



(0.635 mm) .025"

QFSS-052-04.25-L-D-PC4



QFSS-026-04.25-L-D-A

QFSS-078-04.25-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 50 μ " (1.27 μ m) 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 ipp@samtec.com

RECOGNITIONS

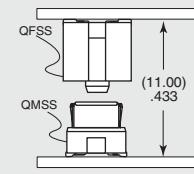
For complete scope of recognitions see www.samtec.com/quality



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

APPLICATION



Notes:
Patented

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

Board Mates:
QMSS

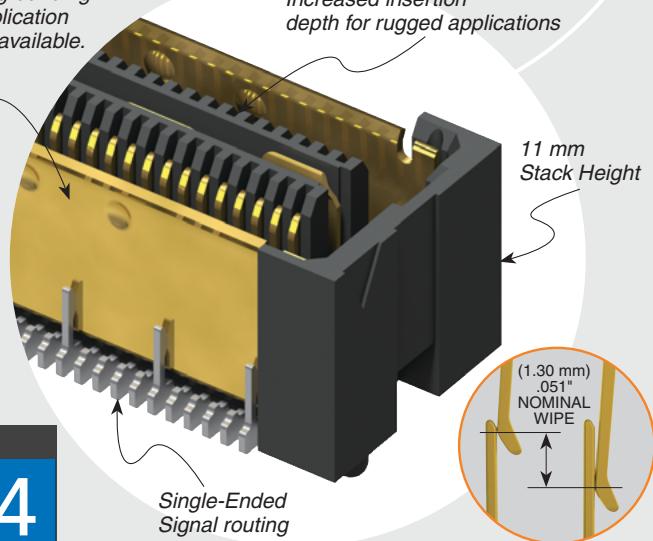
Standoffs:
SO

RUGGEDIZED
BY SAMTEC

- Increased insertion depth
- Integral guide post

Standard shield grounding is GSSSSG. Application Specific options available.

Increased insertion depth for rugged applications



HIGH-SPEED CHANNEL PERFORMANCE

QMSS-DP/QFSS-DP @ 11 mm Mated Stack Height

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com or contact SIG@samtec.com

14
G b/s

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)

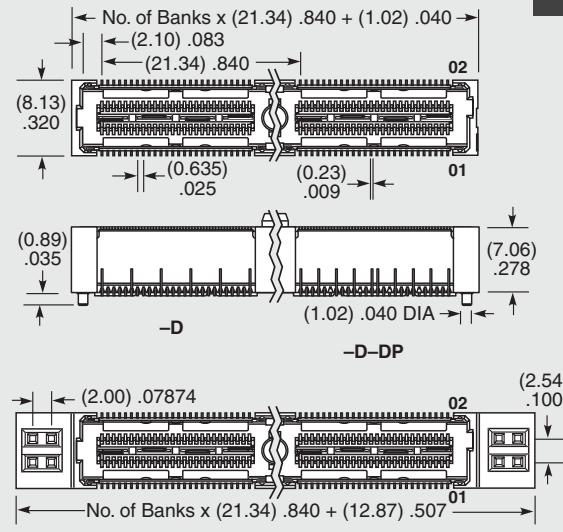
-016, -032, -048

(16 pairs per bank = -D-DP)

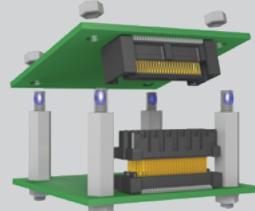
-L
= 10 μ " (0.25 μ m)
Gold on Signal Pins, Shield and Ground Plane
(Tin on Signal Pin tails, and Ground Plane tails)

-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.

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.