

QFSS SERIES

(0.635 mm) .025"

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 μm) Ni
(Tin on Ground Plane tails)
Voltage Rating:
300 VAC mated with QMSS
Operating Temp:
-55 °C to +125 °C
RoHS Compliant:
Yes

Board Mates:
QMSS

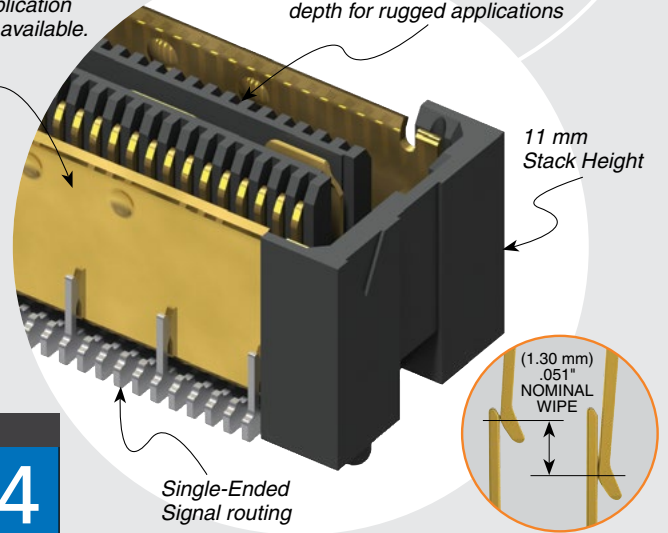
Standoffs:
SO

RUGGEDIZED
BY SAMTEC

- Increased insertion depth
- Integral guide post

Standard shield grounding is GSSSSG. Application Specific options available.

Increased insertion depth for rugged applications



11 mm Stack Height

(1.30 mm) .051" NOMINAL WIPE

Single-Ended Signal routing

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
Gbps

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

RECOGNITIONS

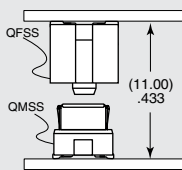
For complete scope of recognitions see www.samtec.com/quality



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 Contact Samtec.

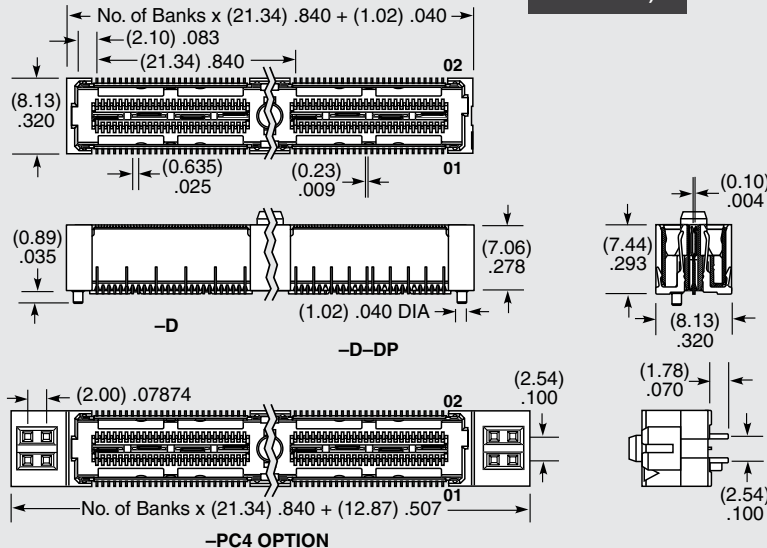
APPLICATION



Notes:
Patented

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
<p>-026, -052, -078 (52 total pins per bank 40 signals + 12 grounds to shield = -D)</p> <p>-016, -032, -048 (16 pairs per bank = -D-DP)</p>			<p>-L = 10 μ" (0.25 μm) Gold on Signal Pins, Shield and Ground Plane (Tin on Signal Pin tails, and Ground Plane tails)</p>	<p>-D = Single-Ended</p> <p>-D-DP = Differential Pair</p>		<p>-PC4 = 4 Power Pins/End (N/A with -A)</p>



OTHER SOLUTIONS

See SO Series for precision machined standoffs.

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