



(0.635 mm) .025" PITCH • QTS/QSS SERIES

NRZ
25
Gbps



QTS
Board Mates:
QSS

QSS
Board Mates:
QTS

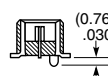
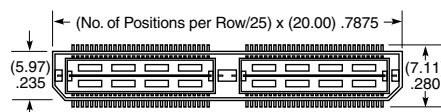
QTS/QSS

Cable Mates:
SQCD

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:
1.8 A per pin (2 pins powered)
Ground Plane:
23.1 A per ground plane
(1 ground plane powered)
Operating Temp Range:
-55 °C to +125 °C
Voltage Rating:
285 VAC
Max Cycles:
100



QTS	NO. OF POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	D	A	OTHER OPTIONS	"X"R
	-025, -050, -075 (50 total positions per bank)	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)			-K = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad	Leave blank for Tray Packaging -TR = Tape & Reel -FR = Full Reel Tape & Reel must order max. quantity per reel; contact Samtec for quantity breaks)

QTS LEAD STYLE	A	MATED HEIGHT WITH QSS
-01	(4.27) .168	(5.00) .197
-02	(7.26) .286	(8.00) .315

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

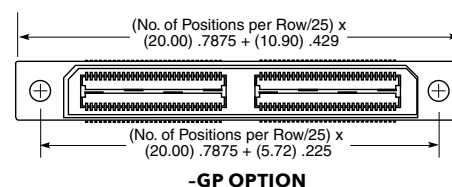
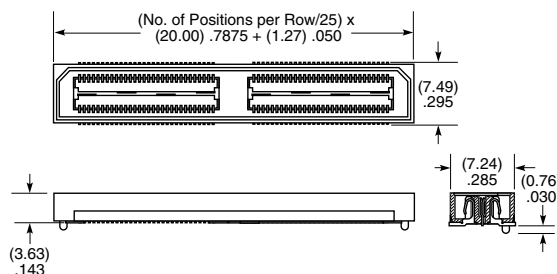
View complete specifications at: samtec.com?QTS

PROCESSING

Lead-Free Solderable:
Yes
QTS SMT Lead Coplanarity:
(0.10 mm) .004" max (025-075)
QSS SMT Lead Coplanarity:
(0.10 mm) .004" max (025-050)
(0.15 mm) .006" max (075)*
*(.004" stencil solution may be available; contact ipg@samtec.com)
Board Stacking:
For applications requiring more than two connectors contact ipg@samtec.com



QSS	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	A	OTHER OPTIONS	"X"R
	-025, -050, -075 (50 total positions per bank)		-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)			-GP = Guide Holes for mating with QTS-RA -K = (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad	Leave blank for Tray Packaging -TR = Tape & Reel -FR = Full Reel Tape & Reel must order max. quantity per reel; contact Samtec for quantity breaks)



-GP OPTION

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

View complete specifications at: samtec.com?QSS

Mouser Electronics

Authorized Distributor

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[Samtec:](#)

[QTS-075-01-F-D-RA-WT-SP-P](#) [QTS-050-04-C-D-A-K-TR](#) [QTS-032-01-L-D-DP](#) [QTS-048-01-L-D-DP](#) [QTS-050-01-L-D-A-GP-TR](#) [QTS-050-01-F-D-GP-K](#) [QTS-050-01-L-D-K](#) [QTS-025-01-L-D-K-TR](#) [QTS-050-01-F-D-A-GP-K](#) [QTS-050-01-H-D-A-GP](#) [QTS-016-02-F-D-DP](#) [QTS-025-01-L-D-A-GP-K-TR](#) [QTS-048-01-H-D-DP-RA-WT](#)