

(0.50 mm) .0197"

QTH-RA SERIES

RIGHT-ANGLE GROUND PLANE HEADER

SPECIFICATIONS

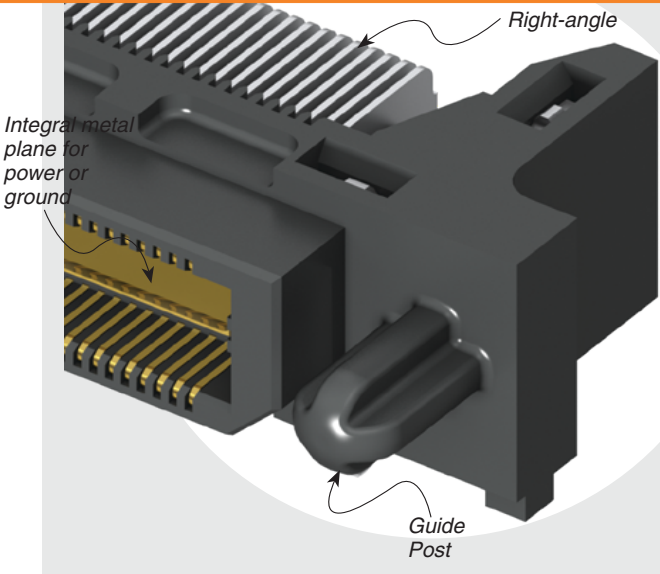
For complete specifications and recommended PCB layouts see [www.samtec.com?QTH-RA](http://www.samtec.com?QTH-RA) or [www.samtec.com?QTH-DP-RA](http://www.samtec.com?QTH-DP-RA)

- Insulator Material: Black Liquid Crystal Polymer
- Terminal Material: Phosphor Bronze
- Weld Tab: Phosphor Bronze
- Ground Plane: Phosphor Bronze
- Plating: Au or Sn over 50 µ" (1.27 µm) Ni
- Current Rating: Contact: 2.2 A per pin (2 pins powered) Ground Plane: 21.8 A per ground plane (1 ground plane powered)
- Operating Temp Range: -55 °C to +125 °C
- Voltage Rating: 220 VAC
- RoHS Compliant: Yes

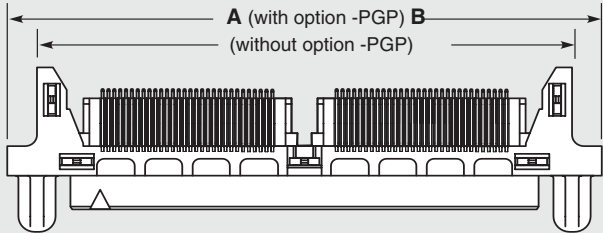
PROCESSING

Lead-Free Solderable: Yes  
SMT Lead Coplanarity: (0.10 mm) .004" max (020-090)

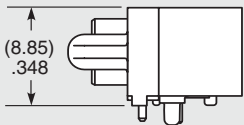
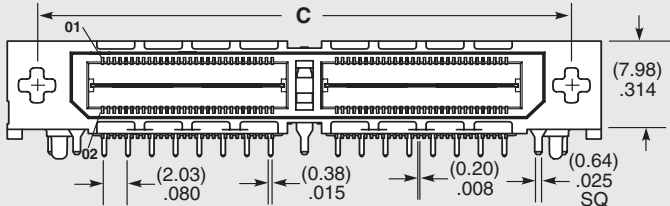
Board Mates: QSH



QTH	PINS PER ROW NO. OF PAIRS	01	PLATING OPTION	TYPE	RA	OTHER OPTION
-030, -060, -090 -D = (60 total pins per bank)			-F = Gold Flash on contact, Matte Tin on tails			-PGP = Plastic Guide Post
-020, -040, -060 -D-DP = (20 pairs per bank)			-L = 10 µ" (0.25 µm) Gold contact, Matte Tin on tails	-D = Single-Ended		-K = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad
				-D-DP = Differential Pair		



NO. OF PAIRS	PINS PER ROW	A	B	C
-020	-030	(30.80) 1.213	(25.72) 1.013	(25.72) 1.013
-040	-060	(50.80) 2.000	(45.72) 1.800	(45.72) 1.800
-060	-090	(70.80) 2.788	(65.72) 2.588	(65.72) 2.588



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