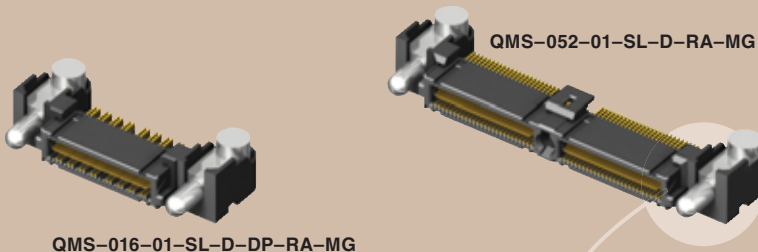


(0,635 mm) .025"

QMS-RA SERIES



RIGHT ANGLE GROUND PLANE HEADER

SPECIFICATIONS

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

Insulator Material:



Liquid Crystal
Polymer

Terminal & Ground

Plane Material:

Phosphor Bronze
Plating

Plating:
Au over 50u" (1.27 μ m) Ni

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

Current Rating:

Power Contact:

4.1A per power contact @ 80°C

Ground Plane:

8.9A per ground plane @ 80°C

Signal Contact:
1.8A per signal contact @

Voltage Rating: 2

Voltage Rating: 3
Operating Temp:

Operating Temp.
-55°C to +125°C

RoHS Compliant:

Yes

Processing

Processing Lead-Free Solders

Lead-Free Solderable
Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (026-052)

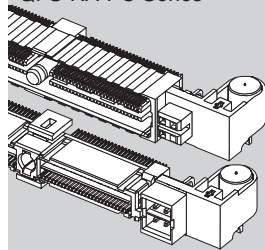
(0,15 mm) .006" max (078)

APPLICATION SPECIFIC

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

**ALSO
AVAILABLE**

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



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

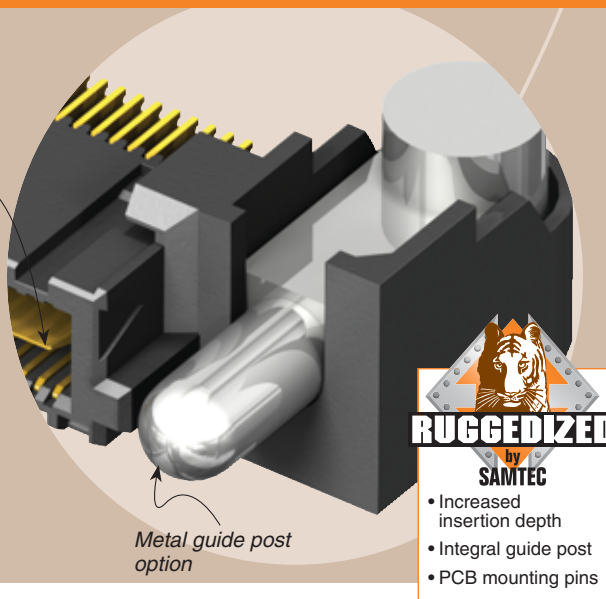
Board Mates: QFS

*Integral metal plane
for power or ground*

QMS-RA/QFS	Type	Rated @ 3dB Insertion Loss*	
		with PCB effects**	w/o PCB effects**
Single-Ended Signaling	-D	8 GHz / 16 Gbps	10 GHz / 20 Gbps
Differential Pair Signaling	-D	5.5 GHz / 11 Gbps	11 GHz / 22 Gbps
QMS-RA/QFS-RA	Type	Rated @ 3dB Insertion Loss*	
Single-Ended Signaling	-D	6 GHz / 12 Gbps	
Differential Pair Signaling	-D	5.5 GHz / 11 Gbps	

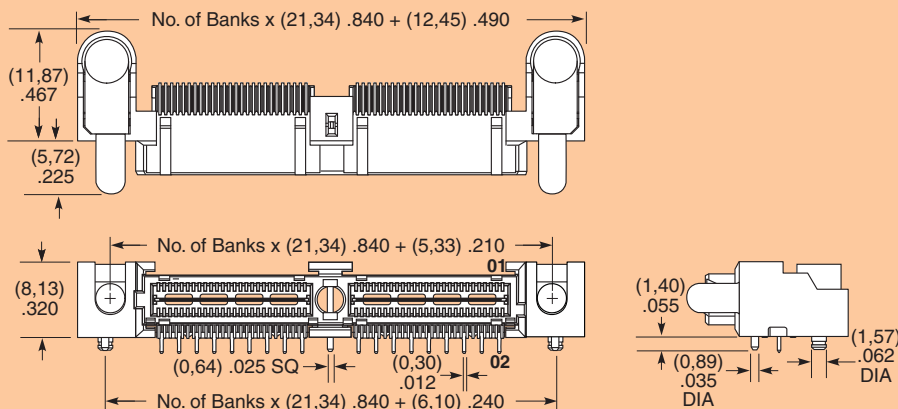
*Performance data includes effects of a non-optimized PCB.
 **Test board losses de-embedded from performance data.

Complete test data available at www.samtec.com?QMS-RA
 or contact sig@samtec.com



QMS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	MG	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		-MG = Metal Guide Post	-K = Polyimide film Pick & Place Pad -TR = Tape & Reel (-016, -026, -032 & -052 positions only)

$\leftarrow$ No. of Banks x (21,34) .840 + (12,45) .490 $\rightarrow$



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

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