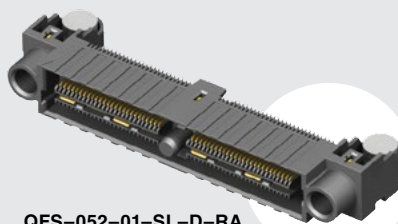




QFS-016-01-SL-D-DP-RA



QFS-052-01-SL-D-RA



QFS-RA SERIES

(0.635 mm) .025"

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 50 μ " (1.27 μ m) Ni
(Tin on Ground Plane Tail)

Voltage Rating:

300 VAC

Operating Temp:

-55 °C to +125 °C

RoHS Compliant:

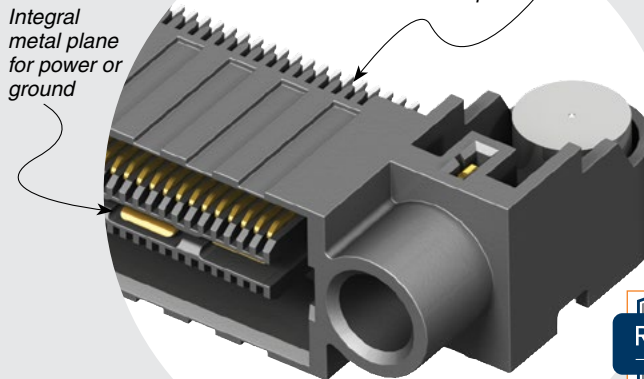
Yes

Board Mates:

QMS

Integral
metal plane
for power or
ground

Choice of single-ended or
differential pair



RUGGEDIZED
BY SAMTEC

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

PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (026-052)
(0.15 mm) .006" max (078)

HIGH-SPEED CHANNEL PERFORMANCE

QFS-RA/QMS or QFS-RA/QMS-RA

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

14
Gbps

RECOGNITIONS

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



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)

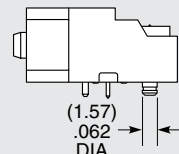
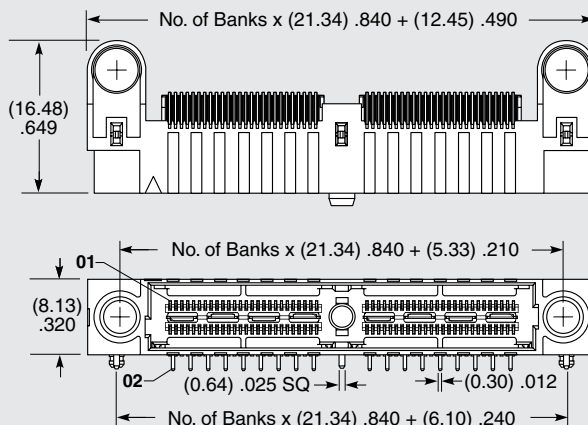
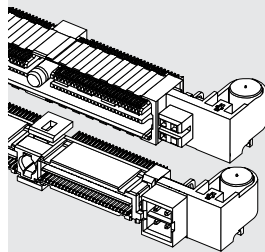
–SL
= 10 μ " (0.25 μ m)
Gold on Signal Pins and
Ground Plane,
Matte Tin on tails

–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.

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.