

0,635mm TWINAX CABLES 6QDPS, 6QDP SERIES

SPECIFICATIONS

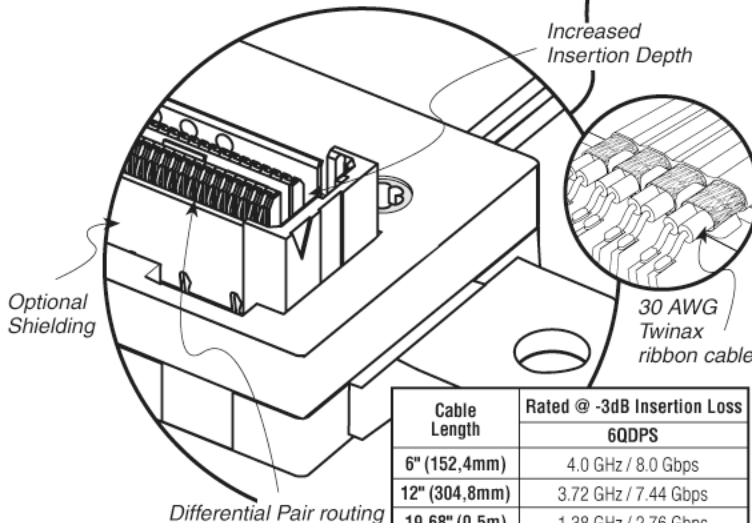
For complete specifications see www.samtec.com?6QDPS or www.samtec.com?6QDP

- Cable:** 30 AWG twinax micro ribbon
- Signal Routing:** 100Ω Differential
- Cable Bending Radius:** (11,11mm) 7/16" min
- Plating:** Au over 50µ" (1,27µm) Ni
- 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
- RoHS Compliant:** Yes

Mates with:
QMSS-DP, QFSS-DP,
QMS-DP, QFS-DP

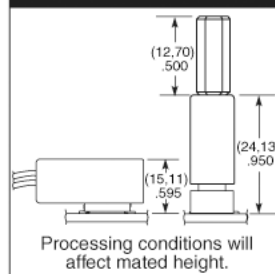


APPLICATIONS



| Cable Length | Rated @ -3dB Insertion Loss |
|---------------|-----------------------------|
| | 6QDPS |
| 6" (152,4mm) | 4.0 GHz / 8.0 Gbps |
| 12" (304,8mm) | 3.72 GHz / 7.44 Gbps |
| 19.68" (0,5m) | 1.38 GHz / 2.76 Gbps |
| 39.37" (1m) | 1.04 GHz / 2.08 Gbps |

APPLICATIONS



TYPE

NO. OF PAIRS

WIRE LENGTH

END NO. 1

END NO. 2

WIRING OPTION

SCREW OPTION

6QDPS

= Shielded mates with QMSS-DP/ QFSS-DP

6QDP

= Unshielded mates with QMS-DP/QFS-DP

-016,
-032,
-048,
-064

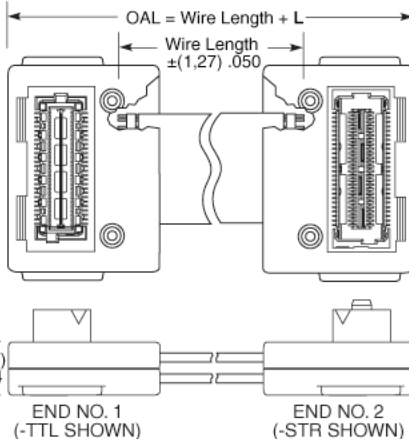
- "XX.X"
= Wire Length in Inches
(152mm) 06.0" to
(1m) 40.0" Max.

Specify
END
ASSEMBLIES
from chart

- 1 = Pin 1 to Pin 1
- 2 = Pin 1 to Pin 2
- 3 = Pin 1 to Second Last Pin
- 4 = Pin 1 to Last Pin

- Leave blank for no Screw Option
- F = End No. 1
- S = End No. 2
- B = Both Ends

| END TO END | L |
|--|--------------|
| Surface Mount to Surface Mount | (23,88) .940 |
| Surface Mount to Edge Mount (Terminal) | (21,08) .830 |
| Surface Mount to Edge Mount (Socket) | (20,35) .801 |
| 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 |



| SURFACE MOUNT | | |
|--------------------------------------|-------|-------|
| ASSEMBLY | END 1 | END 2 |
| -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 | | |

| EDGE MOUNT | | |
|-----------------------------------|-------|-------|
| ASSEMBLY | END 1 | END 2 |
| -TEU = Terminal, Edge, Notch Up | | |
| -TED = Terminal, Edge, Notch Down | | |

| WIRING REQUIREMENTS | |
|---------------------|--|
| WIRING OPTION | END OPTIONS |
| 1 or 2 | TTR, TBL, STL, SBR, TEU to TTR, TBL, STL, SBR, TEU or TTL, TBR, STR, SBL, TED to TTL, TBR, STR, SBL, TEU |
| 3 or 4 | TTL, TBR, STR, SBL, TED to TTR, TBL, STL, SBR, TEU or TTR, TBL, STL, SBR, TEU to TTL, TBR, STR, SBL, TEU |

Note: Verify part number and correct wiring scheme 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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