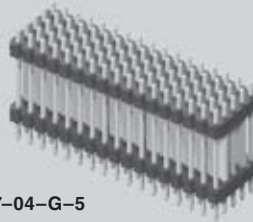




QST-117-02-G-T



QTT-117-04-G-5

(2,00mm) .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  
**Current Rating:**  
3A @ 80°C ambient  
**Operating Temp Range:**  
-55°C to +105°C with Tin;  
-55°C to +125°C with Gold  
**Max Processing Temp:**  
230°C for 60 seconds  
**Plating:**  
Sn or Au over 50µ" (1,27µm) Ni  
**Insertion Force (QST):**  
4oz (1,11N) avg  
**Withdrawal Force (QST):**  
3oz (0,837N) avg  
**Impedance:**  
50Ω ±5% @ 170MHz  
50Ω ±20% @ 253MHz  
(system @ 50Ω)  
**RoHS Compliant:** Yes

**QTT** - **1** **NO. PINS PER ROW** - **LEAD STYLE** - **PLATING OPTION** - **ROW OPTION**

**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

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

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

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

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

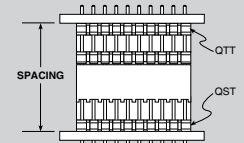
**-T** = Triple Row  
(Row 2 is Ground Plane)

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

(10,00) .394 (6,00) .236

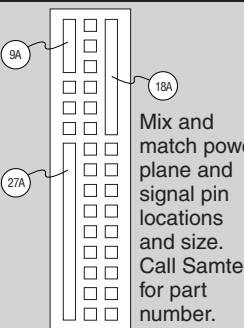
-5 -T

## APPLICATIONS



TYPICAL BOARD SPACING		
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

## APPLICATION SPECIFIC OPTION



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

**QST** - **1** **NO. PINS PER ROW** - **LEAD STYLE** - **PLATING OPTION** - **ROW OPTION**

**10 thru 50**

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

250 05

246 01

A (2,00) .07874

(0,50) .020 SQ

**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	

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

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

**-L** = 10µ" (0,25µm)  
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)

(10,00) .394 (6,00) .236

B (2,00) .07874

-5 -T

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

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