

QTT-117-04-G-5

QST-117-02-G-T

(2,00 mm) .0787"

QTT, QST SERIES

# POWER PLANE TERMINAL & SOCKET

## SPECIFICATIONS

For complete specifications see [www.samtec.com?QTT](http://www.samtec.com?QTT) or [www.samtec.com?QST](http://www.samtec.com?QST)

### Insulator Material:

Black Liquid Crystal Polymer

### Terminal Material (QTT):

Phosphor Bronze

### Contact Material (QST):

Phosphor Bronze

### Operating Temp Range:

-55°C to +105°C with Tin;

-55°C to +125°C with Gold

### Plating:

Sn or Au over 50µ" (1,27 µm) Ni

### Insertion Force (QST):

4 oz (1,11 N) avg

### Withdrawal Force (QST):

3 oz (0,837 N) avg

### Impedance:

50Ω ±5% @ 170 MHz

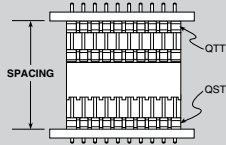
50Ω ±20% @ 253 MHz

(system @ 50Ω)

### RoHS Compliant:

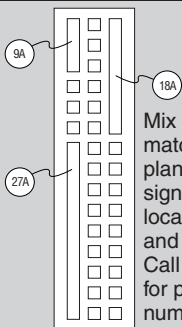
Yes

## APPLICATIONS



| QTT | QST | SPACING       |
|-----|-----|---------------|
| -01 | -02 | (19,71) .776  |
| -02 | -02 | (21,72) .855  |
| -03 | -03 | (27,51) 1.083 |
| -04 | -04 | (32,31) 1.272 |

## OTHER SOLUTIONS



Mix and match power plane and signal pin locations and size. Call Samtec for part number.

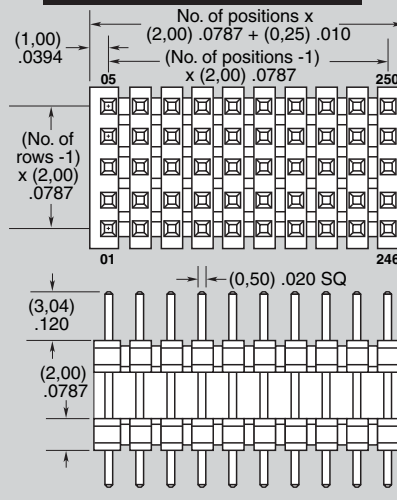
**Note:**  
Some lengths, styles and options are non-standard, non-returnable.

QTT

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTIONROW  
OPTION

10 thru 50

Specify  
LEAD  
STYLE  
from  
chart

| LEAD<br>STYLE | A            |
|---------------|--------------|
| -01           | (7,00) .276  |
| -02           | (9,00) .355  |
| -03           | (11,00) .433 |
| -04           | (13,00) .512 |

**-G**  
= 20µ" (0,51 µm)  
Gold on  
contact area  
Gold flash on tail

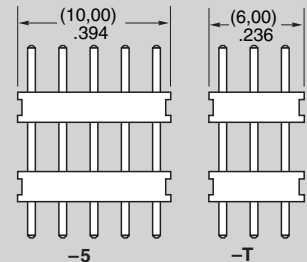
**-S**  
= 30µ" (0,76 µm)  
Gold on  
contact area,  
Tin on tail

**-L**  
= 10µ" (0,25 µm)  
Gold on  
contact area,  
Tin on tail

**-F**  
= Gold flash  
on contact area,  
Tin on tail

**-T**  
= Triple Row  
(Row 2 is Ground Plane)

**-5**  
= Five Row  
(Rows 2 and 4 are Ground Planes)

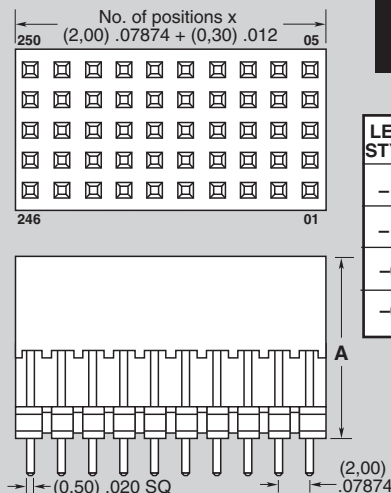


QST

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTIONROW  
OPTION

10 thru 50

Specify  
LEAD  
STYLE  
from  
chart

| LEAD<br>STYLE | A            | B           |
|---------------|--------------|-------------|
| -01           | (16,21) .638 | (5,39) .212 |
| -02           | (12,70) .500 | (3,18) .125 |
| -03           | (16,51) .650 | (2,29) .090 |
| -04           | (19,30) .760 |             |

**-G**  
= 20µ" (0,51 µm)  
Gold on contact area,  
Gold flash on tail

**-S**  
= 30µ" (0,76 µm)  
Gold on contact area,  
Tin on tail

**-L**  
= 10µ" (0,25 µm)  
Gold on contact area,  
Tin on tail

**-F**  
= Gold flash on  
contact area,  
Tin on tail

**-T**  
= Triple Row  
(Row 2 is Ground Plane)

**-5**  
= Five Row  
(Rows 2 and 4 are Ground Planes)

