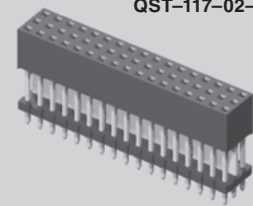


QTT-117-04-G-5



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 or 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

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

(3,04) .120

(2,00) .0787

(0,50) .020 SQ

(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" (0,51 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)

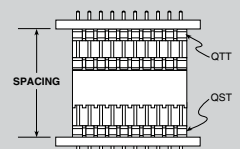
-5 = Five Row
(Rows 2 and 4 are Ground Planes)

(10,00) .394

(6,00) .236

-5 -T

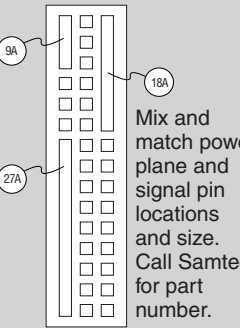
APPLICATIONS



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

OTHER SOLUTIONS



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) .0787 + (0,30) .012

(16,21) .638

(12,70) .500

(16,51) .650

(19,30) .760

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" (0,51 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)

(10,00) .394

(6,00) .236

(2,00) .07874

(0,50) .020 SQ

A

B

-5 -T