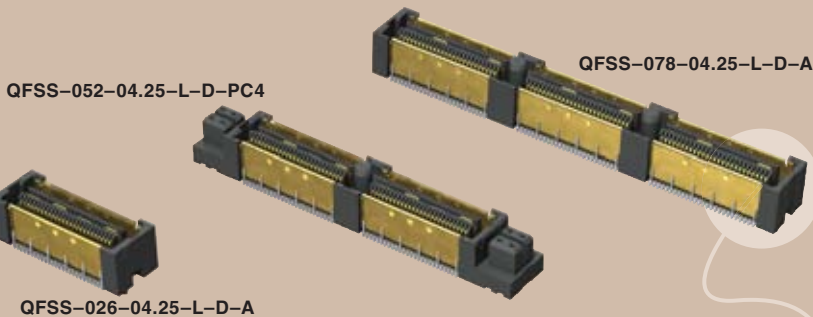


(0,635mm) .025"

QFSS SERIES



# SHIELDED GROUND PLANE SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?QFSS](http://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:

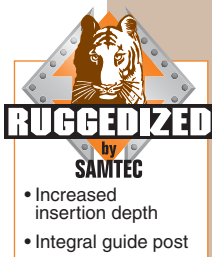
(0,10mm) .004" max (026-078)  
(0,15mm) .006" max (104)

### Board Stacking:

For applications requiring more than two connectors per board or 4 banks or more, contact [ipg@samtec.com](mailto: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

(1,30mm) .051" NOMINAL WIPE

Single-Ended Signal routing.

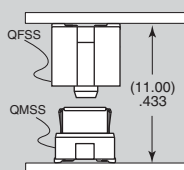
11mm Stack Height	Based on ± 10% Impedance/Crosstalk
Single-Ended Signaling	6.0 GHz / 12.0 Gbps
Differential Pair Signaling	7.5 GHz / 15.0 Gbps

Performance data for other stack heights and complete test data available at [www.samtec.com?QFSS](http://www.samtec.com?QFSS) or contact [sig@samtec.com](mailto: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  
(Tin on Signal Pin tails, and 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 different options:

- D**: Dimensions include (8,13) .320, (2,10) .083, (21,34) .840, (0,23) .009, (0,635) .025, (0,10) .004, (7,44) .293, (8,13) .320, (1,02) .040 DIA.
- D-DP**: Dimensions include (0,89) .035, (7,06) .278, (1,02) .040 DIA.
- PC4 OPTION**: Dimensions include (2,00) .07874, (2,54) .100, (1,78) .070, (2,54) .100, (No. of Banks x (21,34) .840 + (12,87) .507).

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Headers & Wire Housings](#) category:*

*Click to view products by [Samtec](#) manufacturer:*

Other Similar products are found below :

[95000-104TRLF](#) [10135584-644402LF](#) [DF62W-EP2022PCA](#) [95000-106TRLF](#) [DF62W-2022SCA](#) [DF62W-EP2022PC](#) [2203348](#) [DF62W-2022SC](#) [1084018](#) [1029039](#) [1084017](#) [802-10-012-10-002000](#) [1112640](#) [1112639](#) [891-007-9SS-BST1T](#) [000-34000](#) [0008550134](#) [0009482033](#) [0009507031](#) [57102-F02-18ULF](#) [57102-S06-03LF](#) [57202-S52-04LF](#) [PCN6-15S-2.5E](#) [0039019024](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [0009508121](#) [0022285053](#) [0050291907](#) [018731A](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#) [60101931](#) [60598-1 \(Cut Strip\)](#) [M1625-3R/100](#) [61062-3](#) [61082-181009](#) [CSU011177004](#) [636-1427](#) [638009-1](#) [641938-9](#) [641991-4](#) [644168-1](#) [644827-2](#) [647662-1](#) [65039-019ELF](#) [65692-001LF](#) [65781-018](#) [65781-047](#)