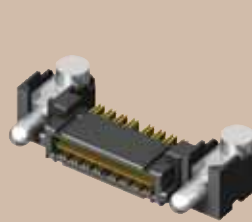
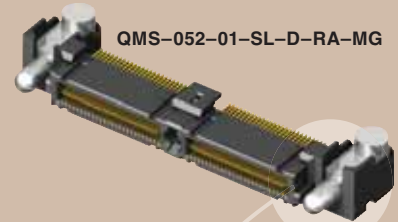


(0,635 mm) .025"



QMS-016-01-SL-D-DP-RA-MG



QMS-052-01-SL-D-RA-MG

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 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



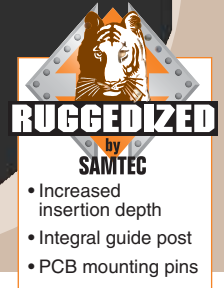
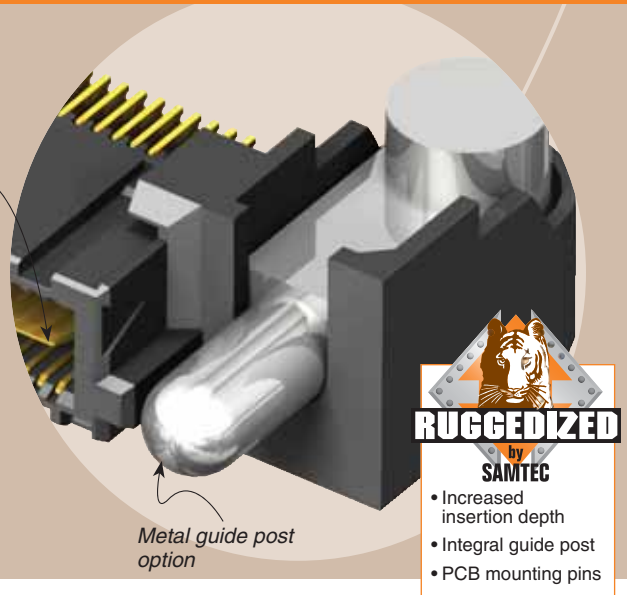
FILE NO. E111594

Board Mates:
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*	
		with PCB effects*	w/o PCB effects**
Single-Ended Signaling	-D	6 GHz / 12 Gbps	
Differential Pair Signaling	-D	5.5 GHz / 11 Gbps	

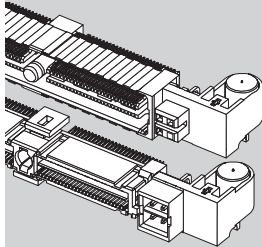
*Performance data includes effects of a non-optimized PCB.
**Test board losses de-embedded from performance data.
Complete test data available at www.samtec.com/QMS-RA or contact sig@samtec.com



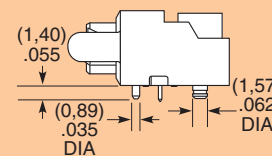
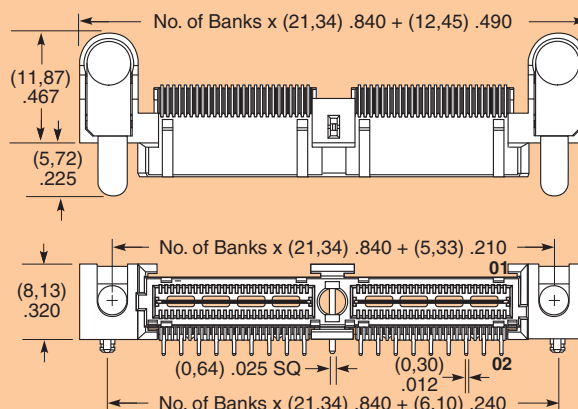
QMS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	MG	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D)		-SL = 10µ" (0,25 µm) Gold on Signal Pins and Ground Plane, Matte Tin on tails	-D = Single-Ended -D-DP = Differential Pair		-MG = Metal Guide Post	-K = Polyimide film Pick & Place Pad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

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
- Contact Samtec.

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

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