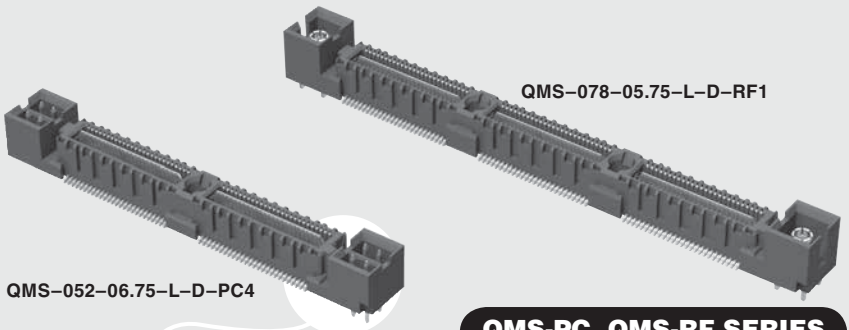
samtec

Q2™



(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 50 µ" (1.27 µm) Ni
(Tin on Ground Plane Tail)
Current Rating:
Signal Contact:
2.6 A per pin
(2 pins powered)
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

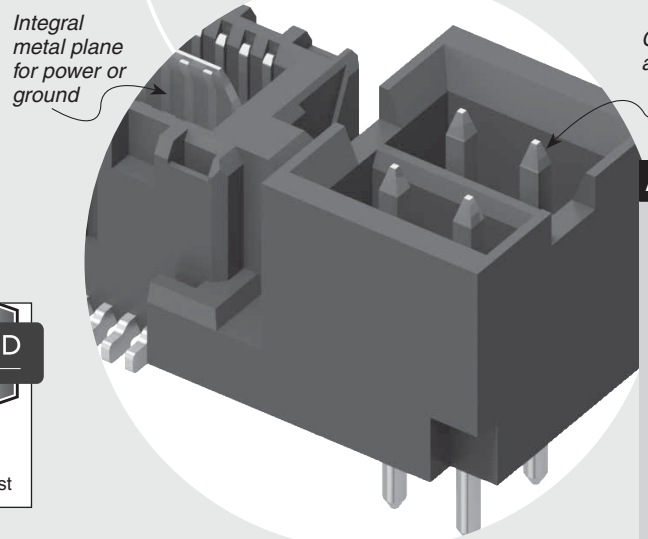
FILE NO. E111594

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

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

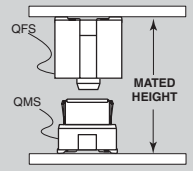
Board Mates:
QFS-PC, QFS-RA-PC, QFS-RF



RUGGEDIZED BY SAMTEC

- Increased insertion depth
- Integral guide post

APPLICATION



QMS LEAD STYLE	MATED HEIGHT*
–05.75	(10.00) .394
–06.75	(11.00) .433

*Processing conditions will affect mated height. See SO Series for board space tolerances.

QMS	–	NO. OF PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	D	–	END OPTION

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

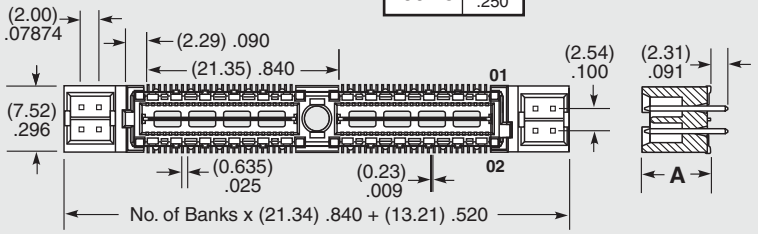
Specify LEAD STYLE from chart

–L
= 10 µ" (0.25 µm) Gold on Signal Pins and Ground Plane
(Tin on Signal Pin tails, and Ground Plane tails)

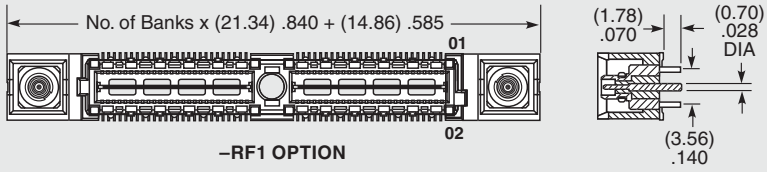
–PC4
= 4 Power Pins per End for (1.60 mm) .062" thick Board (N/A with –RF1)

–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.

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.