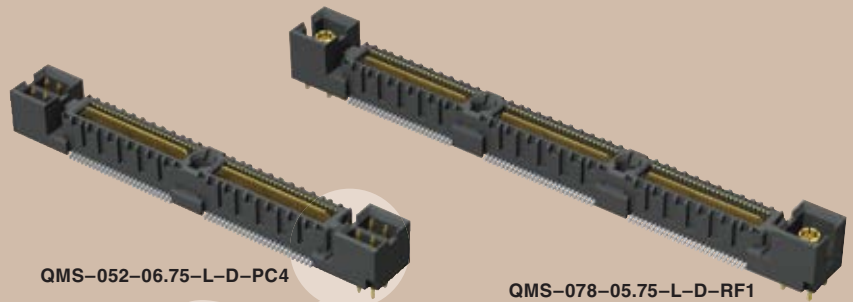


(0,635 mm) .025"

QMS-PC, QMS-RF SERIES



QMS-052-06.75-L-D-PC4

QMS-078-05.75-L-D-RF1

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 50µ" (1,27 µm) Ni
(Tin on Ground Plane Tail)

Current Rating:

Signal Contact:
1.8A per signal contact @ 80°C

Power Contact:
4.1A per power contact @ 80°C

Ground Plane:
8.9A per ground contact @ 80°C

Voltage Rating:
300 VAC mated with QFS

Operating Temp:

-55°C to +125°C

RoHS Compliant: Yes

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



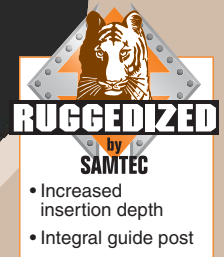
Board Mates:
QFS-PC, QFS-RA-PC,
QFS-RF

Integral metal plane
for power or ground

Choice of
Power and RF
options

QMS-PC/QFS-PC 10 mm Stack Height	Type	Rated @ 3dB Insertion Loss	
		with PCB effects*	w/o PCB effects**
Single-Ended Signaling	-D	9 GHz / 18 Gbps	8.5 GHz / 17 Gbps
Differential Pair Signaling	-D	8 GHz / 16 Gbps	8.5 GHz / 17 Gbps

*Performance data includes effects of a non-optimized PCB.
**Test board losses de-embedded from performance data.
Performance data for other stack heights and complete test data available at www.samtec.com?QMS or contact sig@samtec.com



- Increased insertion depth
- Integral guide post

QMS	NO. OF PINS PER ROW	LEAD STYLE	PLATING OPTION	D	END OPTION
	-026, -052, -078 (52 total pins per bank)	Specify LEAD STYLE from chart	-L = 10µ" (0,25 µm) 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)

APPLICATION SPECIFIC OPTION

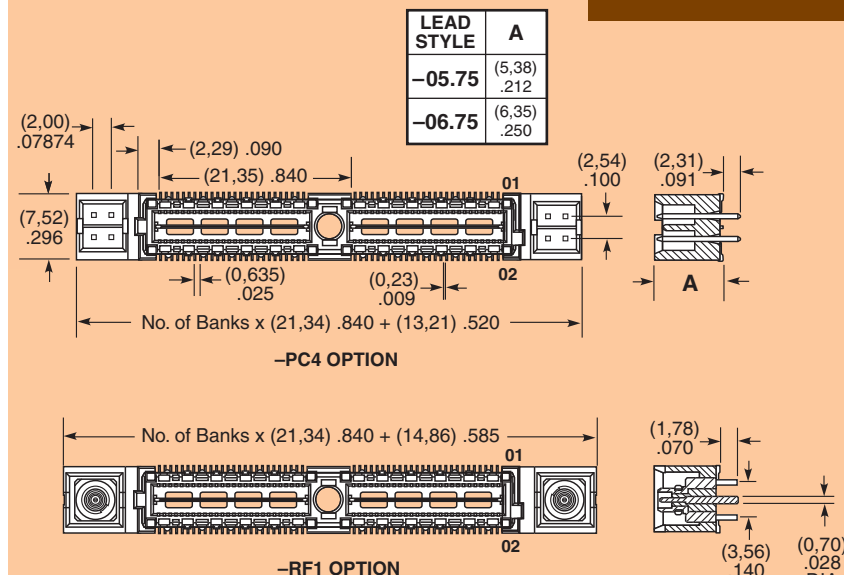
- Differential Pairs
 - Retention Pins
 - 8 Power Pins/End for (1,60 mm) 0.62" thick Board
 - 4 or 8 Power Pins/End for (2,36 mm) .093" thick Board
 - 2 RF Connectors/End
 - Hot Pluggable
- Call Samtec.

APPLICATIONS

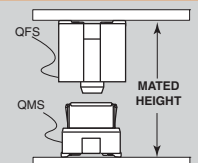


See SO Series for precision machined standoffs.

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



APPLICATION



QMS LEAD STYLE	MATED HEIGHT*
-05.75	10 mm
-06.75	11 mm

*Processing conditions will affect mated height.

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

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