

(0.635 mm) .025"

QMS-RA SERIES

RIGHT-ANGLE GROUND PLANE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QMS-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:

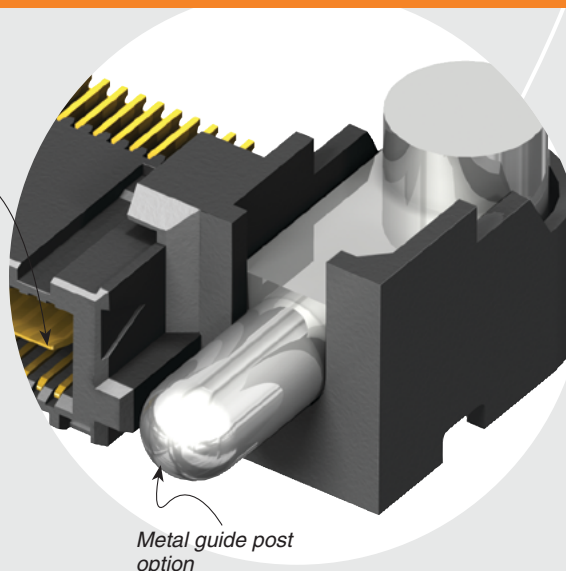
Yes

Board Mates:
QFS

RUGGEDIZED
BY SAMTEC

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

Integral metal plane
for power or ground



Metal guide post
option

PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:

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

*(.004" stencil solution
may be available; contact
IPG@samtec.com)

RECOGNITIONS

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



HIGH-SPEED CHANNEL PERFORMANCE

QMS-RA/QFS-RA

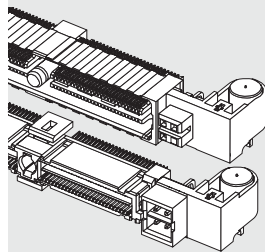
Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

14
Gbps

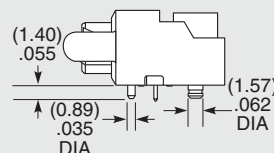
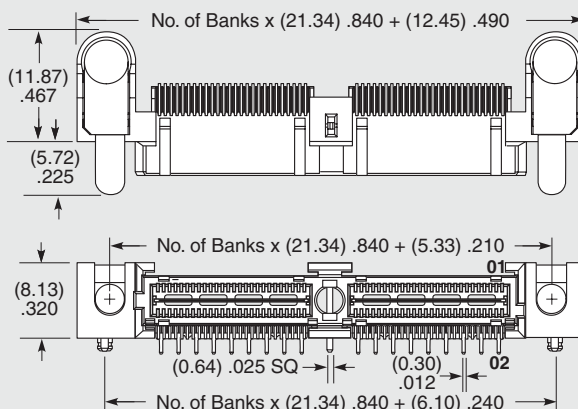
QMS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	MG	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D)		-SL = 10 μ " (0.25 μ m) Gold on Signal Pins and Ground Plane, Matte Tin on tails	-D = Single-Ended		-MG = Metal Guide Post	-K = Polyimide film Pick & Place Pad
	-016, -032, -048 (16 pairs per bank = -D-DP)			-D-DP = Differential Pair			-TR = Tape & Reel (-016, -026, -032 & -052 positions only)

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.



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

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.