

EQDP-028-06.00-STR-TTL-1-S

HQDP-020-06.00-SEU-TTL-2-F

0,50mm & 0,80mm TWINAX EQDP, HQDP SERIES

SPECIFICATIONS

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

Cable:

30 AWG twinax micro ribbon

Signal Routing:

100Ω Differential

Overall Length:

(152mm) 6" to (1m) 40" standard

Cable Bending Radius:

(11,11mm) 7/16" min

Current Rating:

1 A max

Propagation Delay:

4.67 nsec/meter

Operating Temp Range:

-20°C to +90°C

Skew (pair-to-pair):

<10 ps/ft

Skew (within a pair):

<5 ps/ft

EMI Performance:

FCC Class A

Cable Flexing Life:

Testing Now!

RoHS Compliant:

Yes



EQDP Mates with:
QTE-DP, QSE-DP

HQDP Mates with:
QTH-DP, QSH-DP



Differential Pair routing

Surface Mount or Edge Mount

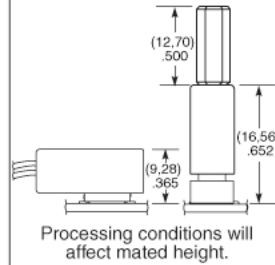
Twinax ribbon cable

Socket or Terminal

Optional Screw Down

Cable Length	Rated @ -3dB Insertion Loss	
	EQDP	HQDP
6" (152,4mm)	5.06 GHz / 10.12 Gbps	1.92 GHz / 3.84 Gbps
12" (304,8mm)	4.74 GHz / 9.48 Gbps	2.12 GHz / 2.32 Gbps
19.68" (0,5m)	4.46 GHz / 8.92 Gbps	1.64 GHz / 3.28 Gbps
39.37" (1m)	1.59 GHz / 3.18 Gbps	1.37 GHz / 2.74 Gbps

APPLICATIONS



Processing conditions will affect mated height.

END TO END	L
Surface Mount to Surface Mount	(24,13) .950
Surface Mount to Edge Mount (Terminal)	(21,21) .835
Surface Mount to Edge Mount (Socket)	(20,47) .806
Edge Mount (Terminal) to Edge Mount (Terminal)	(18,29) .720
Edge Mount (Terminal) to Edge Mount (Socket)	(17,55) .691
Edge Mount (Socket) to Edge Mount (Socket)	(16,81) .662

TYPE	NO. OF PAIRS	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	SCREW OPTION
HQDP = (0,50mm) .0197" pitch	-020, -040, -060, -080 (20 pairs per bank) HQDP Series	- "XX.XX" = Wire Length in Inches (152mm) 06.00" to (1m) 40.00"	Specify END ASSEMBLIES from chart		-1 = Pin 1 to Pin 1	Leave blank for no Screw Option
EQDP = (0,80mm) .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
TEU	Terminal, Edge, Notch Up
TED	Terminal, Edge, Notch Down
SEU	Socket, Edge, Notch Up
SED	Socket, Edge, Notch Down

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
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

Note:
Verify part number with Samtec's Interactive Cable Builder at www.samtec.com/cable_builder/pitch.asp

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

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