



QFS-026-04.25-L-D-A QFS-032-04.25-L-D-DP-A QFS-026-04.25-L-D-A-GP

(0.635 mm) .025"

QFS SERIES

RUGGED GROUND PLANE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QFS

Insulator Material: Liquid Crystal Polymer Contact & Ground Plane Material: Phosphor Bronze Plating: Au over 50 μ" (1.27 μm) Ni (Tin on Ground Plane Tail)

Current Rating: Contact: 2.6 A per pin

(1 pin powered per row) Ground Plane: 15.7 A per ground plane (1 ground plane powered)

Voltage Rating: 300 VAC mated with QMS

Operating Temp: -55 °C to +125 °C RoHS Compliant: Yes

PROCESSING

Lead-Free Solderable:

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



STANDARDS

- SUMIT™
- PCI/104-Express[™]

PROTOCOLS

- 100 GbE
- Flbre Channel
- XAUI
- PCI Express®
- SATA

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

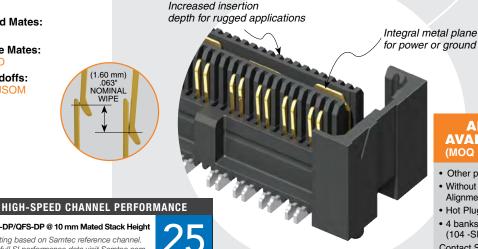


Cable Mates:

Standoffs:

QFS

(1.60 mm) .063" NOMINAL WIPE SO, JSOM



ALSO

(MOQ Required) · Other platings

AVAILABLE

- Without PCB
- Alignment Pins Hot Pluggable
- 4 banks (104 -SE, 64 -DP)

Contact Samtec.

QMS-DP/QFS-DP @ 10 mm Mated Stack Height

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

PINS PER ROW NO. OF PAIRS

MATED HEIGHT*

05.75

10 mm

12 mm

GP = No. of Banks x (21.34) .840 + (12.45) .490

No. of Banks x (21.34) .840 + (1.02) .040 →

*Processing conditions will affect mated height. See SO Series for board space tolerances.

QMS LEAD STYLE

-06.75

11 mm

13 mm

LEAD STYLE **PLATING OPTION**

OTHER OPTION

-026, -052, -078 (52 total pins per bank = -D)

-016, -032, -048 (16 pairs per bank = -D-DP)

(7.44) .293

-(21.34) .840

-06.25 (9.42) .371

LEAD STYLE

-04.25

Specify LEAD **STYLE** from

-09.75

14 mm

16 mm

(0.635)

chart

(-04.25 lead style only) = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane (Tin on Signal Pin tails, and Ground Plane tails)

-SL

(–06.25 lead style only) = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane (Tin on Signal Pin tails, and Ground Plane tails)

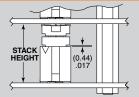


–D = Single-Ended

-D-DP = Differential Pair (-04.25 lead style only)

GP = Guide Holes (-04.25 lead style only)

APPLICATION



Requires Standoff SO-1524-03-01-01-L or JSOM-1524-02 for 15.24 mm SO-2215-02-01-01-L for 22 mm board spacing. Connectors designed to not fully seat when mated.

ĺ	INDUSTRY STANDARD	INTERCONNECTS			
		TERMINAL	SOCKET	BANKS	STACK HEIGHT
	SUMIT™	ASP-129637-01	ASP-129646-01	1	15.24 mm
- 1	PCI/104-Express™	ASP-129637-03	ASP-129646-03	3	15.24 mm
	PCI/104-Express™	ASP-129637-13	ASP-129646-22	1	15.24 mm
-	PCI/104-Express™	ASP-142781-02	ASP-129646-02	2	22 mm
	PCI/104-Express™	ASP-142781-03	ASP-129646-03	3	22 mm

(0.89) (1.02) .040 DIA → 📉 < Note: Some lengths, -D -D-DP

(8.13)

.320