F-224 SUPPLEMENT

samtec

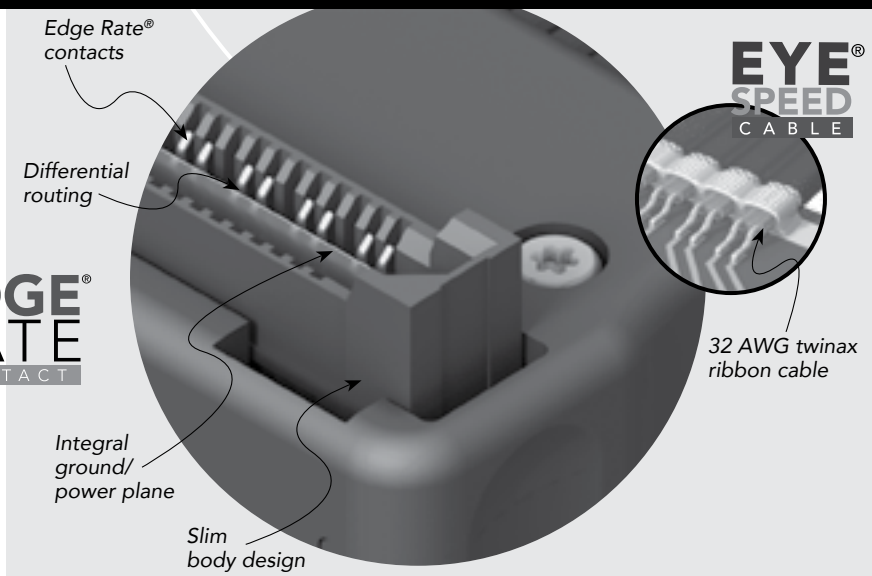
QRATE®

EQRP-018-08.00-STR-TTL-1

(0.80 mm) .0315"

EQRP SERIES

Q RATE® TWINAX CABLE ASSEMBLY



SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?EQRP

Cable:
32 AWG twinax micro ribbon
Signal Routing:
100 Ω Differential
Cable Bending Radius:
(11.11 mm) 7/16" min
Plating:
Au over 50 µ" (1.27 µm) Ni
Current Rating:
Signal Contact:
.6 A per pin
(All adjacent pins powered)
Ground Plane:
7.9 A per ground plane
(1 ground plane 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

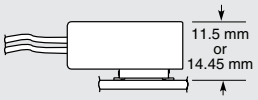
Mates with:
QRF8-DP, QRM8-DP

RECOGNITIONS

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

FILE NO. E111594

APPLICATIONS



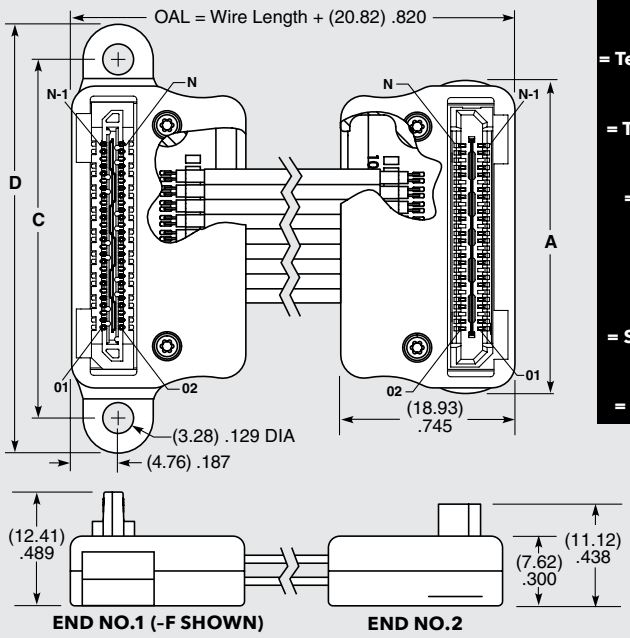
Processing conditions will affect mated height.

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

Some lengths, styles and options are non-standard, non-returnable.

EQRP	NO. OF PAIRS	WIRE LENGTH	END NO. 1	END NO. 2	WIRING OPTION	SCREW OPTION
	-018, -036, -054 (Number of Pairs)	-"XX.XX" = Wire Length in Inches (43.7 mm) 01.72" minimum	-TTR = Terminal, Top Right -TTL = Terminal, Top Left -TBR = Terminal, Bottom Right -TBL = Terminal, Bottom Left -STR = Socket, Top Right -STL = Socket, Top Left -SBR = Socket, Bottom Right -SBL = Socket, Bottom Left		-1 = Pin 1 to Pin 1 -2 = Pin 1 to Pin 2 -3 = Pin 1 to Pin N-1 -4 = Pin 1 to Pin N	Leave blank for no Screw Option -F = Screw option (First end only) -S = Screw option (Second end only) -B = Screw option (Both ends)



NO. OF POSITIONS	A	C	D
-018	(33.02) 1.300	(39.12) 1.540	(46.74) 1.840
-036	(57.81) 2.276	(63.91) 2.516	(71.53) 2.816
-054	(82.63) 3.253	(88.70) 3.492	(96.32) 3.792