



(0,635 mm) .025"

QSS SERIES

HIGH SPEED GROUND PLANE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QSS

Insulator Material:

Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating: Au or Sn over 50µ" (1,27 µm) Ni

Current Rating:

Contact: 1.8 A per pin
(1 pin powered per row)

Ground Plane:

23.1 A per ground plane
(1 ground plane powered)

Operating Temp:

-55°C to +125°C

Voltage Rating: 285 VAC

Max Cycles: 100

RoHS Compliant: Yes

Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (025-050)
(0,15 mm) .006" max (075)

Board Stacking:

For applications requiring more than two connectors per board contact ipg@samtec.com

Board Mates:

QTS

Cable Mates:

SQCD



Blade & Beam Design

Integral metal plane for power or ground

Polarized

Alignment Pin

QSS/QTS 5 mm Stack Height	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	9 GHz / 18 Gbps
Differential Pair Signaling	-D	8.5 GHz / 17 Gbps
Differential Pair Signaling	-DP	8.5 GHz / 17 Gbps

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

Performance data for other stack heights and complete test data available at www.samtec.com?QSS or contact sig@samtec.com

Final Inch
CERTIFIED

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- 11 mm & 16 mm stack height (Caution: Some automatic placement/inspection machines may have component height restrictions. Please consult machinery specifications.)
- 30µ" (0,76 µm) Gold
- Differential Pair and "Partitionable" (combine differential & single-ended banks in same connector) available.
- 100 & 125 positions per row
- Edge Mount
- -LS2 Locking screw hole for QTS-RA-LS2

Contact Samtec.

*Note: -C Plating passes 10 year MFG testing

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

