



(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

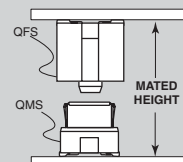
Integral
metal plane
for power or
ground

Choice of Power
and RF options

RUGGEDIZED
— BY SAMTEC —

- Increased insertion depth
- Integral guide post

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



ALSO AVAILABLE (MOQ Required)

- Other platings
- Differential Pairs
- Retention Pins
- 8 Power Pins/End for (1.60 mm) .062" thick board
- 4 or 8 Power Pins/End for (2.36 mm) .093" thick board
- 2 RF Connectors/End
- Hot Pluggable

Note:

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

QMS

NO. OF PINS
PER ROWLEAD
STYLEPLATING
OPTION

D

END
OPTION

-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)

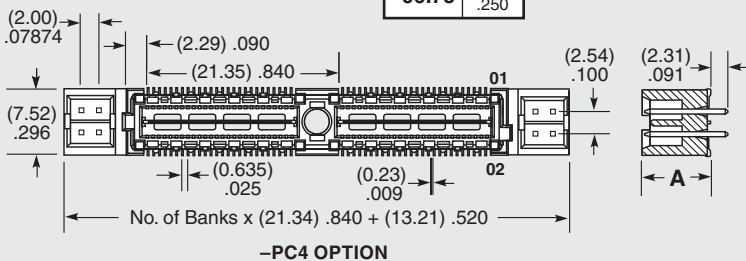
-PC4

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

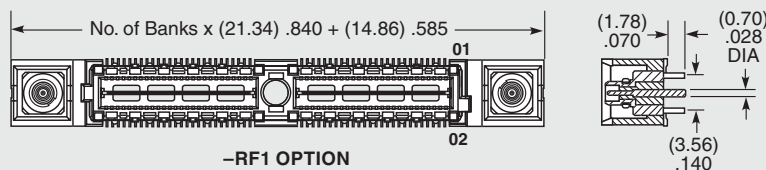
-RF1

= 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

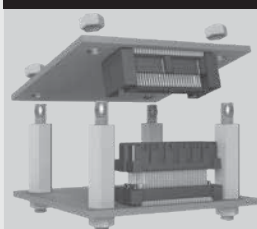


-PC4 OPTION



-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.