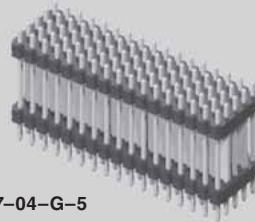




QST-117-02-G-T



QTT-117-04-G-5

(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



**10 thru 50**

No. of positions x (2,00) .0787 + (0,25) .010  
 (No. of positions - 1) x (2,00) .0787

(1,00) .0394

(No. of rows - 1) x (2,00) .0787

05 250

01 246

(3,04) .120

(2,00) .0787

(0,50) .020 SQ

A (2,29) .090

**Specify LEAD STYLE from chart**

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

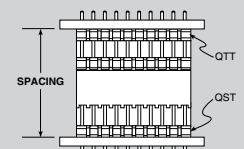
**PLATING OPTION**

- 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

**ROW OPTION**

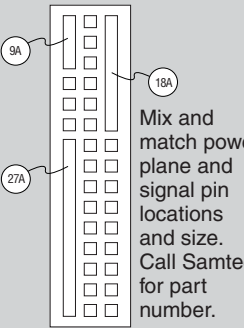
- T = Triple Row (Row 2 is Ground Plane)
- 5 = Five Row (Rows 2 and 4 are Ground Planes)

## 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



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



**10 thru 50**

No. of positions x (2,00) .07874 + (0,30) .012

250 05

246 01

A (2,29) .090

(0,50) .020 SQ

(2,00) .07874

**Specify LEAD STYLE from chart**

LEAD 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	

**PLATING OPTION**

- 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

**ROW OPTION**

- T = Triple Row (Row 2 is Ground Plane)
- 5 = Five Row (Rows 2 and 4 are Ground Planes)

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

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