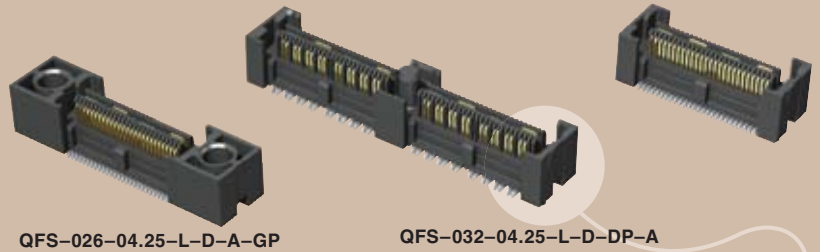


(0,635mm) .025"

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 50µ" (1,27µm) Ni (Tin on Ground Plane Tail)

Current Rating:

Contact: 1.6A @ 95°C

Ground Plane: 9.2A @ 95°C

Voltage Rating:

300 VAC mated with QMS

Operating Temp:

-55°C to +125°C

RHS Compliant:

Yes



- Increased insertion depth
- Integral guide post

Board Mates:
QMS

Cable Mates:
Q2DA, 6QCD, 6QDP, 6QP



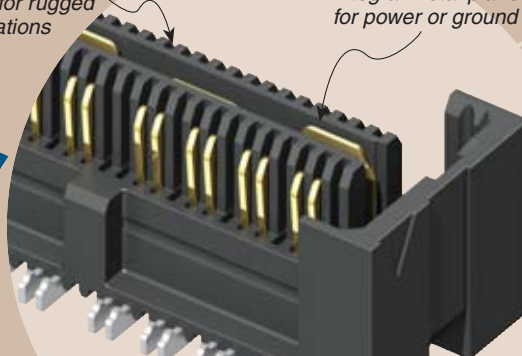
APPLICATIONS



See SO Series for precision machined standoffs.

Increased insertion depth for rugged applications

Integral metal plane for power or ground



APPLICATION SPECIFIC

- Power & RF options
 - Edge Mount
 - Guide Posts
 - Without PCB Alignment Pins
 - Hot Pluggable
- Call Samtec.

11mm Stack Height	Type	Rated @ 3dB Insertion Loss
Single-Ended Signaling	-D	8 GHz / 16 Gbps
Differential Pair Signaling	-D	7.5 GHz / 15 Gbps
Differential Pair Signaling	-DP	7 GHz / 14 Gbps

Performance data for other stack heights and complete test data available at www.samtec.com?QFS or contact sig@samtec.com

Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity: (0,10mm) .004" max (026-078) (0,15mm) .006" max (104)

Board Stacking:

For applications requiring more than two connectors per board or 4 banks or more, contact ipg@samtec.com

QFS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
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-026, -052, -078, -104
(52 total pins per bank = -D)

-016, -032, -048, -064
(16 pairs per bank = -D-DP)

Specify LEAD STYLE from chart

-L
(-04.25 lead style only)
= 10µ" (0,25µm) 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 only)

-GP
= Guide Holes (-052 pin and 04,25 lead style only for mating with 6QP Series assembly. Call Samtec for other sizes)

LEAD STYLE	A	MATED HEIGHT*		
		QMS LEAD STYLE	-05.75	-06.75
-04.25	(7,44) .293	10mm	11mm	14mm
-06.25	(9,42) .371	12mm	13mm	16mm

*Processing conditions will affect mated height.

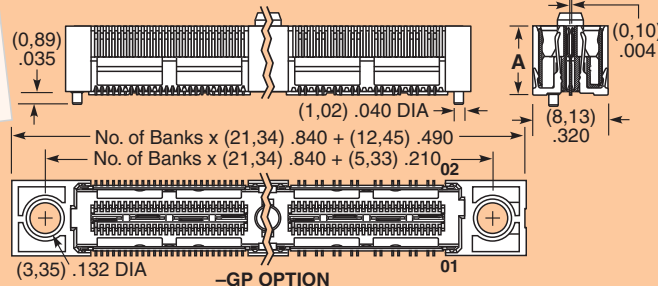
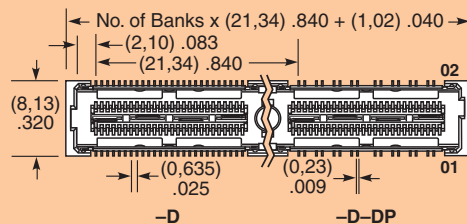
Industry Standards

StackableUSB™
SUMIT™
PCI/104-Express™

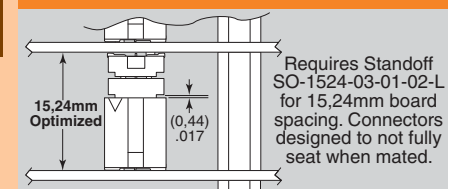
Protocols Supported

Fibre Channel
XAUI
PCI Express®
SATA

Download app notes at www.samtec.com/appnote
Contact Sig @ samtec.com for questions on protocols



APPLICATION



INDUSTRY STANDARD	INTERCONNECTS	
	TERMINAL	SOCKET
Stackable USB™	ASP-129637-01	ASP-129646-01
SUMIT™	ASP-129637-01	ASP-129646-01
PCI/104-Express™	ASP-129637-03	ASP-129646-03

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

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

WWW.SAMTEC.COM