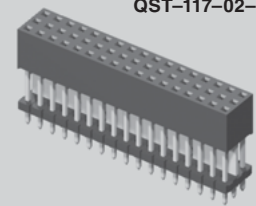


QTT-117-04-G-5



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

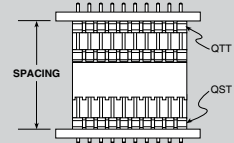
**Impedance:** 50Ω ±5% @ 170 MHz

50Ω ±20% @ 253 MHz (system @ 50Ω)

**RoHS Compliant:** Yes

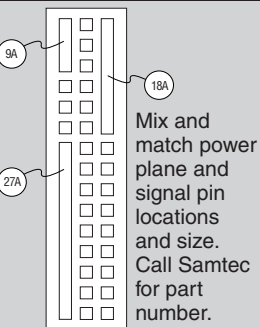
Yes

## 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



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

**QTT** - **1** NO. PINS PER ROW

**LEAD STYLE**

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)

**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

(10,00) .394

(6,00) .236

-5 -T

**QST** - **1** NO. PINS PER ROW

**LEAD STYLE**

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)

**10 thru 50**

No. of positions x (2,00) .0787 + (0,30) .012

250 05

246 01

A

(2,00) .07874

(0,50) .020 SQ

B

(10,00) .394

(6,00) .236

-5 -T

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Authorized Distributor

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