



QMS-052-06.75-L-D-PC4

QMS-078-05.75-L-D-RF1

**QMS-PC, QMS-RF SERIES**

**(0.635 mm) .025"**

# HIGH-SPEED COMBO RF & POWER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?QMS](http://www.samtec.com?QMS)

**Insulator Material:**

Liquid Crystal Polymer  
Terminal & Ground

**Plane Material:**

Phosphor Bronze

**Plating:**

Au over 50 μm (1.27 μm) 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

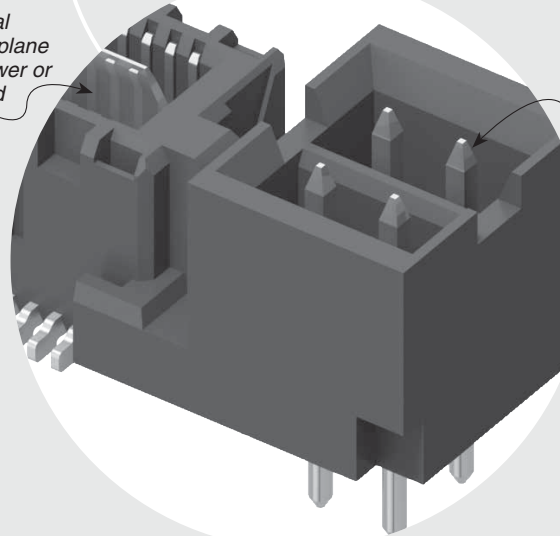
**Board Mates:**  
QFS-PC, QFS-RA-PC,  
QFS-RF

Integral metal plane for power or ground

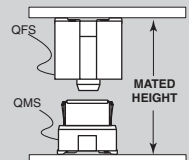
Choice of Power and RF options

**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](mailto:ipg@samtec.com)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

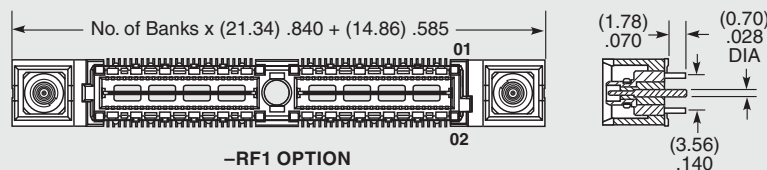
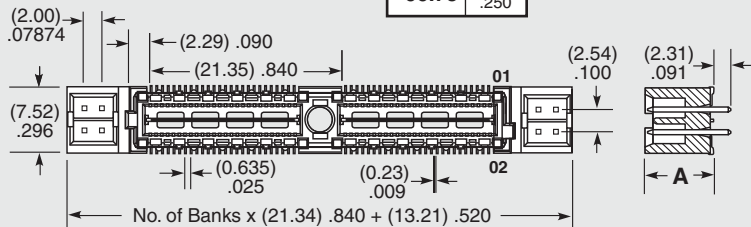
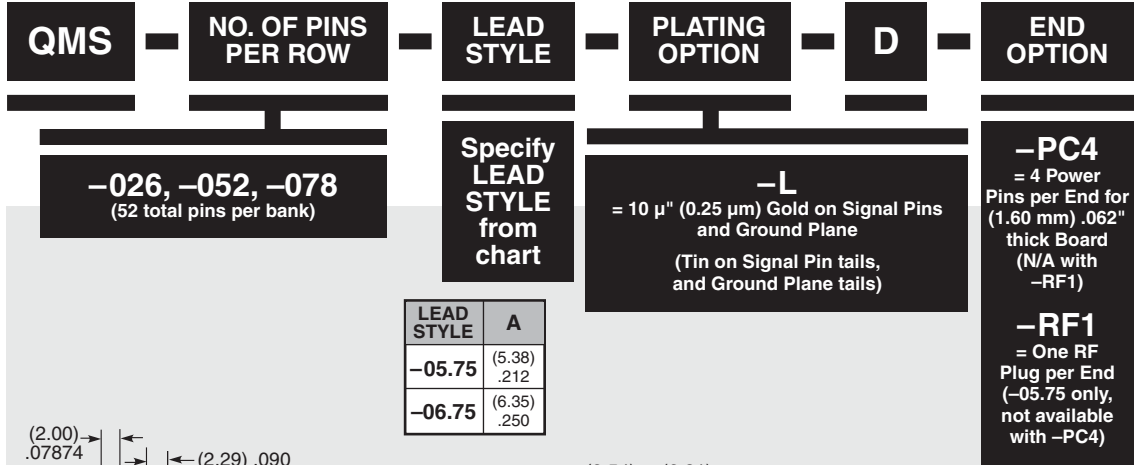


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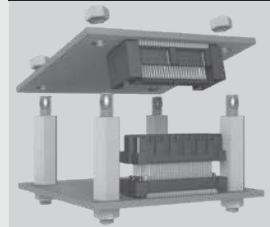
## ALSO AVAILABLE (MOQ Required)

- 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

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



## 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](http://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.