



Q PAIRS® TWINAX CABLE ASSEMBLIES

14
G b p s



(0.50 mm) .0197" & (0.80 mm) .0315" PITCH • HQDP/EQDP SERIES

EQDP

Mates:

QTE-DP, QSE-DP

HQDP

Mates:

QTH-DP, QSH-DP

SPECIFICATIONS

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 μ m) 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

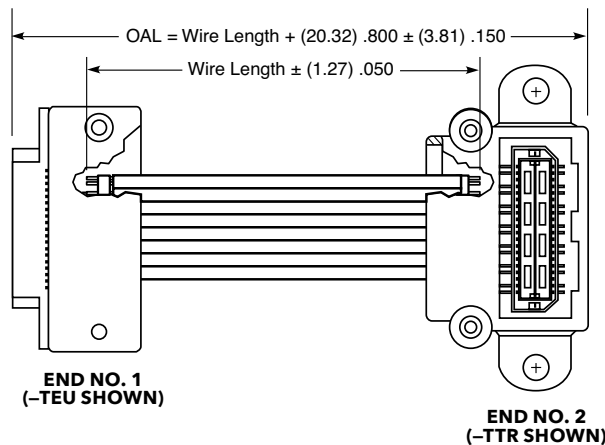
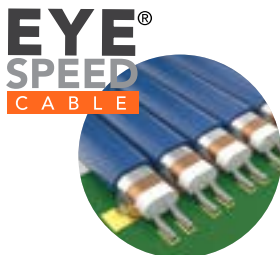
EMI Performance:

FCC Class A

SERIES	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 (14 pairs per bank) EQDP Series				-6 = Pin 1 to Pin 2	-F = End No. 1
					-7 = Pin 1 to Second Last Pin	-S = End No. 2
					-8 = 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	
TEU		Terminal, Edge, Notch Up
TED		Terminal, Edge, Notch Down
SEU		Socket, Edge, Notch Up
SED		Socket, Edge, Notch Down



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 Solutionator® at www.samtec.com/cablebuilder

This Series is non-standard, non-returnable.

WIRING REQUIREMENTS	
WIRING OPTION	END OPTIONS
5 or 6	TTR, TBL, STL, SBR, TEU, SED to TTR, TBL, STL, SBR, TEU, SEU or TTL, TBR, STR, SBL, TED, SEU to TTL, TBR, STR, SBL, TEU, SED
7 or 8	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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

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