



QSS-050-01-L-D-RA-WT

QSS-025-01-L-D-RA

(0,635 mm) .025"

QSS-RA SERIES

# RIGHT ANGLE GROUND PLANE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?QSS-RA](http://www.samtec.com?QSS-RA)

### Insulator Material:

Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Current Rating:

Contact:

2 A per pin

(1 pin powered per row)

Ground Plane:

15.7 A per ground plane

(1 ground plane powered)

### Operating Temp:

-55°C to +125°C

### Voltage Rating:

275 VAC mated with QTS-RA

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0,10 mm) .004" max (025-075)

### Board Mates:

QTS

### Cable Mates:

SQCD

## APPLICATIONS



HORIZONTAL



- Guide posts
- Weld tabs
- PCB mounting holes
- Solder pin option

| QSS-RA/QTS-RA               | Type | Rated @ 3dB Insertion Loss* |
|-----------------------------|------|-----------------------------|
| Single-Ended Signaling      | -D   | 4.50 GHz / 9 Gbps           |
| Differential Pair Signaling | -D   | 4.50 GHz / 9 Gbps           |

\*Performance data includes effects of a non-optimized PCB.

Complete test data available at [www.samtec.com?QSS-RA](http://www.samtec.com?QSS-RA) or contact sig@samtec.com

Right Angle

Selectively plated

PCB mounting holes

Integral metal plane for power or ground

Guide post hole or optional locking screw thread

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

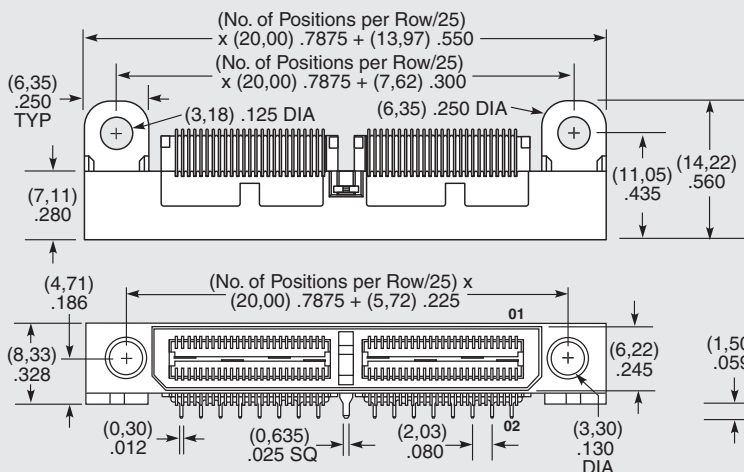
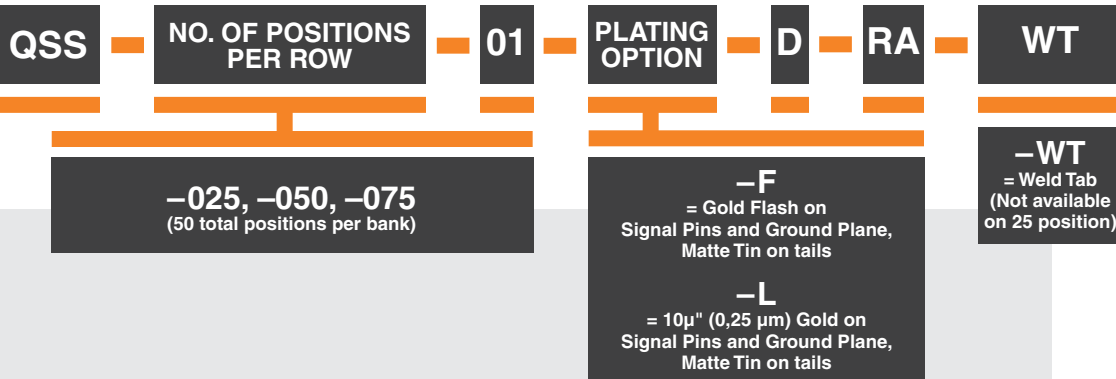


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## ALSO AVAILABLE (MOQ Required)

- 30µ" (0,76 µm) Gold
  - Tray Packaging
  - Lead style for (2,36 mm) .093" thick board
  - Threaded insert (-MTI) for mating with SQCD with captive screws
  - -LS1 Locking Screw Hole for mating with QTS-RA-LS1
  - 100 positions per row
- Contact Samtec.

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



## APPLICATION

