



QTS-050-01-F-D-RA-WT



QTS-RA SERIES

(0.635 mm) .025"

RIGHT-ANGLE GROUND PLANE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QTS-RA

Insulator Material:

Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μm (1.27 μm) Ni

Current Rating:

Contact:

2 A per pin

(1 pin powered per row)

Ground Plane:

15.7 A per ground plane

(1 ground plane powered)

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

275 VAC mated with QSS-RA

RoHS Compliant:

Yes

Board Mates:

QSS

RUGGEDIZED
BY SAMTEC

- Guide posts
- Weld tabs
- PCB mounting holes
- Solder pin option

Integral metal plane for power or ground

Right-angle

Selectively plated

Guide post

HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

	QTS-RA/QSS-RA	QTS-RA/QSS-D
13	16	
G b p s	G b p s	

APPLICATIONS



HORIZONTAL



PERPENDICULAR

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (025-075)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- 30 μm (0.76 μm) Gold
 - Differential Pair
 - "Partitionable" (combine differential & single-ended banks in same connector)
 - Lead Style for (2,36 mm) .093" thick board
 - -LS1 Locking Screw (Mates with QSS-RA-LS1)
 - -LS2 Locking Screw (Mates with QSS-LS2)
 - 100 positions per row
- Contact Samtec.

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

QTS	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	RA	WT	OTHER OPTION
	-025, -050, -075 (50 total positions per bank)		-F = Gold Flash on Signal Pins and Ground Plane, Matte Tin on tails			-WT = Weld Tab (Not available on 25 positions)	-SP = Solder Pin
			-L = 10 μm (0.25 μm) Gold on Signal Pins and Ground Plane, Matte Tin on tails				

