



(0,635 mm) .025"

QFS-016-01-SL-D-DP-RA



QFS-052-01-SL-D-RA



QFS-RA SERIES

RIGHT ANGLE GROUND PLANE SOCKET

SPECIFICATIONS

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

Insulator Material:
Liquid Crystal Polymer

Terminal & Ground Plane Material:
Phosphor Bronze

Plating:
Au over 50µ" (1,27 µm) Ni

(Tin on Ground Plane Tail)

Current Rating (-RA to -RA):
Signal Contact:

4.1 A per pin

(1 pin powered per row)

Ground Plane:

Testing Now!

Voltage Rating:
300 VAC

Operating Temp:
-55°C to +125°C

RoHS Compliant:
Yes

Processing:
Lead-Free Solderable:

Yes

SMT Lead Coplanarity:
(0,10 mm) .004" max (026-052)

(0,15 mm) .006" max (078)

RECOGNITIONS

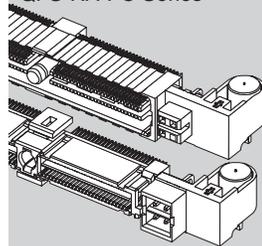
For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

OTHER SOLUTIONS

Combination Signal/Power
See QMS-RA-PC Series or
QFS-RA-PC Series

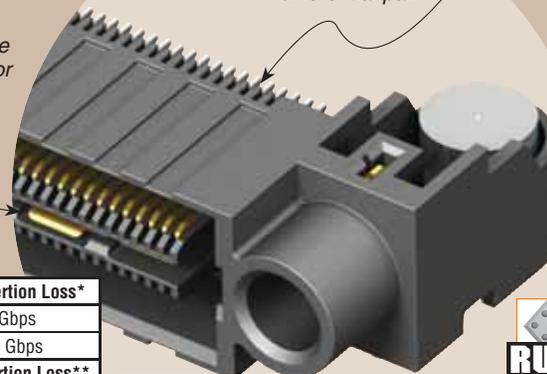


Note: Some lengths, styles and options are non-standard, non-returnable.

Board Mates:
QMS

Integral metal plane for power or ground

Choice of single-ended or differential pair



28+
Gbps

QFS-RA/QMS-RA	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	6 GHz / 12 Gbps
Differential Pair Signaling	-D	5.5 GHz / 11 Gbps
QFS-RA/QMS	Type	Rated @ 3dB Insertion Loss**
Single-Ended Signaling	-D	17 GHz / 34 Gbps
Differential Pair Signaling	-D	20 GHz / 40 Gbps

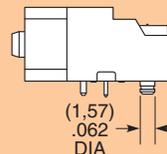
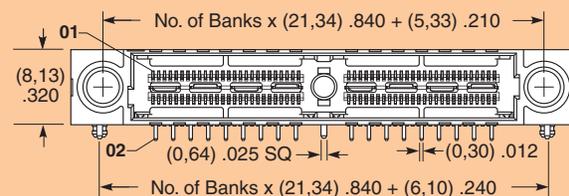
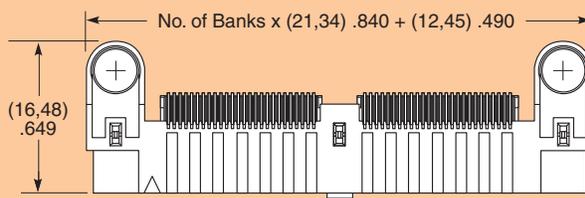
*Performance data includes effects of a non-optimized PCB.
**Test board losses de-embedded from performance data.
Complete test data available at www.samtec.com?QFS-RA or contact sig@samtec.com



RUGGEDIZED
by SAMTEC

- Increased insertion depth
- Integral guide post
- PCB mounting pins

QFS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D) -016, -032, -048 (16 pairs per bank = -D-DP)		-SL = 10µ" (0,25 µm) Gold on Signal Pins and Ground Plane, Matte Tin on tails	-D = Single-Ended -D-DP = Differential Pair		-K = Polyimide film Pick & Place Pad -TR = Tape & Reel (-016, -032 & -052 positions only)



ALSO AVAILABLE (MOQ Required)

- Other platings
- Plastic Guide Post option
- -02 lead style for (2,36 mm) .093" thick board
- 64 (-DP) and 104 positions per row Contact Samtec.

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

WWW.SAMTEC.COM