



(0.635 mm) .025"

# 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  
50 μ" (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

**RHS Compliant:**  
Yes

**Board Mates:**

QTS

**Cable Mates:**

SQCD

### APPLICATIONS



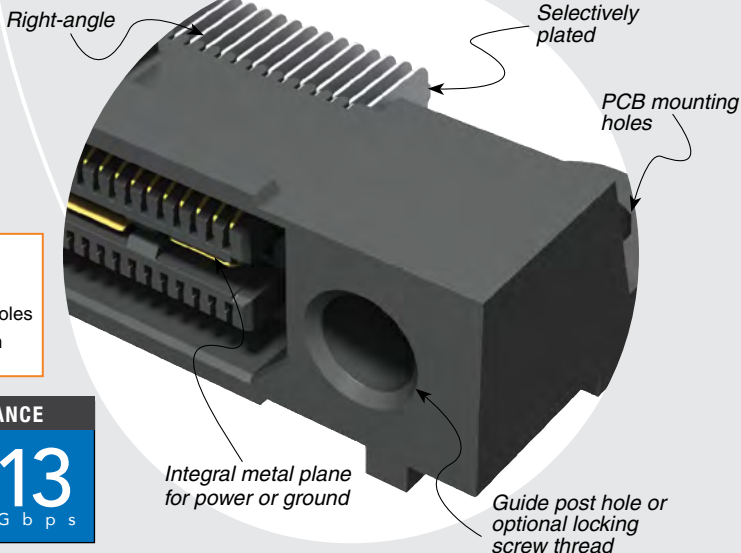
- Guide posts
- Weld tabs
- PCB mounting holes
- Solder pin option

### HIGH-SPEED CHANNEL PERFORMANCE

QSS-RA/QTS-RA

Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com)  
or contact [SIG@samtec.com](mailto:SIG@samtec.com)

13  
G b p s



## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (025-075)

## RECOGNITIONS

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



## ALSO AVAILABLE (MOQ Required)

- 30 μ" (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.

