

(0,635 mm) .025"

QFS-052-01-SL-D-RA

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

Board Mates:
QMS

Integral metal plane for power or ground

Choice of single-ended or differential pair

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

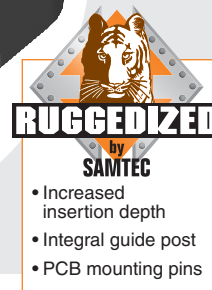
QFS-RA/QMS	Type	Rated @ 3dB Insertion Loss**
Single-Ended Signaling	-D	17 GHz / 34 Gbps
Differential Pair Signaling	-D	20 GHz / 40 Gbps

*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

28+
Gbps



- 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

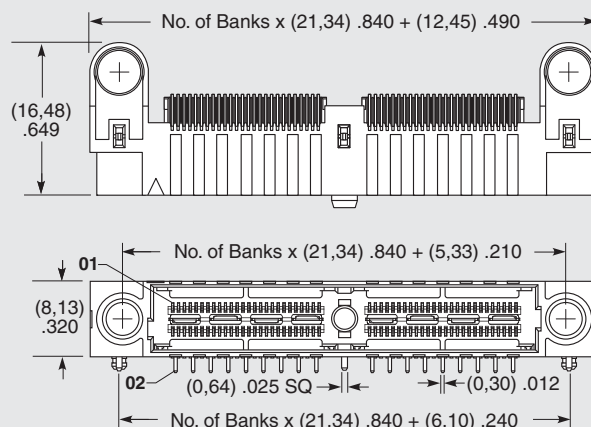
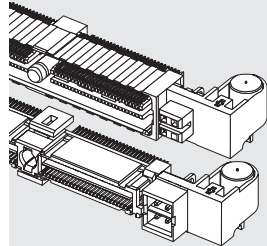
-D-DP
= Differential Pair

-K
= Polyimide film
Pick & Place Pad

-TR
= Tape & Reel
(-016, -026,
-032 & -052
positions only)

OTHER SOLUTIONS

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



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.

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