

(0.635 mm) .025"

QFS-PC, QFS-RF SERIES

# HIGH-SPEED COMBO RF & POWER

## SPECIFICATIONS

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

### Insulator Material:

Liquid Crystal Polymer  
Contact & Ground

### Plane Material:

Phosphor Bronze

### Plating:

Au over 50 μ" (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 QMS

### Operating Temp:

-55 °C to +125 °C

### RoHS Compliant:

Yes

### Board Mates:

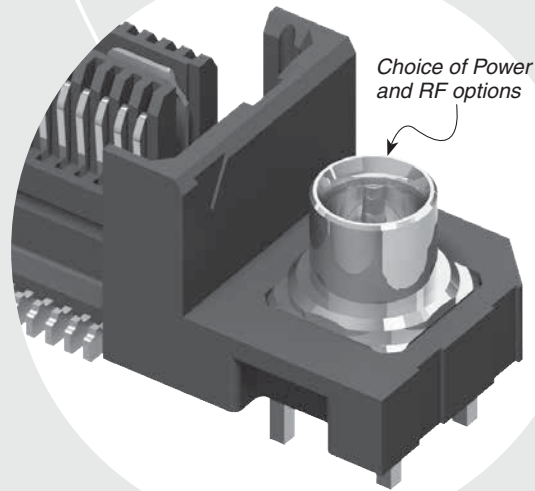
QMS-PC, QMS-RA-PC,  
QMS-RF

### Standoffs:

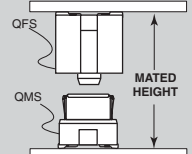
SO

**RUGGEDIZED**  
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- 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)

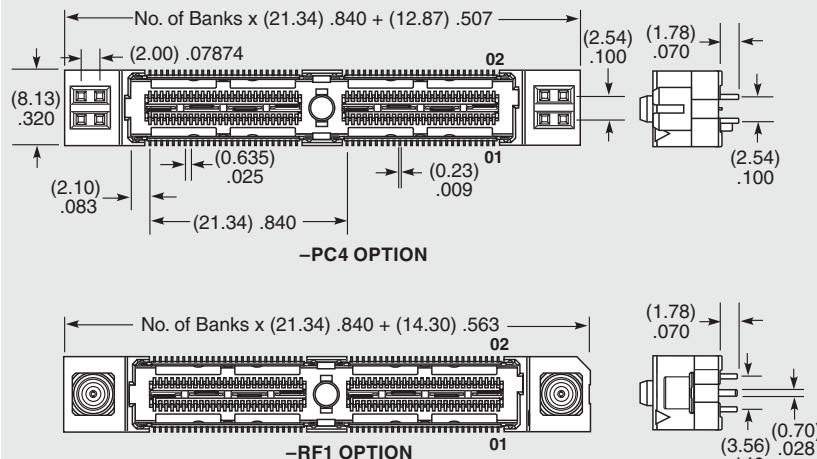


## ALSO AVAILABLE (MOQ Required)

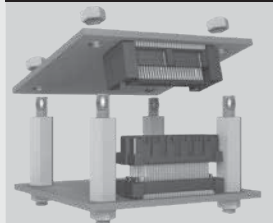
- Other platings
- Differential Pairs
- Retention Pins
- 8 Power Pins/End for (1.60 mm) .062" thick board
- 4 or 8 Power Pins/End for (2.36 mm) .093" thick board
- 2 RF Connectors/End
- Hot Pluggable

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

<b>QFS</b>	<b>NO. OF PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>END OPTION</b>
	<b>-026, -052, -078</b> (52 total pins per bank)	<b>-04.25</b> = 04.25 mm	<b>-L</b> = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane (Tin on Signal Pin tails, and Ground Plane tails)		<b>-PC4</b> = 4 Power Pins per End for (1.60 mm) .062" thick Board (N/A with -RF1)  <b>-RF1</b> = One RF Jack per End (N/A with -PC4)



## 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.*