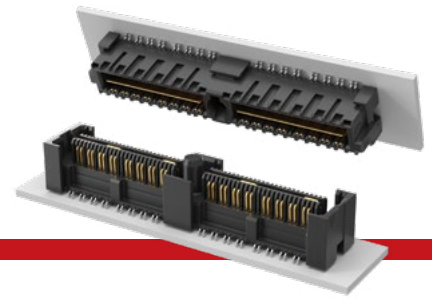




NRZ  
25  
Gbps



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

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

Specify LEAD STYLE from Chart

-L  
= 10 μm (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

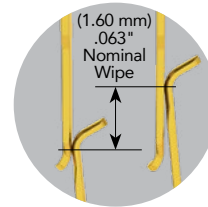
-016,  
-032, -048  
(16 pairs per bank = -D-DP)

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

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

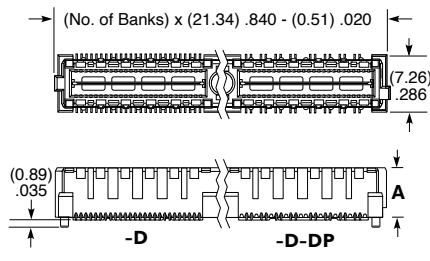
**PACKAGING OPTION**

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



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.



**SPECIFICATIONS**

**Insulator Material:**  
Liquid Crystal Polymer  
**Contact & Ground Plane Material:**  
Phosphor Bronze  
**Plating:**  
Au over 50 μm (1.27 μm) Ni (Tin on Ground Plane Tail)  
**Current Rating:**  
Contact:  
2.6 A per pin (2 pins powered)  
Ground Plane:  
15.7 A per ground plane (1 ground plane powered)  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Voltage Rating:**  
300 VAC

**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

**STANDARDS**

SUMIT™  
PCI/104-Express™  
PCI/104-Express™ OneBank  
  
Visit [samtec.com/standards](http://samtec.com/standards) for more information, including mated heights and complete part numbers.

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

View complete specifications at: [samtec.com?QMS](http://samtec.com?QMS)

QFS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
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-026, -052,  
-078  
(52 total pins per bank = -D)

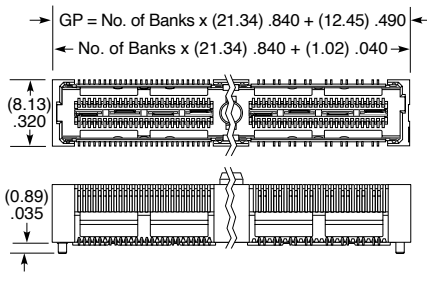
Specify LEAD STYLE from Chart

-L  
= 10 μm (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)



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.

View complete specifications at: [samtec.com?QFS](http://samtec.com?QFS)