



(0,635mm) .025"

QFS-PC, QFS-RF SERIES

QFS-052-04.25-L-D-RF1

QFS-078-04.25-L-D-PC4

HIGH SPEED COMBO RF & POWER

SPECIFICATIONS

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

Insulator Material:

Liquid Crystal Polymer

Contact & Ground

Plane Material:

Phosphor Bronze

Plating:

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

Current Rating:

Signal Contact: 1.8A @ 80°C

Power Contact: 4.1A @ 80°C

Ground Plane: 8.9A @ 80°C

Voltage Rating:

300 VAC mated with QMS

Operating Temp:

-55°C to +125°C

RoHS Compliant:

Yes

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

Board Mates:

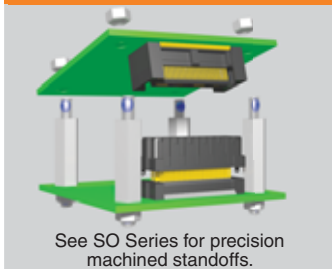
QMS-PC,

QMS-RA-PC,

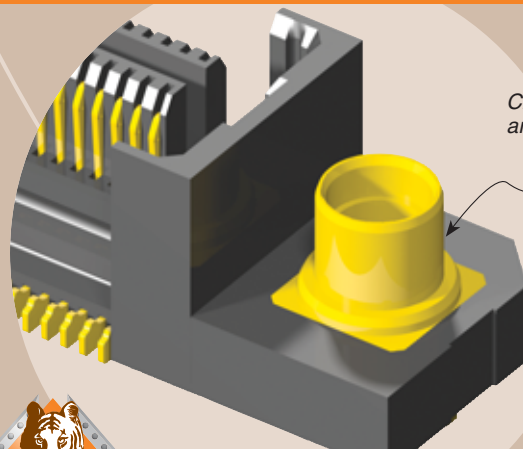
QMS-RF



APPLICATIONS



See SO Series for precision machined standoffs.



Choice of Power and RF options



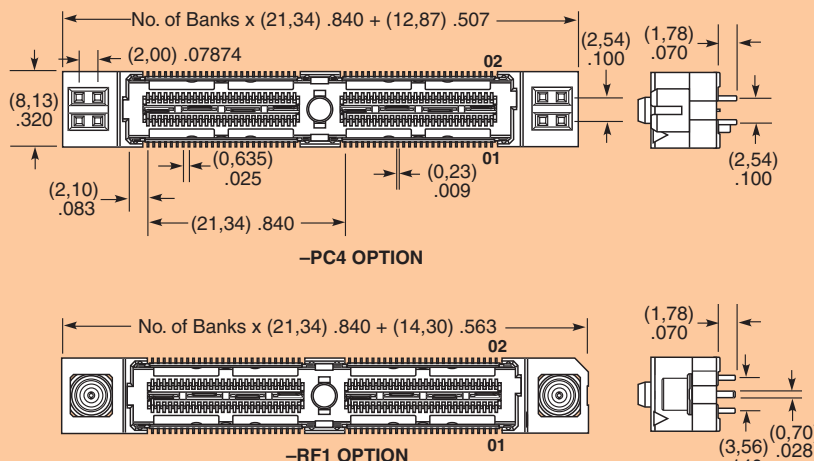
| 10mm Stack Height | Rated @ -3dB Insertion Loss |
|-----------------------------|-----------------------------|
| Single-Ended Signaling | 9 GHz / 18 Gbps |
| Differential Pair Signaling | 7.5 GHz / 15 Gbps |

Performance data for other stack heights and complete test data available at www.samtec.com?QFS-PC or www.samtec.com?QFS-RF or contact sig@samtec.com

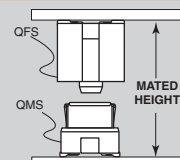
APPLICATION SPECIFIC OPTION

- Differential Pairs
 - Retention Pins
 - 8 Power Pins/End for (1,60mm) .062" thick Board
 - 4 or 8 Power Pins/End for (2,36mm) .093" thick Board
 - 2 RF Connectors/End
 - Hot Pluggable
- Call Samtec.

| QFS | NO. OF PINS PER ROW | LEAD STYLE | PLATING OPTION | D | END OPTION |
|-----|--|--------------------|---|---|--|
| | | | | | |
| | -026, -052, -078 (52 total pins per bank) | -04.25 =04.25mm | -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 for (1,60mm) .062" thick Board (N/A with -RF1) -RF1 = One RF Jack per End (N/A with -PC4) |



APPLICATION



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

*Processing conditions will affect mated height.

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

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

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