



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



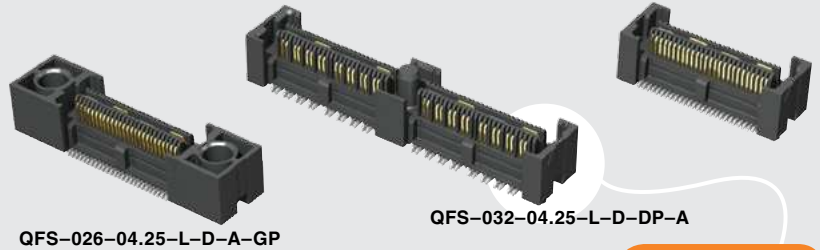
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(0.635 mm) .025"

QFS SERIES

RUGGED GROUND PLANE SOCKET

SPECIFICATIONS

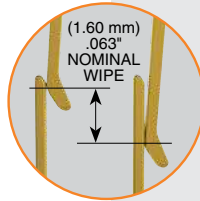
For complete specifications and recommended PCB layouts see www.samtec.com?QFS

- 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

Board Mates:
QMS

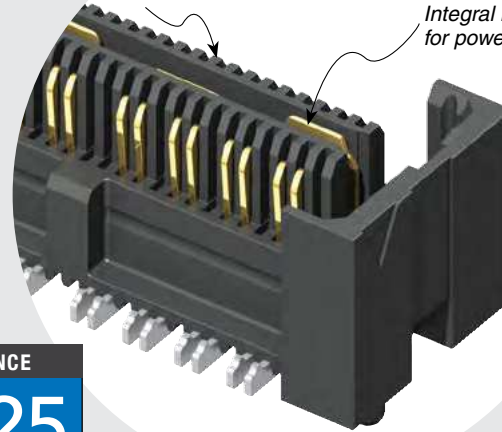
Cable Mates:
6QCQD

Standoffs:
SO, JSOM



Increased insertion depth for rugged applications

Integral metal plane for power or ground



HIGH-SPEED CHANNEL PERFORMANCE

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

25 Gbps

ALSO AVAILABLE
(MOQ Required)

- Other platings
 - Without PCB Alignment Pins
 - Hot Pluggable
 - 4 banks (104 -SE, 64 -DP)
- Contact Samtec.

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



STANDARDS

- SUMIT™
- PCI/104-Express™

PROTOCOLS

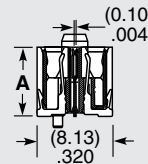
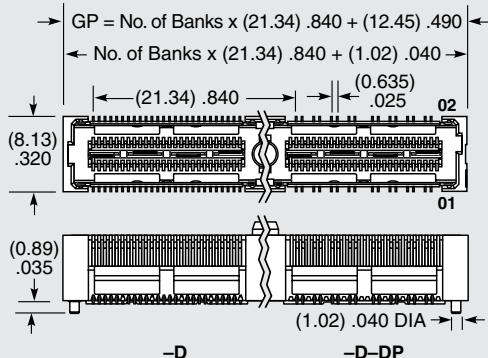
- 100 GbE
- Fibre Channel
- XAUI
- PCI Express®
- SATA

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

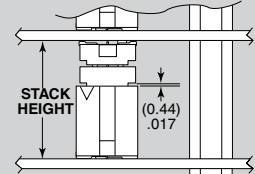
QFS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D)		-L (-04.25 lead style only) = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane (Tin on Signal Pin tails, and Ground Plane tails)	-D = Single-Ended		-GP = Guide Holes (-04.25 lead style only)
	-016, -032, -048 (16 pairs per bank = -D-DP)	Specify LEAD STYLE from chart	-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-DP = Differential Pair (-04.25 lead style only)		

LEAD STYLE	A	MATED HEIGHT*		
		-05.75	-06.75	-09.75
-04.25	(7.44) .293	10 mm	11 mm	14 mm
-06.25	(9.42) .371	12 mm	13 mm	16 mm

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



APPLICATION



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

INDUSTRY STANDARD	INTERCONNECTS			STACK HEIGHT
	TERMINAL	SOCKET	BANKS	
SUMIT™	ASP-129637-01	ASP-129646-01	1	15.24 mm
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