

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

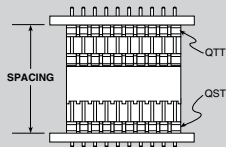
50Ω ±20% @ 253 MHz

(system @ 50Ω)

RoHS Compliant:

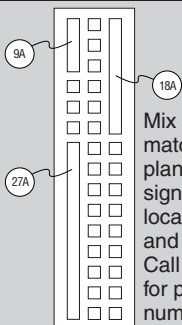
Yes

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.

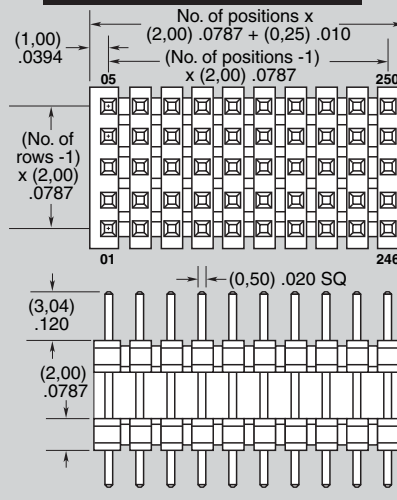
Note:
Some lengths, styles and options are non-standard, non-returnable.

QTT

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTIONROW
OPTION

10 thru 50

Specify
LEAD
STYLE
from
chart

LEAD 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)

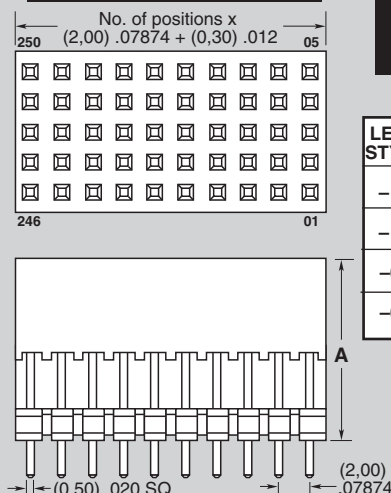


QST

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTIONROW
OPTION

10 thru 50

Specify
LEAD
STYLE
from
chart

LEAD 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,
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-T
= Triple Row
(Row 2 is Ground Plane)

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

