

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

QMS
Board Mates:
QFS

QFS
Board Mates:
QMS

QMS/QFS
Cable Mates:
6QCD

Standoffs:
SO, JSOM



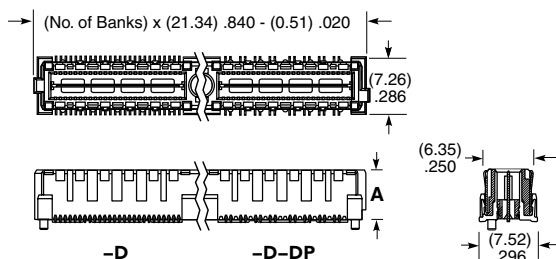
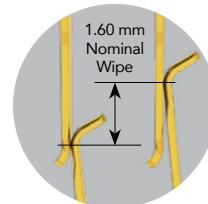
QMS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D)	Specify LEAD STYLE from Chart	-L = 10 μ" (0.25 μm) gold on contact, Matte Tin on tail (-05.75 & -06.75 Lead Style Only)	-D = Single- Ended		-K = (5.50 mm) .217" DIA Polyimide film Pick & Place Pad
	-016, -032, -048 (16 pairs per bank = -D-DP)		-SL = 10 μ" (0.25 μm) gold on contact, Matte Tin on tail (-09.75 Lead Style Only)	-D-DP = Differential Pair		
	(-078 & -048 N/A with -09.75 Lead Style)					

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)
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 when mated

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.



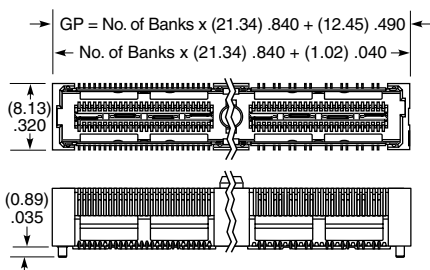
PROCESSING

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)
QFS SMT Lead Coplanarity:
(0.10 mm) .004" max
(026-078)

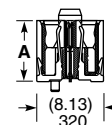
QFS	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D)	Specify LEAD STYLE from Chart	-L = 10 μ" (0.25 μm) gold on contact, Matte Tin on tail (-04.25 Lead Style only)	-D = Single- Ended		-GP = Guide Holes (-04.25 Lead Style only)
	-016, -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)	-D-DP = Differential Pair (-04.25 Lead Style only)		

STANDARDS

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



LEAD STYLE	A
-04.25	(7.44) .299
-06.25	(9.42) .371

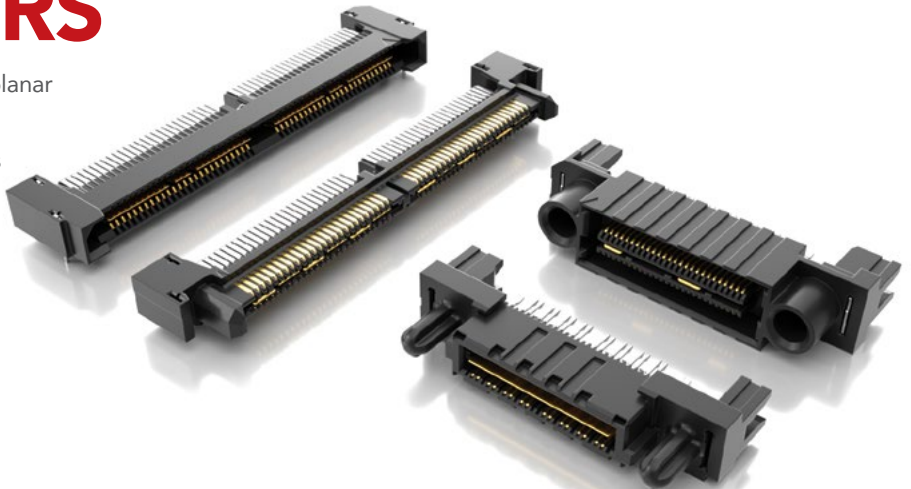


Note:
Some lengths, styles and
options are non-standard,
non-returnable.



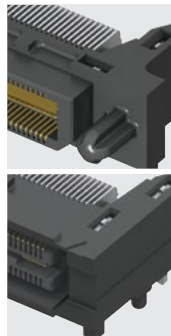
RIGHT-ANGLE & EDGE MOUNT HIGH-SPEED GROUND PLANE CONNECTORS

- Right-Angle and Edge Mount designs for coplanar and perpendicular mating
- Q Strip® Right-Angle High-Speed Connectors on 0.50 mm & 0.635 mm pitches
- Q2™ Right-Angle & Edge Mount Rugged High-Speed Connectors on 0.635 mm pitch
- Q Rate™ Right-Angle Slim Body High-Speed Connectors on 0.80 mm pitch



Q STRIP® HIGH-SPEED GROUND PLANE CONNECTORS

(0.50 mm) .0197" PITCH RIGHT-ANGLE GROUND PLANE HEADERS & SOCKETS

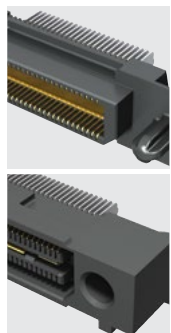


QTH-RA
Board Mates:
QSH

QSH-RA
Board Mates:
QTH

SERIES	PINS PER ROW NO. OF PAIRS	01	PLATING	TYPE	RA	OTHER OPTION
QTH Header	-030, -060, -090 -D = (60 total pins per bank)		-F = Gold Flash on contact, Matte Tin on tails	-D = Single-Ended		-PGP = Plastic Guide Post (QTH only)
QSH Socket	-020, -040, -060 -D-DP = (20 pairs per bank)		-L = 10 μ" (0.25 μm) Gold contact, Matte Tin on tails	-D-DP = Differential Pair		-GP = Guide Post Holes (QSH only)
						-K = Polyimide film Pick & Place Pad

(0.635 mm) .025" PITCH RIGHT-ANGLE GROUND PLANE HEADER



QTS-RA
Board Mates:
QSS

QSS-RA
Board Mates:
QTS

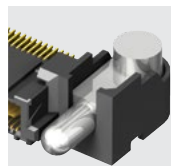
Cable Mates:
SQCD

SERIES	POSITIONS PER ROW	01	PLATING	D	RA	WT	OTHER OPTION
QTS Header	-025, -050, -075 (50 total Positions per bank)		-F = Gold Flash on Signal Pins and Ground Plane, Matte Tin on tails			-WT = Weld Tab (N/A with -025 Positions)	-SP = Solder Pin (QTS only)
QSS Socket			-L = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane, Matte Tin on tails				

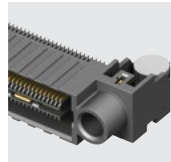
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Q2™ HIGH-SPEED GROUND PLANE CONNECTORS

(0.635 mm) .025" PITCH RIGHT-ANGLE GROUND PLANE HEADERS & SOCKETS



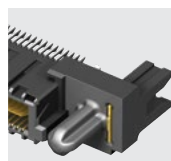
QMS-RA
Board Mates:
QFS



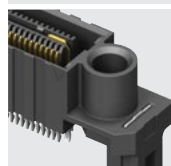
QFS-RA
Board Mates:
QMS

SERIES	PINS PER ROW NO. OF PAIRS	01	PLATING	TYPE	RA	MG	OTHER OPTION
QMS Header	-026, -052, -078 -D = (52 total pins per bank)		-SL = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane, Matte Tin on tails	-D = Single-Ended -D-DP = Differential Pair		-MG = Metal Guide Post (QMS only)	-K = Polyimide film Pick & Place Pad -TR = Tape & Reel (-016, -026, -032 & -052 only) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-016, -026, -032 & -052 only)
QFS Socket	-016, -032, -048 -D-DP = (16 pairs per bank)						

(0.635 mm) .025" PITCH EDGE MOUNT GROUND PLANE HEADERS & SOCKETS



QMS-EM
Board Mates:
QFS

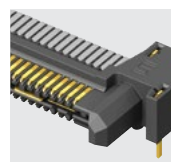


QFS-EM
Board Mates:
QMS

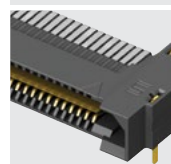
SERIES	POSITIONS PER ROW	01	PLATING	D	EM2	END OPTION	OTHER OPTION
QMS Header	-026, -052, -078		-SL = 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane, Matte Tin on tails			-PC4 = 4 Power Pins per end (QMS only)	-TR = Tape & Reel (-026 & -052 only) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-026 & -052 only)
QFS Socket							

Q RATE® SLIM BODY HIGH-SPEED GROUND PLANE CONNECTORS

(0.80 mm) .0315" PITCH RIGHT-ANGLE SLIM BODY GROUND PLANE HEADERS & SOCKETS



QRM8-RA
Board Mates:
QRF8
(-GP Required)



QRF8-RA
Board Mates:
QRM8
(-GP Required)

SERIES	POSITIONS PER ROW	01	PLATING	RA	GP	OPTION
QRM8 Header	-026, -052, -078 (52 total positions per bank)		-L = 10 μ" (0.25 μm) Gold contact, Matte Tin on tails		-GP = Guide Post (Requires -GP on mating connector)	-K = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad (-052 only) -TR = Tape & Reel (-026, -052 only) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-026 & -052 only)
QRF8 Socket						

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