F-215

samtec

QSTRIP®

QTS–050–01–F–D–RA–WT

QTS–025–01–F–D–RA

(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
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

UL
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

Integral metal plane for power or ground

Right Angle

Selectively plated

Guide Post

Final Inch®
CERTIFIED

APPLICATIONS

HORIZONTAL

PERPENDICULAR

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

(No. of Positions per Row/25) x (20,00) .7875 + (14,73) .580
(No. of Positions per Row/25) x (20,00) .7875 + (8,38) .330
(3,18) .125 DIA
(6,35) .250 DIA
(10,29) .405
(3,05) .120
(7,11) .280
(3,18) .125 DIA

(No. of Positions per Row/25) x (20,00) .7875 + (5,72) .225
(5,08) .200

01
02
(0,38) .015
(0,635) .025 SQ
(0,635) .025
(0,20) .008
(2,03) .080
(5,97) .235
(9,42) .371

(1,40) .055
(0,89) .035 DIA
–SP OPTION
(1,50) .059
(0,10) .004
(0,30) .012
(1,73) .068

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