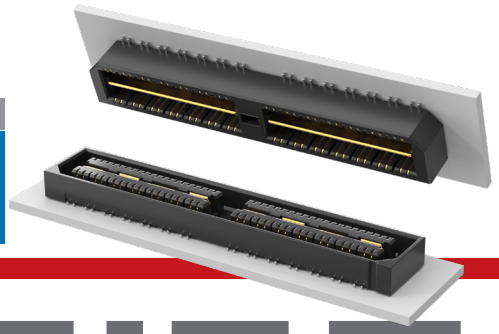
QSTRIP®

NRZ 28 Gbps



(0.80 mm) .0315" PITCH • QTE/QSE SERIES

QTE
Board Mates:
QSE

QSE
Board Mates:
QTE

QTE/QSE
Cable Mates:
EQCD, EQDP

Standoffs:
SO

SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating:
Contact:
2 A per pin (2 pins powered)
Ground Plane:
23 A per ground plane
(1 ground plane powered)
Voltage Rating:
225 VAC/318 VDC
Max Cycles:
100

PROCESSING

Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max
(020-060)
Board Stacking:
For applications requiring more than two connectors contact ipg@samtec.com

10 YEAR MFG
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

QTE - PINS PER ROW NO. OF PAIRS - LEAD STYLE - PLATING OPTION - TYPE - A - OTHER OPTIONS - "X"R

PINS PER ROW NO. OF PAIRS
–020, –040, –060
(40 total pins per bank = –D)
–014, –028, –042
(14 pairs per bank = –D–DP)

LEAD STYLE
Specify LEAD STYLE from Chart

PLATING OPTION
–F
= Gold flash on contact, Matte Tin on tail
–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail
–C
= 50 µ" (1.27 µm) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)

TYPE
–D
= Single-Ended
–D–DP
= Differential Pair (–01 only)

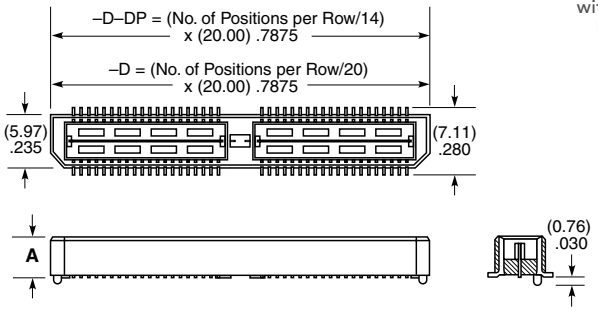
A

OTHER OPTIONS
–K
= (7.00 mm) .275" DIA Polyimide film Pick & Place Pad
–L
= Latching Option (N/A on –042 & –060 positions)

"X"R
Leave blank for Tray Packaging
–TR
=Tape & Reel (Not available with –05 & –07 lead style)
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (Not available with –05 & –07 lead style)

QTE LEAD STYLE	A	HEIGHT WITH QSE*
–01	(4.27) .168	(5.00) .197
–02	(7.26) .286	(8.00) .315
–03	(10.27) .404	(11.00) .433
–04	(15.25) .600	(16.00) .630
–05	(18.26) .718	(19.00) .748
–07	(24.24) .954	(25.00) .984
–09	(13.26) .522	(14.00) .551

*Processing conditions will affect mated height. See SO Series for board space tolerances.



View complete specifications at: **samtec.com?QTE**

QSE - PINS PER ROW NO. OF PAIRS - 01 - PLATING OPTION - TYPE - A - OTHER OPTIONS - "X"R

PINS PER ROW NO. OF PAIRS
–020, –040, –060
(40 total pins per bank = –D)
–014, –028, –042
(14 pairs per bank = –D–DP)

01

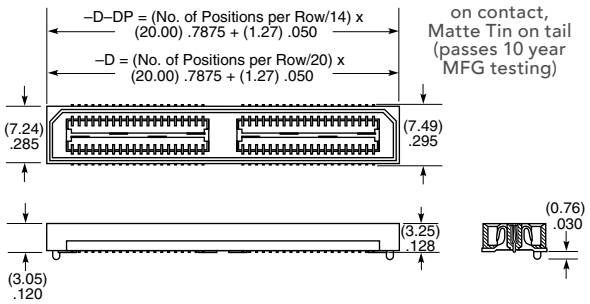
PLATING OPTION
–F
= Gold flash on contact, Matte Tin on tail
–L
=10 µ" (0.25 µm) Gold on contact, Matte Tin on tail
–C
= 50 µ" (1.27 µm) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)

TYPE
–D
= Single-Ended
–D–DP
= Differential Pair

A

OTHER OPTIONS
–GP
= Guide Post
–K
= (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad
–L
= Latching Option (Not available on –042 & –060 positions)

"X"R
Leave blank for Tray Packaging
–TR
=Tape & Reel (40 positions max. with –GP)
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (40 positions max. with –GP)



View complete specifications at: **samtec.com?QSE**

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

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.