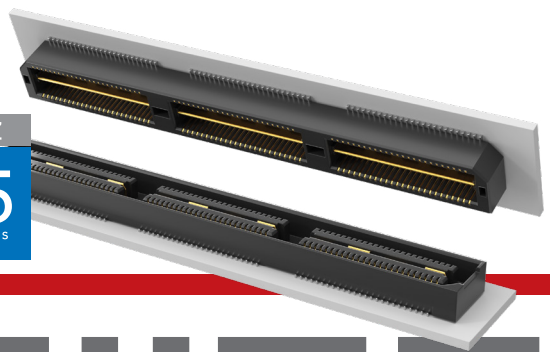




(0.635 mm) .025" PITCH • QTS/QSS SERIES

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
-----	--------------------------	------------	----------------	---	---	---------------	------

-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)

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:

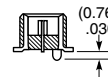
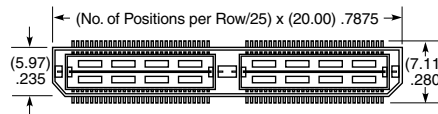
23.1 A per ground plane
(1 ground plane powered)

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)

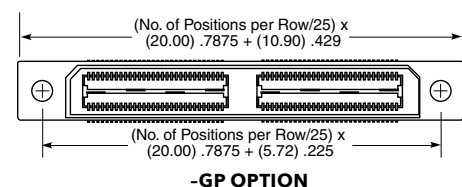
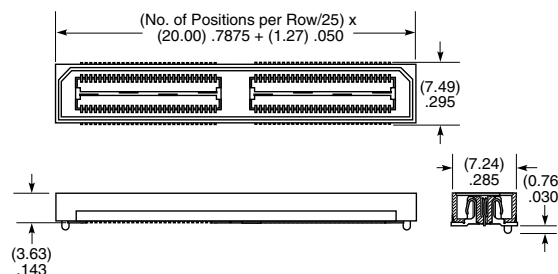
-GP
= Guide Holes
for mating
with QTS-RA

-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)



-GP OPTION

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)