



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

NRZ
28
Gbps



QTE
Board Mates:
QSE

QSE
Board Mates:
QTE

QTE/QSE

Cable Mates:
EQCD, EQDP

Standoffs:
SO

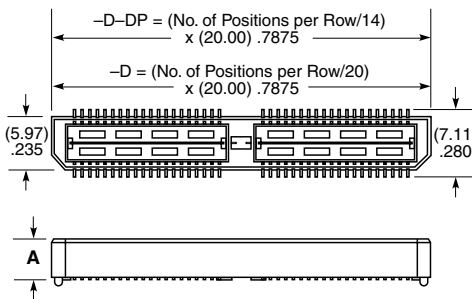
SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 μ " (1.27 μ m) Ni
Current Rating:
Contact:
2 A per pin (2 pins powered)
Ground Plane:
23 A per ground plane
(1 ground plane powered)
Operating Temp Range:
-55 °C to +125 °C
Voltage Rating:
225 VAC when mated & 5 mm Stack Height
Max Cycles:
100

QTE	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
	-020, -040, -060 (40 total pins per bank = -D)	Specify LEAD STYLE from Chart	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail -C = 50 μ " (1.27 μ m) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)	-D = Single- Ended -D-DP = Differential Pair (-01 only)		-K = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad -L = Latching Option (N/A on -042 & -060 positions)	-TR = Tape & Reel (N/A -05 to -07 lead style) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (N/A -05 to -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.



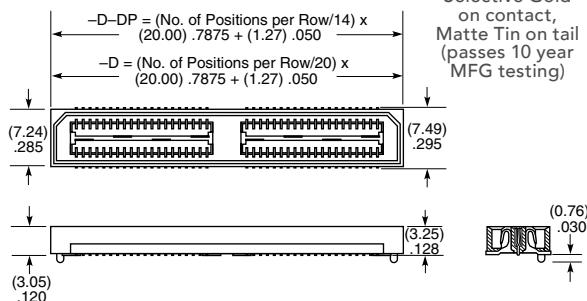
View complete specifications at: samtec.com?QTE

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



QSE	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
	-020, -040, -060 (40 total pins per bank = -D) -014, -028, -042 (14 pairs per bank = -D-DP)		-F = Gold flash on contact, Matte Tin on tail -L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail -C = 50 μ " (1.27 μ m) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)	-D = Single- Ended -D-DP = Differential Pair (-01 only)		-GP = Guide Post (-020 only) -K = (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad -L = Latching Option (N/A on -042 & -060 positions)	-TR = Tape & Reel -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



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

View complete specifications at: samtec.com?QSE

samtec.com/QStrip

F-221 (Rev 12JUL21)