

QMS-052-06.75-L-D-PC4

QFS-078-04.25-L-D-PC4

# POWER/Q2™ SIGNAL COMBO QMS-PC, QFS-PC

## SPECIFICATIONS

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

### Insulator Material:

Liquid Crystal Polymer



### Contact, Terminal & Ground Plane Material:

Phosphor Bronze

### Plating:

Au over 50µ" (1,27µm) Ni

(Tin on Ground Plane Tail)

### Insertion Depth

(Power Pins):

(2,29mm) .090" to (4,06mm)

.160"

### Wiping Distance

(Power Pins):

(0,38mm) .015"

### Current Rating:

Signal Contact: 1.8A @ 80°C

Power Contact: See chart

Ground Plane: 8.9A @ 80°C

### Voltage Rating:

300 VAC

### Operating Temp:

-55°C to +125°C

### RoHS Compliant:

Yes

## CURRENT RATING

AMBIENT TEMP	QMS-PC/QFS-PC
20°C	5.0A
40°C	4.5A
60°C	4.0A
95°C	2.7A
8 POWER PINS POWERED	

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

## APPLICATION SPECIFIC OPTION

- Shielded (See QMSS/QFSS Series)
- Differential Pairs
- 8 Power Pins/End for (1,60mm) .062" thick board
- 4 or 8 Power Pins/End for (2,36mm) .093" thick board

Call 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

Mates with:  
QFS-PC

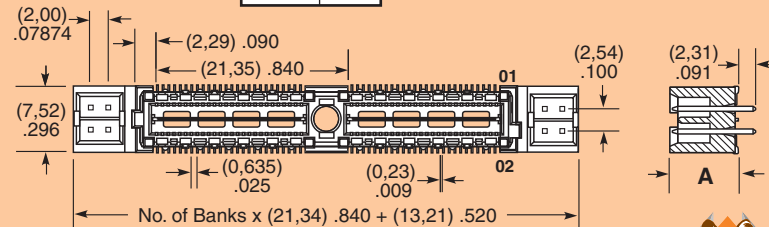
**-026, -052, -078**  
(52 total pins per bank)

Specify  
LEAD  
STYLE  
from  
chart

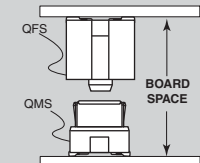
**-L**  
= 10µ" (0,25µm) Gold on Signal Pins  
and Ground Plane  
(Gold flash on Signal Pin tails,  
Tin on Ground Plane tails)

**-PC4**  
= 4 Power  
Pins per End

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



QFS

NO. OF PINS PER ROW

04.25

PLATING OPTION

D

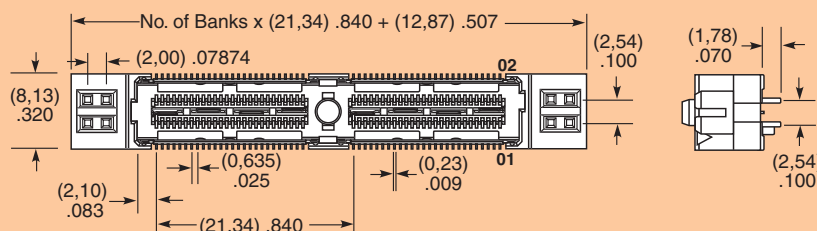
END OPTION

Mates with:  
QMS-PC

**-026, -052, -078**  
(52 total pins per bank)

**-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



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

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