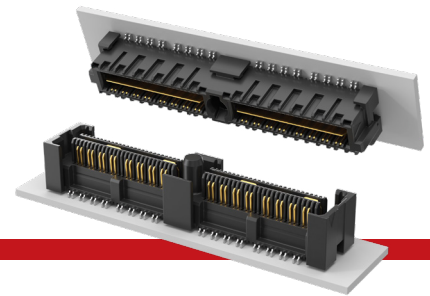




(0.635 mm) .025" PITCH • QMS/QFS SERIES

NRZ
25
Gbps



QMS
Board Mates:
QFS

QFS
Board Mates:
QMS

QMS/QFS

Cable Mates:
6QCD

Standoffs:
SO, JSOM

QMS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
-----	------------------------------	---------------	-------------------	------	---	-----------------

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

Specify
LEAD
STYLE
from
Chart

-L
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail
(-05.75 & -06.75
Lead Style Only)

-D
= Single-Ended

-D-DP
= Differential
Pair

-K
= (5.50 mm)
.217" DIA
Polyimide film
Pick & Place
Pad

-016,
-032, -048
(16 pairs per bank
= -D-DP)

(-078 & -048
Not available
with -09.75
Lead Style)

-SL
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail
(-09.75 Lead Style Only)

PACKAGING OPTION

Tape & Reel
Options
(-TR & -FR)
available. Visit
series web
page and view
engineering prints
for complete
specifications.

SPECIFICATIONS

Insulator Material:

Liquid Crystal Polymer

Contact & Ground

Plane Material:

Phosphor Bronze

Plating:

Au over 50 μ" (1.27 μm) Ni

(Tin on Ground Plane Tail)

Operating Temp Range:

-55 °C to +125 °C

Current Rating:

Contact:

2.6 A per pin (2 pins powered)

Ground Plane:

15.7 A per ground plane

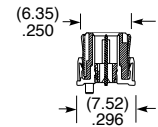
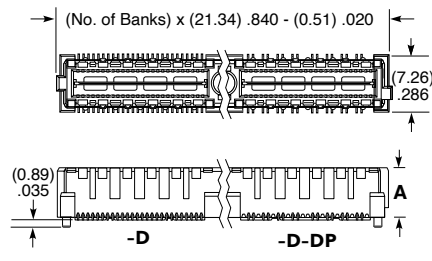
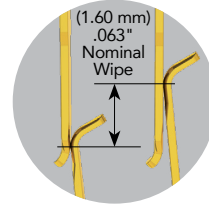
(1 ground plane powered)

Voltage Rating:

250 VAC/ 354 VDC

MATED HEIGHT*			
QMS LEAD STYLE	A	QFS LEAD STYLE	
		-4.25	-6.25
-05.75	(5.38) .212	10 mm	12 mm
-06.75	(6.35) .250	11 mm	13 mm
-09.75	(9.35) .368	14 mm	16 mm

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



PROCESSING

Lead-Free Solderable:

Yes

QMS SMT Lead Coplanarity:

(0.10 mm) .004" max

(026-052)

(0.15 mm) .006" max (078)*

*(.004" stencil solution

may be available; contact

ipg@samtec.com)

QFS SMT Lead Coplanarity:

(0.10 mm) .004" max

(026-078)

Board Stacking:

For applications requiring

more than two connectors

contact ipg@samtec.com

View complete specifications at: samtec.com?QMS

QFS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
-----	------------------------------	---------------	-------------------	------	---	-----------------

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

Specify
LEAD
STYLE
from
Chart

-L
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail
(-04.25 Lead Style only)

-D
= Single-
Ended

-D-DP
= Differential
Pair

-GP
= Guide
Holes
(-04.25 Lead
Style only)

-016, -032,
-048
(16 pairs per bank
= -D-DP)

-SL
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail
(-06.25 Lead Style only)

STANDARDS

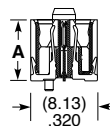
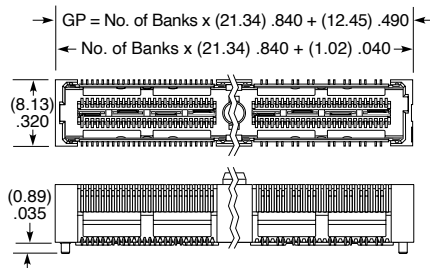
SUMIT™

PCI/104-Express®

PCI/104-Express® OneBank

Visit samtec.com/standards
for more information,
including mated heights and
complete part numbers.

PCI-SIG® PCI Express® and
the PCIe® design marks are
registered trademarks and/or
service marks of PCI-SIG.



LEAD STYLE	A
-04.25	(7.44) .293
-06.25	(9.42) .371

PACKAGING OPTION

Tape & Reel
Options
(-TR & -FR)
available. Visit
series web
page and view
engineering prints
for complete
specifications.

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

View complete specifications at: samtec.com?QFS