



(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
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

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.

-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)

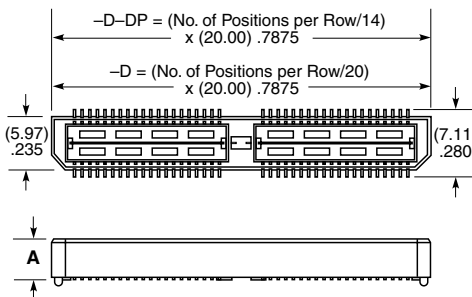
-K
= (7.00 mm)
.275" DIA
Polyimide
film Pick &
Place Pad

-L
= Latching
Option
(N/A on
-042 & -060
positions)

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)

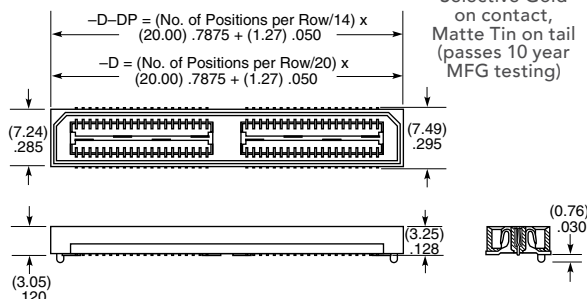


PROCESSING

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

View complete specifications at: samtec.com?QTE

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)		-F = Gold flash on contact, Matte Tin on tail	-D = Single- Ended		-GP = Guide Post	Leave blank for Tray Packaging
	-014, -028, -042 (14 pairs per bank = -D-DP)		-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail	-D-DP = Differential Pair		-K = (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad	-TR =Tape & Reel (40 positions max. with -GP)
			-C = 50 μ " (1.27 μ m) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)			-L = Latching Option (Not available on -042 & -060 positions)	-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (40 positions max. with -GP)



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

View complete specifications at: samtec.com?QSE