

(0,635 mm) .025"

QMS-PC, QMS-RF SERIES

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:

2.6 A per pin

(1 pin powered per row)

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

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

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FPE NO. E111594

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 Contact Samtec.

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

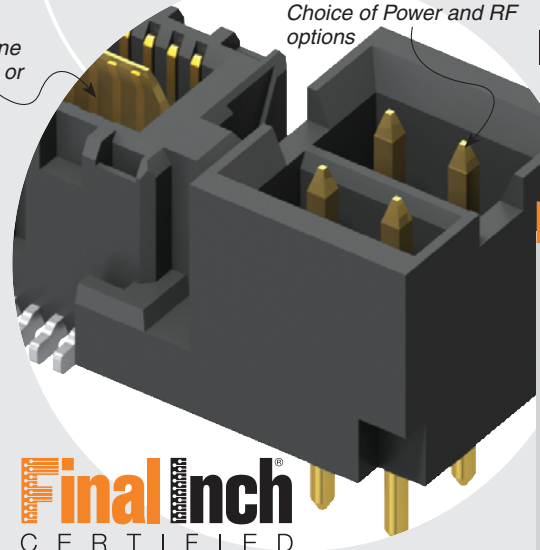
Board Mates:
QFS-PC, QFS-RA-PC, QFS-RF

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

Integral metal plane for power or ground
Choice of Power and RF options

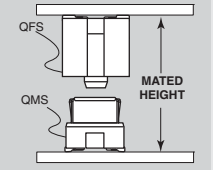


Final InCh®
CERTIFIED

RUGGEDIZED
by SAMTEC

- Increased insertion depth
- Integral guide post

APPLICATION

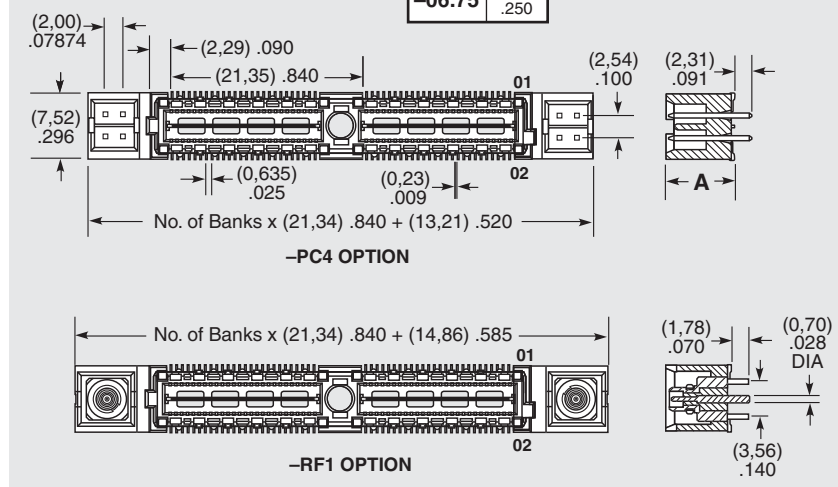


QMS LEAD STYLE	MATED HEIGHT*
-05.75	10 mm
-06.75	11 mm

*Processing conditions will affect mated height.

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)

LEAD STYLE	A
-05.75	(5,38) .212
-06.75	(6,35) .250



OTHER SOLUTIONS

See SO Series for precision machined standoffs.