



(0.635 mm) .025"

QMS-052-06.75-L-D-PC4

QMS-078-05.75-L-D-RF1

QMS-PC, QMS-RF SERIES

HIGH-SPEED COMBO RF & POWER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/QMS

Insulator Material:

Liquid Crystal Polymer
Terminal & Ground

Plane Material:

Phosphor Bronze

Plating:

Au over 50 μ " (1.27 μ m) Ni
(Tin on Ground Plane Tail)

Current Rating:

Signal Contact:

2.6 A per pin

(2 pins powered)

Power Contact:

4.0 A per pin

(4 pins powered per end)

Ground Plane:

15.7 A per ground plane
(1 ground plane powered)

Voltage Rating:

300 VAC mated with QFS

Operating Temp:

-55 °C to +125 °C

RoHS Compliant:

Yes

Board Mates:

QFS-PC, QFS-RA-PC,
QFS-RF

RUGGEDIZED

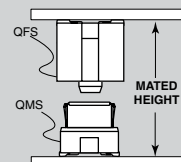
— BY SAMTEC —

- Increased insertion depth
- Integral guide post

Integral metal plane for power or ground

Choice of Power and RF options

APPLICATION



QMS LEAD STYLE	MATED HEIGHT*
-05.75	(10.00) .394
-06.75	(11.00) .433

*Processing conditions will affect mated height. See SO Series for board space tolerances.

PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
(0.10 mm) .004" max (026-078)

Board Stacking:

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

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- Other platings
- Differential Pairs
- Retention Pins
- 8 Power Pins/End for (1.60 mm) 0.62" thick board
- 4 or 8 Power Pins/End for (2.36 mm) .093" thick board
- 2 RF Connectors/End
- Hot Pluggable
- Contact Samtec.

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

QMS	NO. OF PINS PER ROW	LEAD STYLE	PLATING OPTION	D	END OPTION
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-026, -052, -078
(52 total pins per bank)

Specify LEAD STYLE from chart

-L

= 10 μ " (0.25 μ m) Gold on Signal Pins and Ground Plane
(Tin on Signal Pin tails, and Ground Plane tails)

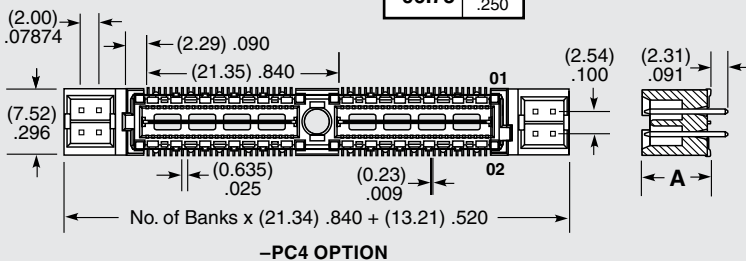
-PC4

= 4 Power Pins per End for (1.60 mm) .062" thick Board (N/A with -RF1)

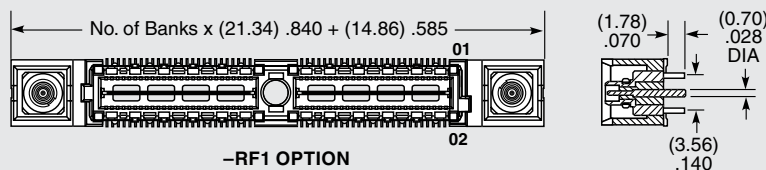
-RF1

= 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



-PC4 OPTION



-RF1 OPTION

OTHER SOLUTIONS



See SO Series for precision machined standoffs.

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.