

(0.635 mm) .025"

QFSS-052-04.25-L-D-PC4

QFSS-078-04.25-L-D-A

QFSS-026-04.25-L-D-A

QFSS SERIES

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" (1.27 µm) Ni

(Tin on Ground Plane tails)

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:

(0.10 mm) .004" max (026-078)

Board Stacking:

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

Board Mates:

QMSS

RUGGEDIZED

BY SAMTEC

- Increased insertion depth
- Integral guide post

QMSS/QFSS 11 mm Stack Height	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	6 GHz / 12 Gbps
Differential Pair Signaling	-D	7 GHz / 14 Gbps
Differential Pair Signaling	-D-DP	7.5 GHz / 15 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?QFSS or contact sig@samtec.com

Standard shield grounding is GSSSSG. Application Specific options available.

Increased insertion depth for rugged applications

11 mm
Stack Height

Single-Ended
Signal routing

(1.30 mm)

.051"

NOMINAL

WIPE

RECOGNITIONS

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

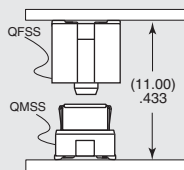


FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- Headers without Alignment Pins
 - 8 Power Pins/End
 - 4 or 8 Power Pins/End for (2.36 mm) .093" thick board
 - Guide Holes
 - 64 (-DP) and 104 pins per row
- Contact Samtec.

APPLICATION



Note: Patented

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

(52 total pins per bank
40 signals + 12 grounds to shield = -D)

-016, -032, -048

(16 pairs per bank = -D-DP)

-L

= 10µ" (0.25 µm)
Gold on Signal Pins, Shield and Ground Plane
(Tin on Signal Pin tails, and Ground Plane tails)

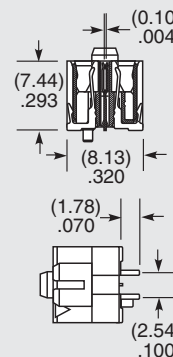
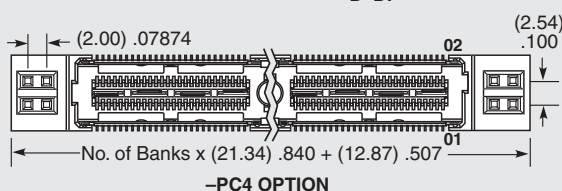
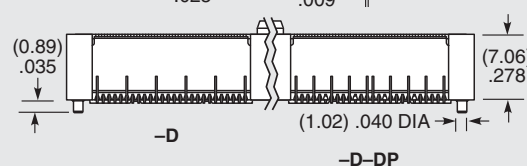
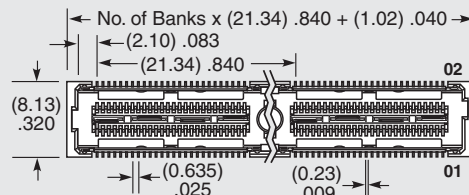
-D

= Single-Ended

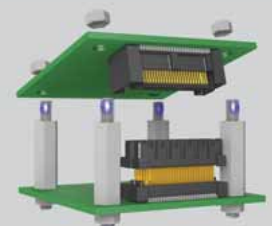
-D-DP

= Differential Pair

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



OTHER SOLUTIONS



See SO Series for precision machined standoffs.