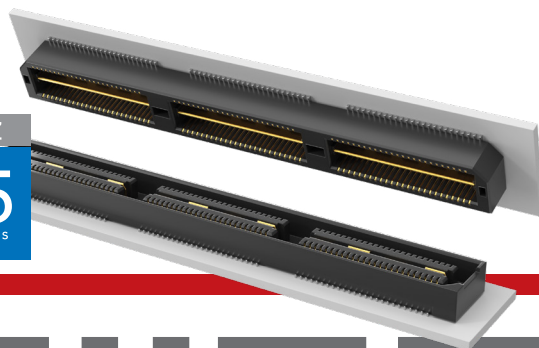




(0.635 mm) .025" PITCH • QTS/QSS SERIES

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

Operating Temp Range:

-55 °C to +125 °C

Current Rating:

Contact:
1.3 A per pin (2 pins powered)

Ground Plane:

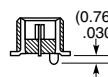
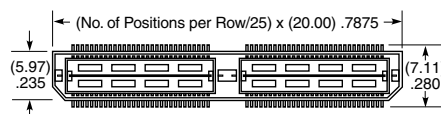
23.1 A per ground plane
(1 ground plane powered)

Voltage Rating:

275 VAC/389 VDC

Max Cycles:

100



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

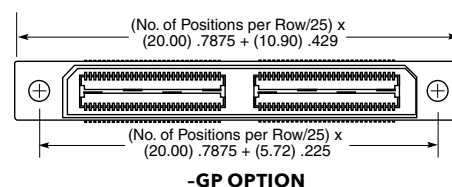
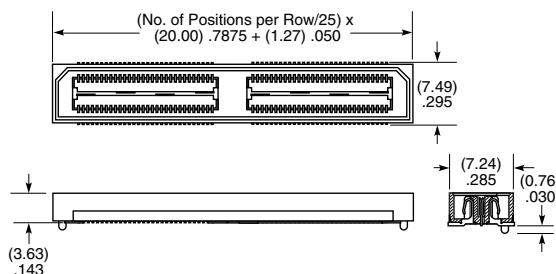
ipg@samtec.com)

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)



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

View complete specifications at: samtec.com?QSS

samtec.com/QStrip

F-224 (Rev 25FEB25)

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.