

(0,635 mm) .025"

QMS-052-06.75-L-D-PC4

QMS-078-05.75-L-D-RF1

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



FILE 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

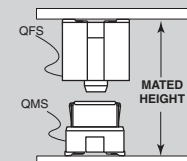
Choice of Power and RF options

Final Inch
CERTIFIED



- 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 ROWLEAD
STYLEPLATING
OPTION

D

END
OPTION

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

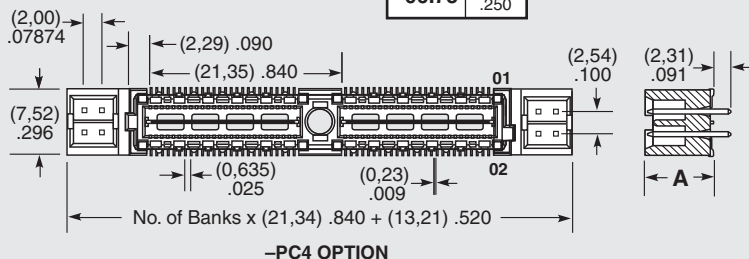
Specify
LEAD
STYLE
from
chart

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

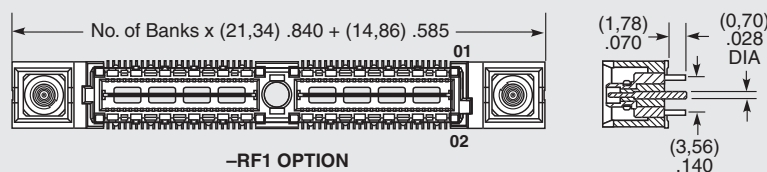
-PC4
= 4 Power
Pins per End for
(1,60 mm) .062"
thick Board
(N/A with
-RF1)

-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

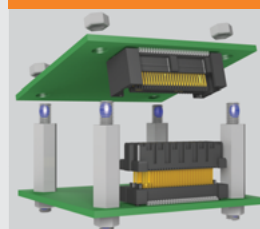


-PC4 OPTION



-RF1 OPTION

OTHER SOLUTIONS



See SO Series for precision machined standoffs.