



QTE Board Mates: QSE

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QTE/QSE

Cable Mates: EQCD, EQDP

Standoffs: SO

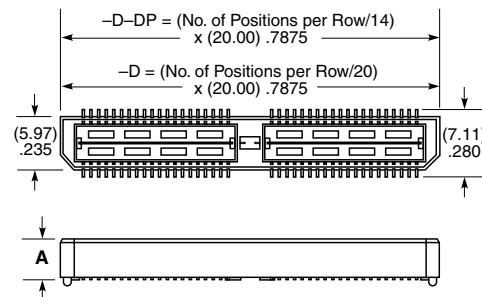
SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
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
	-020, -040, -060 (40 total pins per bank = -D)	Specify LEAD STYLE from Chart	-F = Gold flash on contact, Matte Tin on tail	-D = Single- Ended		-K = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad
	-014, -028, -042 (14 pairs per bank = -D-DP)		-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-D-DP = Differential Pair (-01 only)		-L = Latching Option (N/A on -042 & -060 positions)
			-C = 50 μ" (1.27 mm) Electro- Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)			-TR = Tape & Reel (N/A -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.



-FR
= Full Reel Tape
& Reel (must
order maximum
quantity per reel;
contact Samtec
for quantity
breaks)
(N/A -05 & -07
Lead Style)

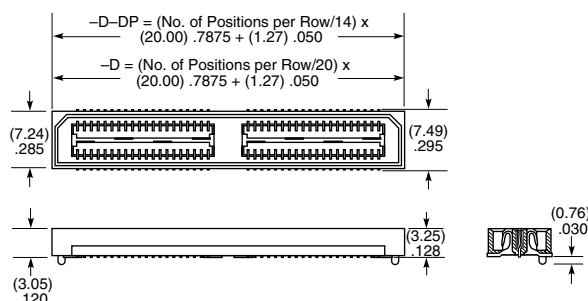
View complete specifications at: samtec.com?QTE

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
	-020, -040, -060 (40 total pins per bank = -D)		-F = Gold flash on contact, Matte Tin on tail	-D = Single- Ended		-GP = Guide Post (-020 only)
	-014, -028, -042 (14 pairs per bank = -D-DP)		-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-D-DP = Differential Pair (-01 only)		-K = (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad
			-C = 50 μ" (1.27 mm) Electro- Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)			-L = Latching Option (N/A on -042 & -060 positions)



-TR
= Tape & Reel

-FR
= Full Reel Tape
& Reel (must
order maximum
quantity per reel;
contact Samtec
for quantity
breaks)

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

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