

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

**QTS**  
Board Mates:  
QSS

**QSS**  
Board Mates:  
QTS

**QTS/QSS**  
Cable Mates:  
SQCD

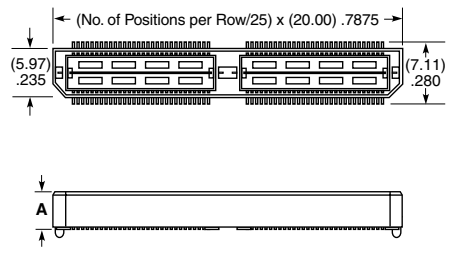
**Standoffs:**  
SO



- 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 μm (0.25 μm) Gold on contact, Matte Tin on tail
  - C = 50 μm (1.27 mm) 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
  - TR = Tape & Reel
  - FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

**SPECIFICATIONS**

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



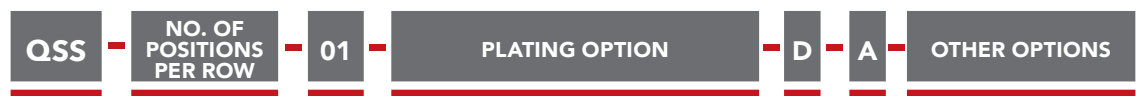
QTS LEAD STYLE	A	MATED HEIGHT WITH QSS
-01	(4.27) .168	(5.00) .197
-02	(7.26) .286	(8.00) .315

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

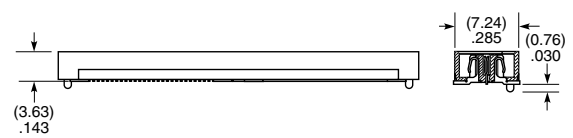
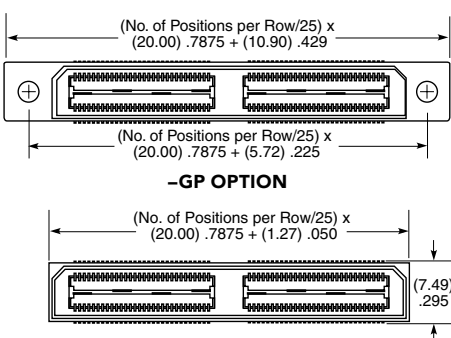
View complete specifications at: [samtec.com?QTS](http://samtec.com?QTS)

**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



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  - C = 50 μm (1.27 mm) 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
  - TR = Tape & Reel
  - FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)



See pg 46-47 for Right-Angle & Edge Mount options.

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

View complete specifications at: [samtec.com?QSS](http://samtec.com?QSS)

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Authorized Distributor

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