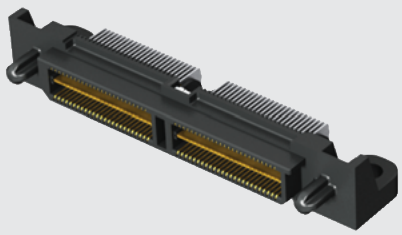
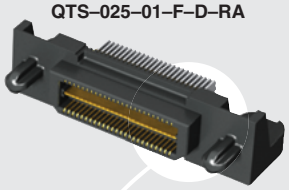
samtec

QSTRIP®

(0,635 mm) .025"



QTS–050–01–F–D–RA–WT



QTS–025–01–F–D–RA

QTS-RA SERIES

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:
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

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)

- 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

Contact Samtec.

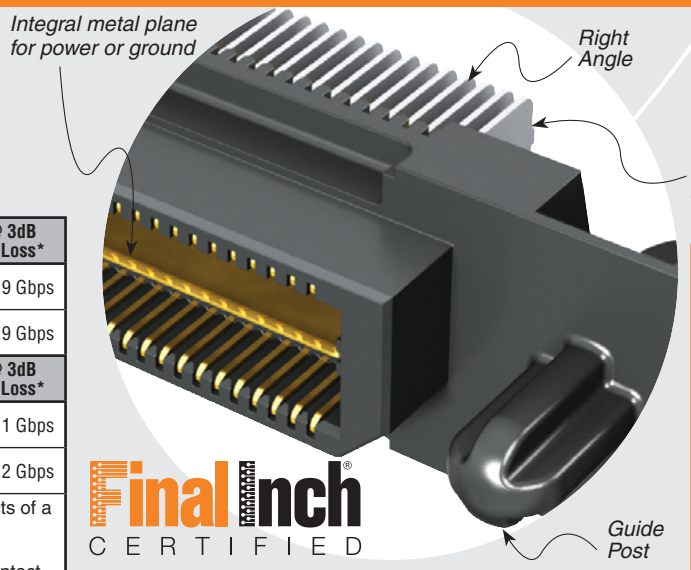
Note: Some lengths, styles and options are non-standard, non-returnable.

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



APPLICATIONS

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

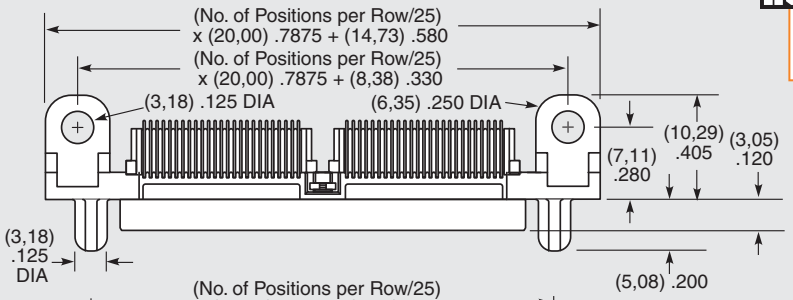
–L
= 10µ" (0,25 µm) Gold on Signal Pins and Ground Plane, Matte Tin on tails

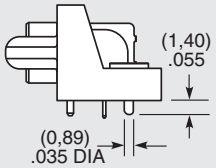
–WT
= Weld Tab (Not available on 25 positions)

–SP
= Solder Pin

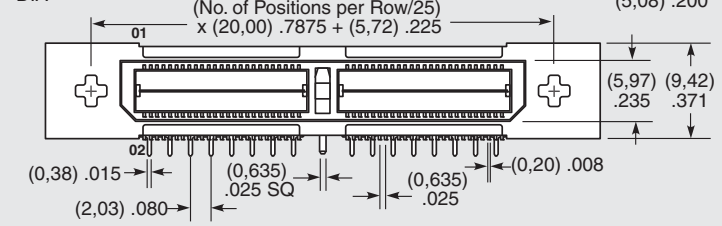
RUGGEDIZED by SAMTEC

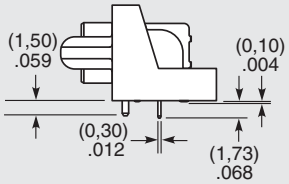
- Guide posts
- Weld tabs
- PCB mounting holes
- Solder pin option





–SP OPTION





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