



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



QTS-025-01-F-D-RA

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

50µ" (1,27 µm) Ni

Current Rating:

1.2A per contact @ 30°C

Temperature Rise

Operating Temp Range:

-55°C to +125°C

Voltage Rating:

275 VAC mated with QSS-RA

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (025-075)



Board Mates: QSS

QTS-RA/QSS-RA	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	4.50 GHz / 9 Gbps
Differential Pair Signaling	-D	4.50 GHz / 9 Gbps
QTS-RA/QSS	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	5.5 GHz / 11 Gbps
Differential Pair Signaling	-D	6.0 GHz / 12 Gbps

*Performance data includes effects of a non-optimized PCB.
Complete test data available at www.samtec.com?QTS-RA or contact sig@samtec.com

Integral metal plane for power or ground

Right Angle

Selectively plated

Guide Post

APPLICATIONS



HORIZONTAL



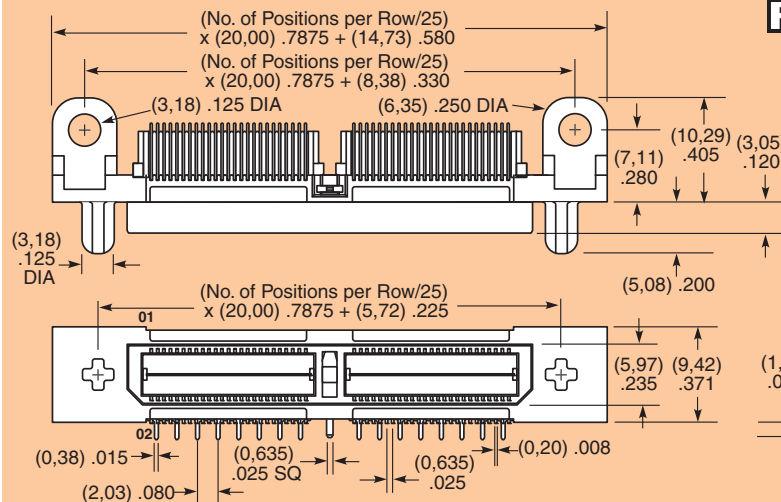
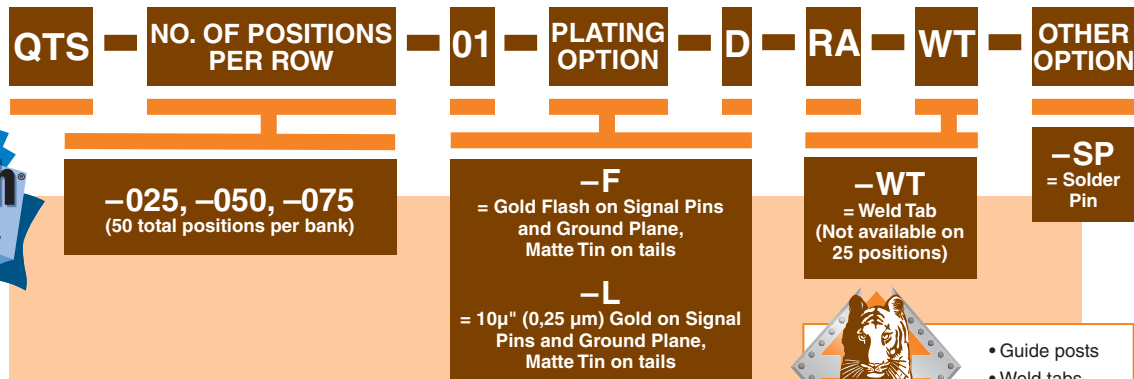
PERPENDICULAR



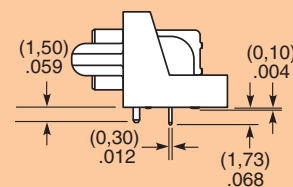
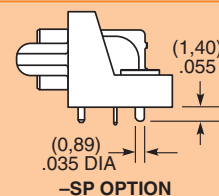
APPLICATION SPECIFIC OPTION

- 30µ" (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
- Call Samtec.

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



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



Due to technical progress, all designs, specifications and components are subject to change without notice.

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