

(0,635mm) .025"

QMS-RA, QFS-RA SERIES

QFS-052-01-SL-D-RA

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

RIGHT ANGLE GROUND PLANE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QMS-RA or www.samtec.com?QFS-RA

Insulator Material:

Liquid Crystal Polymer

Terminal & Ground Plane Material:

Phosphor Bronze

Plating:

Au over 50µ" (1,27µm) Ni

(Tin on Ground Plane Tail)

Current Rating:

Power Contact: 4.1A @ 80°C

Ground Plane: 8.9A @ 80°C

Signal Contact: 1.8A @ 80°C

Voltage Rating:

300 VAC

Operating Temp:

-55°C to +125°C

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

(0,15mm) .006" max (-078-104)



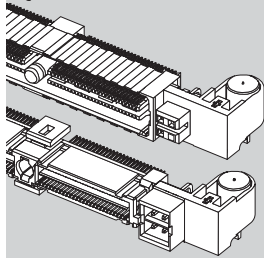
APPLICATION SPECIFIC

- Plastic Guide Post option available.
- -02 lead style for (2,36mm) .093" thick board.

Call Samtec.

ALSO AVAILABLE

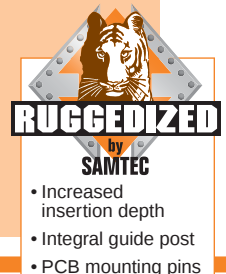
Combination Signal/Power
See QMS-RA-PC Series or
QFS-RA-PC Series



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

QMS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	MG	OTHER OPTION						
Board Mates: QFS	-026, -052, -078, -104 (52 total pins per bank = -D) -016, -032, -048, -064 (16 pairs per bank = -D-DP)	-SL = 10µ" (0,25µm) 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)	<table border="1"> <thead> <tr> <th>QMS-RA mated to QFS</th> <th>Rated @ 3dB Insertion Loss</th> </tr> </thead> <tbody> <tr> <td>Single-Ended Signaling</td> <td>8.0 GHz / 16 Gbps</td> </tr> <tr> <td>Differential Pair Signaling</td> <td>5.5 GHz / 11.0 Gbps</td> </tr> </tbody> </table>		QMS-RA mated to QFS	Rated @ 3dB Insertion Loss	Single-Ended Signaling	8.0 GHz / 16 Gbps	Differential Pair Signaling	5.5 GHz / 11.0 Gbps
QMS-RA mated to QFS	Rated @ 3dB Insertion Loss												
Single-Ended Signaling	8.0 GHz / 16 Gbps												
Differential Pair Signaling	5.5 GHz / 11.0 Gbps												

Technical drawing details:
 - Overall length: No. of Banks x (21,34) .840 + (12,45) .490
 - Pin 01 height: (11,87) .467
 - Pin 02 height: (5,72) .225
 - Pin 01 width: (8,13) .320
 - Pin 02 width: (0,64) .025 SQ
 - Pin 01 pitch: (0,30) .012
 - Pin 02 pitch: (0,30) .012
 - Overall width: No. of Banks x (21,34) .840 + (6,10) .240
 - Pin 01 diameter: (1,40) .055
 - Pin 02 diameter: (1,57) .062 DIA
 - Pin 01 offset: (0,89) .035 DIA



QFS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	OTHER OPTION
Mates with: QMS, 6QP	-026, -052, -078, -104 (52 total pins per bank = -D) -016, -032, -048, -064 (16 pairs per bank = -D-DP)	-SL = 10µ" (0,25µm) 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)	Technical drawing details: - Overall length: No. of Banks x (21,34) .840 + (12,45) .490 - Pin 01 height: (16,48) .649 - Pin 02 height: (8,13) .320 - Pin 01 width: (0,64) .025 SQ - Pin 02 width: (0,30) .012 - Overall width: No. of Banks x (21,34) .840 + (6,10) .240 - Pin 01 diameter: (1,57) .062 DIA	

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

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