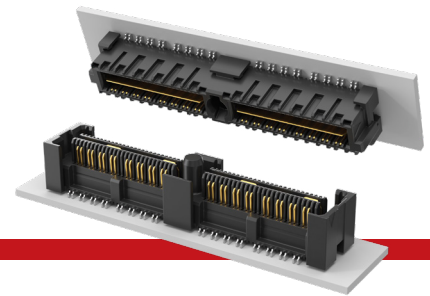




(0.635 mm) .025" PITCH • QMS/QFS SERIES

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

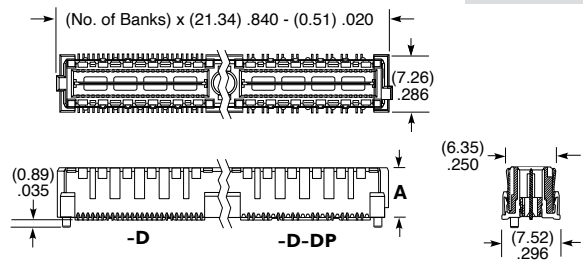
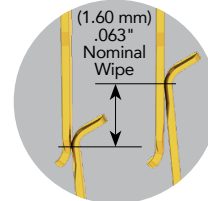
Tape & Reel
Options
(-TR & -FR)
available. Visit
series web
page and view
engineering prints
for complete
specifications.

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
(-04.25
Lead Style
only)

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

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

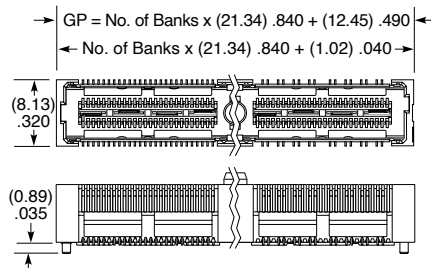
-SL
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail
(-06.25 Lead Style only)

STANDARDS

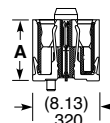
SUMIT™
PCI/104-Express®
PCI/104-Express® OneBank

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