

(0,635mm) .025"

QFSS SERIES

QFSS-052-04.25-L-D-PC4

QFSS-078-04.25-L-D-A

QFSS-026-04.25-L-D-A

SHIELDED GROUND PLANE SOCKET

SPECIFICATIONS

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

Insulator Material:

Liquid Crystal Polymer



Contact, Ground Plane & Shield Material:

Phosphor Bronze

Plating:

Au over 50µ" (1,27µm) Ni (Tin on Ground Plane tails)

Current Rating:

Signal Contact: 1.8A @ 80°C
Power Contact: 3.95A @ 80°C
Ground Plane: 8.9A @ 80°C

Voltage Rating:

300 VAC mated with QMSS

Operating Temp:

-55°C to +125°C

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

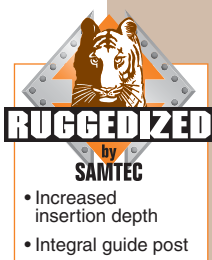
(0,10mm) .004" max (026-078)
(0,15mm) .006" max (104)

Board Stacking:

For applications requiring more than two connectors per board or 4 banks or more, contact ipg@samtec.com

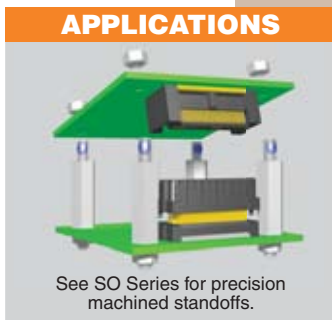
Board Mates:
QMSS

Cable Mates:
6QDPS



- Increased insertion depth
- Integral guide post

APPLICATIONS

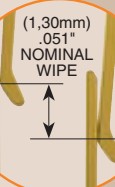


See SO Series for precision machined standoffs.

Standard shield grounding is GSSSSG. Application Specific options available.

Increased insertion depth for rugged application

11mm Stack Height



Single-Ended Signal routing.

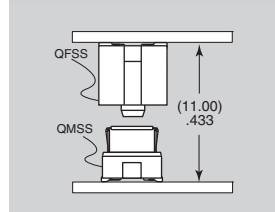
11mm Stack Height	Based on ± 10% Impedance/Crosstalk
Single-Ended Signaling	2.3 GHz / 4.6 Gbps
Differential Pair Signaling	1.4 GHz / 2.8 Gbps

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

APPLICATION SPECIFIC OPTION

- Headers without Alignment Pins
 - 8 Power Pins/End
 - 4 or 8 Power Pins/End for (2,36mm) .093" thick board
 - Guide Holes
 - Hot Pluggable
- Call Samtec.

APPLICATION



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

QFSS
PINS PER ROW NO. OF PAIRS
04.25
PLATING OPTION
TYPE
A
OTHER OPTION

-026, -052, -078, -104
(52 total pins per bank
40 signals + 12 grounds to shield = -D)

-016, -032, -048, -064
(16 pairs per bank = -D-DP)

-L
= 10µ" (0,25µm)
Gold on Signal Pins, Shield and Ground Plane
(Gold flash on Signal Pin tails, Tin on Ground Plane tails)

-D
= Single-Ended

-D-DP
= Differential Pair

-PC4
= 4 Power Pins/End (N/A with -104 or -A)

Technical drawings showing dimensions for various options: -D, -D-DP, and -PC4. Dimensions include pin spacing (0.025, 0.009, 0.040), stack height (0.320, 0.278, 0.320), and overall length (0.320, 0.278, 0.320).

Due to technical progress, all designs, specifications and components are subject to change without notice.

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