

(0.635 mm) .025"

QFSS SERIES

SHIELDED GROUND PLANE SOCKET

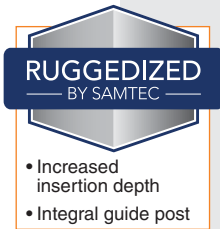
SPECIFICATIONS

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

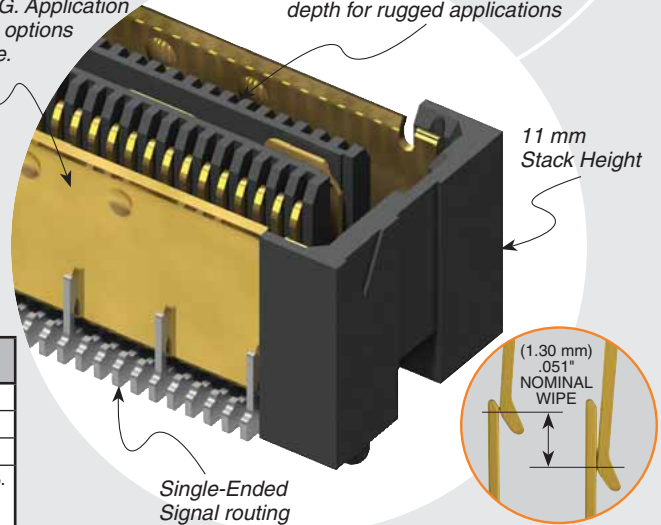


QMSS/QFSS 11 mm Stack Height	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	6 GHz / 12 Gbps
Differential Pair Signaling	-D	7 GHz / 14 Gbps
Differential Pair Signaling	-D-DP	7.5 GHz / 15 Gbps

*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



RECOGNITIONS

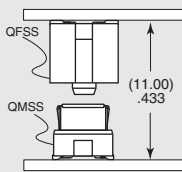
For complete scope of recognitions see www.samtec.com/quality



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.

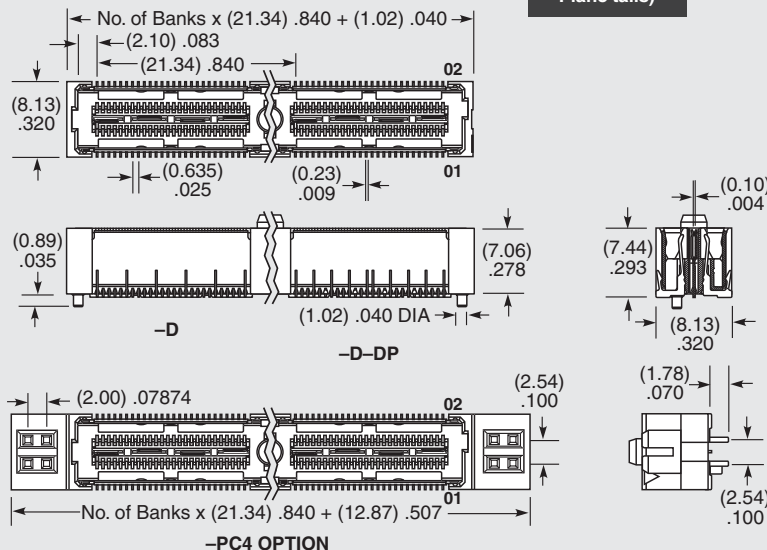
APPLICATION



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)		-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		-PC4 = 4 Power Pins/End (N/A with -A)
	-016, -032, -048 (16 pairs per bank = -D-DP)			-D-DP = Differential Pair		



OTHER SOLUTIONS



See SO Series for precision machined standoffs.