

HQDP-020-06.00-SEU-TTR-6-F

EQDP-028-06.00-STR-TTL-7-F

HQDP, EQDP SERIES

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

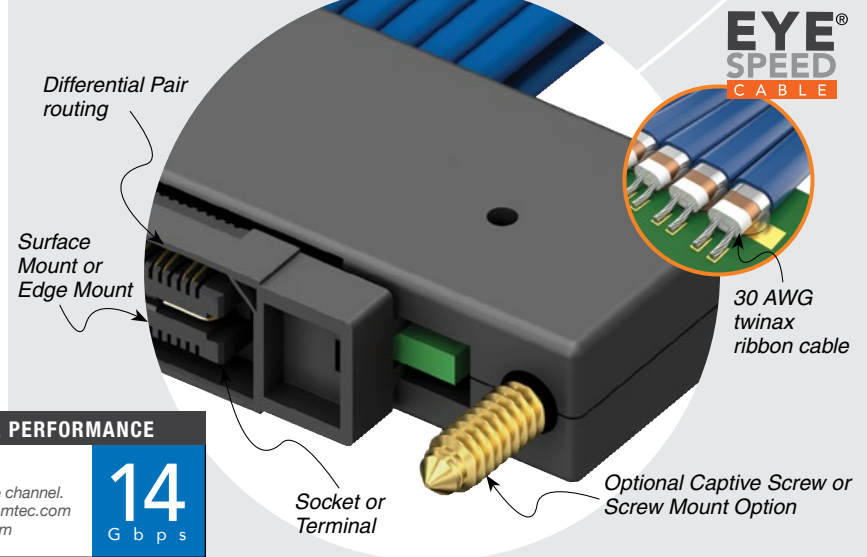
Q PAIRS® TWINAX CABLE ASSEMBLIES

SPECIFICATIONS

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

- Cable:** 30 AWG twinax 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:** Yes

EQDP Mates with: QTE-DP, QSE-DP
HQDP Mates with: QTH-DP, QSH-DP



HIGH-SPEED CHANNEL PERFORMANCE

HQDP or EQDP

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



ALSO AVAILABLE (MOV Required)

- Pairs
- Terminations

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		-5 = 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				-6 = Pin 1 to Pin 2	
			END	SURFACE MOUNT	-7 = Pin 1 to Second Last Pin	-S = End No. 2
			TTR	Terminal, Top, Notch Right	-8 = Pin 1 to Last Pin	-B = Both Ends
			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		
			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
5 or 6	TTR, TBL, STL, SBR, TEU, SED to TTR, TBL, STL, SBR, TED, SEU or TTL, TBR, STR, SBL, TEU, SED
	TTL, TBR, STR, SBL, TED, SEU to TTL, TBR, STR, SBL, TEU, SED
7 or 8	TTR, TBL, STL, SBR, TEU, SED to TTR, TBL, STR, SBL, TEU, SED or TTL, TBR, STR, SBL, TEU, SED
	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)

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.

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.