



Q PAIRS® TWINAX CABLE ASSEMBLIES

14
Gbps



(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 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

SERIES

HQDP

= (0.50 mm)

.0197" pitch

EQDP

= (0.80 mm)

.0315" pitch

NO. OF PAIRS

-020,

-040, -060

(20 pairs per bank)

HQDP Series

-014,

-028, -042

(14 pairs per bank)

EQDP Series

WIRE LENGTH

-"XX.XX"

= Wire Length

in Inches

(43.7 mm)

01.72"

minimum

END NO. 1

Specify
END ASSEMBLIES
from chart

END NO. 2

WIRING OPTION

-5

= Pin 1 to

Pin 1

-6

= Pin 1 to

Pin 2

-7

= Pin 1 to

Second

Last Pin

-8

= Pin 1 to

Last Pin

SCREW OPTION

Leave blank
for no Screw
Option

-F

= End

No. 1

-S

= End

No. 2

-B

= Both

Ends

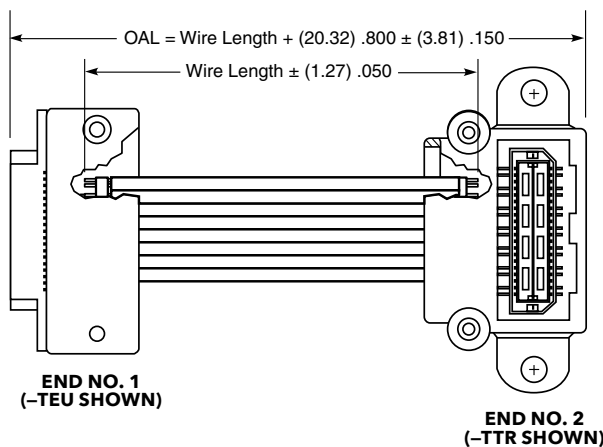
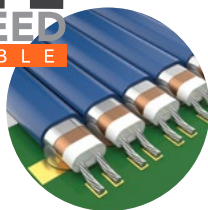
END	SURFACE MOUNT
TTR	Terminal, Top, Notch Right
TTL	Terminal, Top, Notch Left
TBR	Terminal, Bottom, Notch Right
TBL	Terminal, Bottom, Notch Left
STR	Socket, Top, Notch Right
STL	Socket, Top, Notch Left
SBR	Socket, Bottom, Notch Right
SBL	Socket, Bottom, Notch Left

END	EDGE MOUNT
TEU	Terminal, Edge, Notch Up
TED	Terminal, Edge, Notch Down
SEU	Socket, Edge, Notch Up
SED	Socket, Edge, Notch Down

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, 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

EYE
SPEED
CABLE



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 Builder at
www.samtec.com/cablebuilder

This Series is non-standard,
non-returnable.

Mouser Electronics

Authorized Distributor

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

Samtec:

[HQDP-020-10.00-TEU-SEU-5](#)