

QFS-052-01-SL-D-RA

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

0,635mm Q2™ RIGHT ANGLE QMS-RA, QFS-RA SERIES

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:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

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



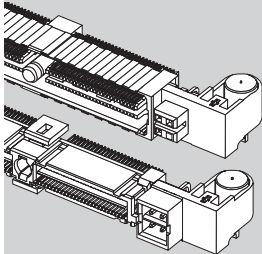
QMS	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	MG	OTHER OPTION
Board Mates: QFS	-026, -052, -078, -104 (52 total pins per bank = -D) -016, -032, -048, -064 (16 pairs per bank = -D-DP)		-SL = 10µ" (0,25µm) Gold on Signal Pins and Ground Plane, Matte Tin on tails	-D = Single-Ended -D-DP = Differential Pair		-MG = Metal Guide Post	-K = Polyimide film Pick & Place Pad -TR = Tape & Reel (-016, -026, -032 & -052 positions only)
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			

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.

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)

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

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