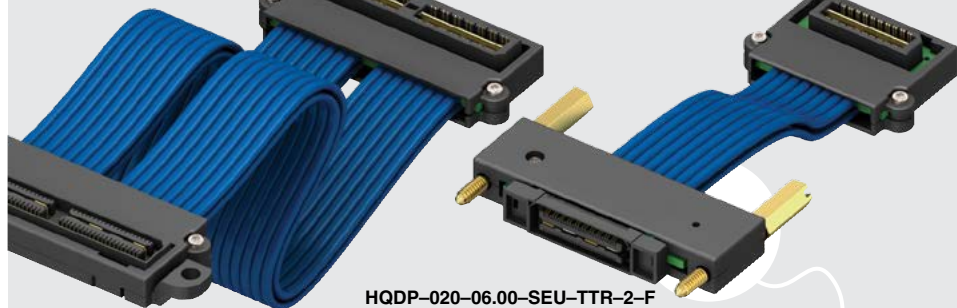




(0.50 mm) .0197" (HQDP) (0.80 mm) .0315" (EQDP)

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:
100 Ω Differential
Cable Bending Radius:
(3.18 mm) 1/8" min
Plating:
Au over 50 μ" (1.27 μm) Ni
Current Rating:
EQDP = 500 mA per pin
HQDP = 400 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:

EQDP Mates with:
QTE-DP, QSE-DP

HQDP Mates with:
QTH-DP, QSH-DP

Differential Pair
routing

Surface
Mount or
Edge Mount

**EYE
SPEED
CABLE**

30 AWG
twinax
ribbon cable

Socket or
Terminal

Optional Captive Screw or
Screw Mount Option

HIGH-SPEED CHANNEL PERFORMANCE

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

12
G b p s

13
G b p s

RECOGNITIONS

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



PROTOCOLS

- SAS
- SATA
- Fibre Channel
- Ethernet
- PCIe®
- InfiniBand™

ALSO AVAILABLE (MOV Required)

- Pairs
 - Terminations
- Contact Samtec.

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	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																	
			<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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