



(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



QTS - **NO. OF POSITIONS PER ROW** - **LEAD STYLE** - **PLATING OPTION** - **D** - **A** - **OTHER OPTIONS** - **"X"R**

NO. OF POSITIONS PER ROW
-025, -050, -075
(50 total positions per bank)

LEAD STYLE
Specify LEAD STYLE from Chart

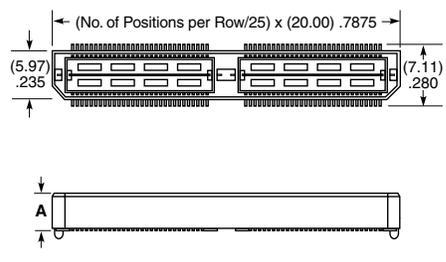
PLATING OPTION
-F = Gold flash on contact, Matte Tin on tail
-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail
-C = 50 μ" (1.27 μm) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)

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

"X"R
Leave blank for Tray Packaging
-TR = Tape & Reel
-FR = Full Reel Tape & Reel must order max. quantity per reel; contact Samtec for quantity breaks)

SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over 50 μ" (1.27 μm) 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



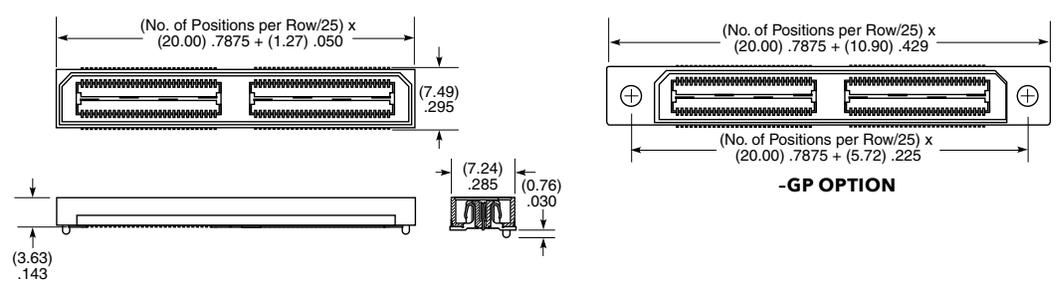
QSS - **NO. OF POSITIONS PER ROW** - **01** - **PLATING OPTION** - **D** - **A** - **OTHER OPTIONS** - **"X"R**

NO. OF POSITIONS PER ROW
-025, -050, -075
(50 total positions per bank)

PLATING OPTION
-F = Gold flash on contact, Matte Tin on tail
-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail
-C = 50 μ" (1.27 μm) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing)

OTHER OPTIONS
-GP = Guide Holes for mating with QTS-RA
-K = (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad

"X"R
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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[QSS-050-01-L-D-LC-K](#)