

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

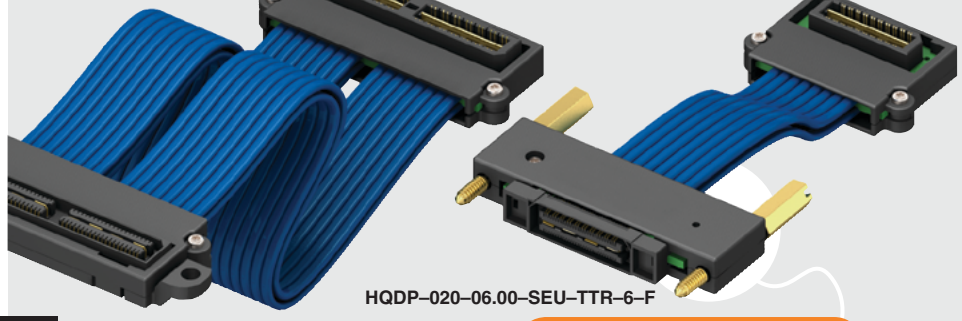
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

samtec

QPAIRS®



HQDP–020–06.00–SEU–TTR–6–F

(0.50 mm) .0197"(HQDP) (0.80 mm) .0315"(EQDP) EQDP–028–06.00–STR–TTL–7–F

HQDP, EQDP SERIES

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

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

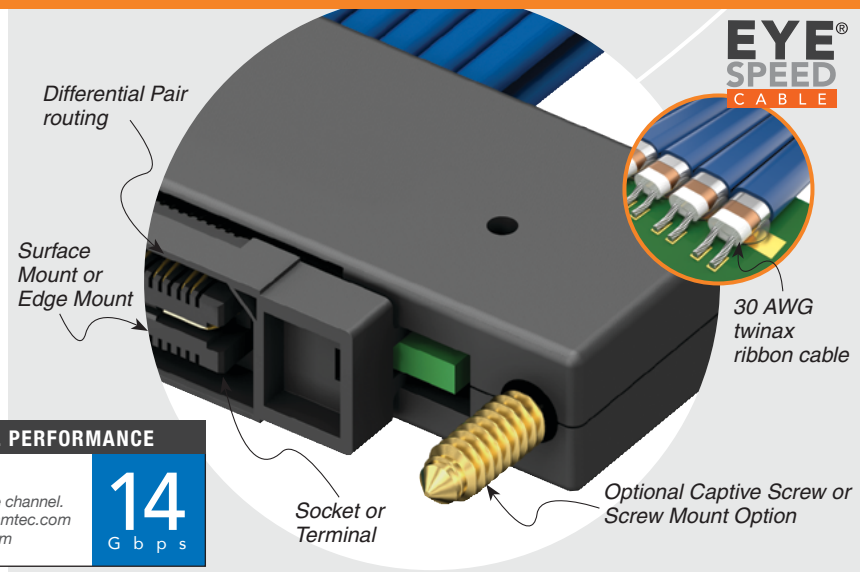
FILE NO. E111594

ALSO AVAILABLE
(MOV Required)

- Pairs
- Terminations

EQDP Mates with:
QTE-DP, QSE-DP

HQDP Mates with:
QTH-DP, QSH-DP

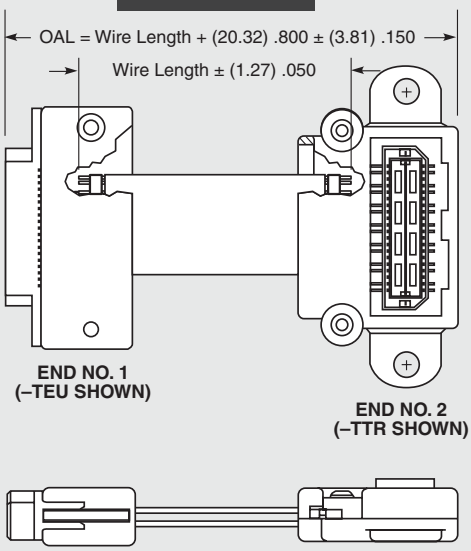


HIGH-SPEED CHANNEL PERFORMANCE

HQDP or EQDP
Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

14 Gbps

TYPE	NO. OF PAIRS	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	SCREW OPTION
HQDP = (0.50 mm) .0197" pitch **EQDP** = (0.80 mm) .0315" pitch	–020, –040, –060 (20 pairs per bank) HQDP Series –014, –028, –042, –056 (14 pairs per bank) EQDP Series	–"XX.XX" = Wire Length in Inches (43.7 mm) 01.72" minimum	Specify END ASSEMBLIES from chart		–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	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 (HQDP only)
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

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.

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.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP