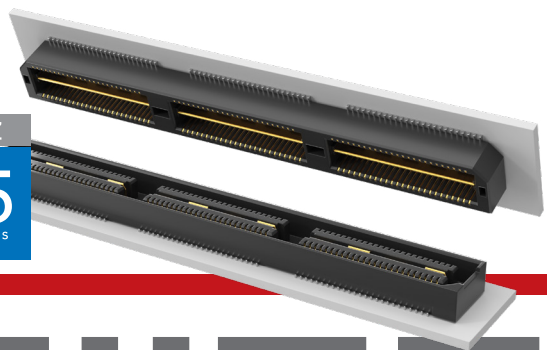




(0.635 mm) .025" PITCH • QTS/QSS SERIES

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  $\mu$ " (1.27  $\mu$ 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)

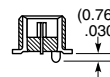
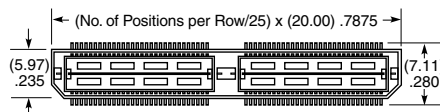
### Voltage Rating:

275 VAC/389 VDC

### Max Cycles:

100

| QTS | NO. OF POSITIONS PER ROW                          | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                                                                                                   | D | A | OTHER OPTIONS                                               | "X"R                                                                                                                                                                    |
|-----|---------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | -025, -050, -075<br>(50 total positions per bank) | Specify LEAD STYLE from Chart | -F<br>= Gold flash on contact, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail<br><br>-C<br>= 50 $\mu$ " (1.27 $\mu$ m) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing) |   |   | -K<br>= (7.00 mm) .275" DIA Polyimide film Pick & Place Pad | Leave blank for Tray Packaging<br><br>-TR<br>= Tape & Reel<br><br>-FR<br>= 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](http://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

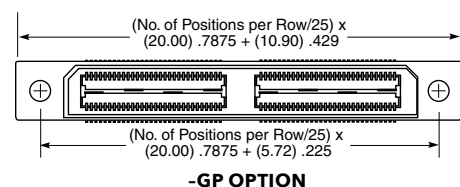
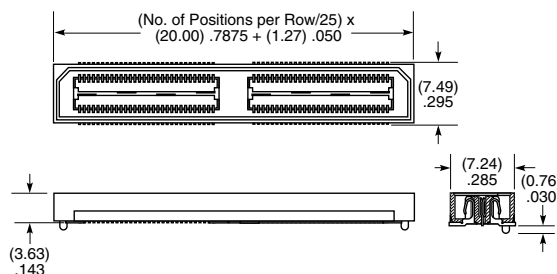
may be available; contact

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<br>(50 total positions per bank) |    | -F<br>= Gold flash on contact, Matte Tin on tail<br><br>-L<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail<br><br>-C<br>= 50 $\mu$ " (1.27 $\mu$ m) Electro-Polished Selective Gold on contact, Matte Tin on tail (passes 10 year MFG testing) |   |   | -GP<br>= Guide Holes for mating with QTS-RA<br><br>-K<br>= (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad | Leave blank for Tray Packaging<br><br>-TR<br>= Tape & Reel<br><br>-FR<br>= 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](http://samtec.com?QSS)