

POWER/Q2™ SIGNAL COMBO QMS-PC, QFS-PC

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QMS-PC or 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



Mates with: QMS-PC

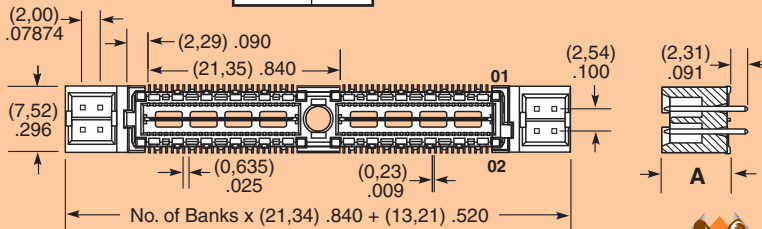
-026, -052, -078
(52 total pins per bank)

Specify LEAD STYLE from chart

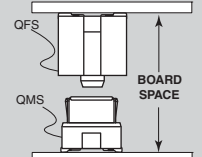
-L
= 10µ" (0,25µm) Gold on Signal Pins and Ground Plane
(Gold flash on Signal Pin tails, Tin on Ground Plane tails)

-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



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

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.

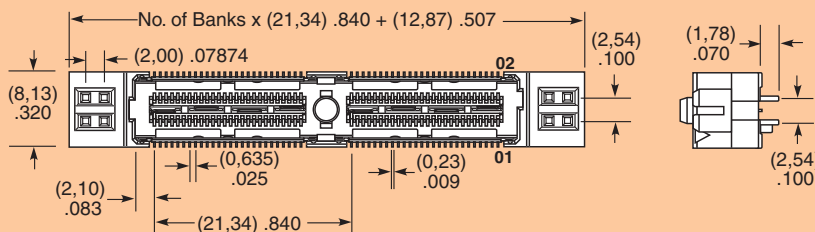


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Due to technical progress, all designs, specifications and components are subject to change without notice.

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