

QMS-052-06.75-L-D-PC4

QMS-078-05.75-L-D-RF1

COMBO Q2 HEADERS QMS-PC, QMS-RF, SERIES

SPECIFICATIONS

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

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:

Signal Contact: 1.8A @ 80°C
Power Contact: 4.1A @ 80°C
Ground Plane: 8.9A @ 80°C

Voltage Rating:

300 VAC mated with QFS

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 (026-078)

Board Stacking:

For applications requiring more than two connectors per board, contact ipg@samtec.com

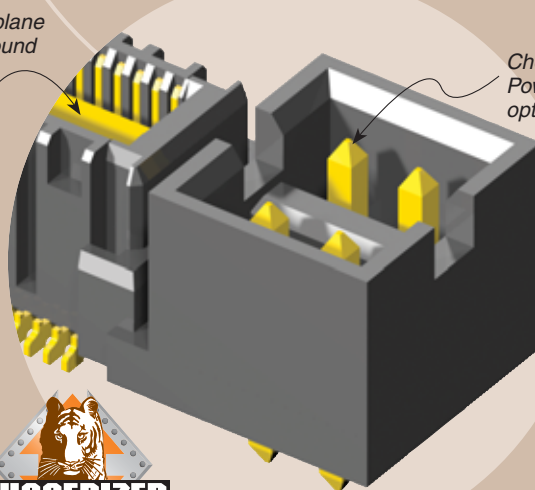


Mates with:
QFS-PC,
QFS-RA-PC,
QFS-RF

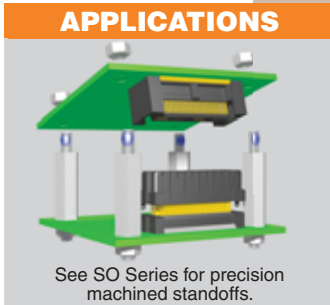


Integral metal plane for power or ground

Choice of Power and RF options



APPLICATIONS



See SO Series for precision machined standoffs.



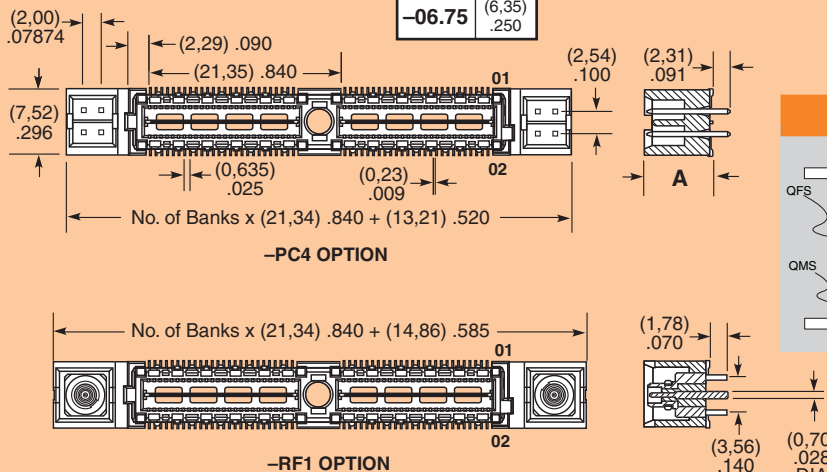
11mm Stack Height	Rated @ -3dB Insertion Loss
Single-Ended Signaling	8 GHz / 16 Gbps
Differential Pair Signaling	7.5 GHz / 15 Gbps

APPLICATION SPECIFIC OPTION

- Differential Pairs
 - Retention Pins
 - 8 Power Pins/End for (1,60mm) 0.62" thick Board
 - 4 or 8 Power Pins/End for (2,36mm) 0.93" thick Board
 - 2 RF Connectors/End
 - Hot Pluggable
- Call Samtec.

QMS	NO. OF PINS PER ROW	LEAD STYLE	PLATING OPTION	D	END OPTION
	-026, -052, -078 (52 total pins per bank)	Specify LEAD STYLE from chart	-L = 10µ" (0,25µm) Gold on Signal Pins and Ground Plane (Gold flash on Signal Pin tails, Tin on Ground Plane tails)		-PC4 = 4 Power Pins per End for (1,60mm) .062" thick Board (N/A with -RF1) -RF1 = One RF Plug per End (-05.75 only, not available with -PC4)

LEAD STYLE	A
-05.75	(5,38) .212
-06.75	(6,35) .250



APPLICATION

QMS LEAD STYLE	BOARD SPACE
-05.75	10mm
-06.75	11mm

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

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

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