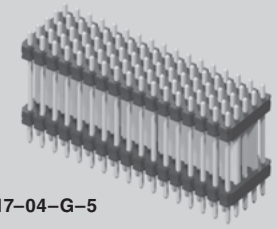
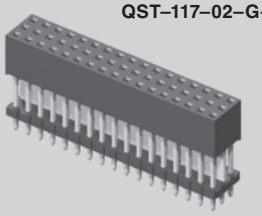
samtec



QTT–117–04–G–5



QST–117–02–G–T

(2,00 mm) .0787"

QTT, QST SERIES

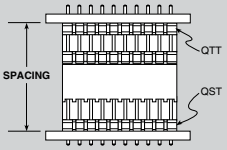
POWER PLANE TERMINAL & SOCKET

SPECIFICATIONS

For complete specifications see www.samtec.com?QTT or www.samtec.com?QST

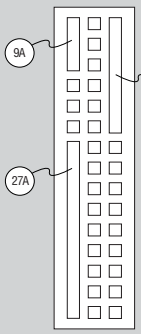
Insulator Material:
Black Liquid Crystal Polymer
Terminal Material (QTT):
Phosphor Bronze
Contact Material (QST):
Phosphor Bronze
Operating Temp Range:
-55°C to +105°C with Tin;
-55°C to +125°C with Gold
Plating:
Sn or Au over 50µ" (1,27 µm) Ni
Insertion Force (QST):
4 oz (1,11 N) avg
Withdrawal Force (QST):
3 oz (0,837 N) avg
Impedance:
50Ω ±5% @ 170 MHz
50Ω ±20% @ 253 MHz
(system @ 50Ω)
RoHS Compliant:
Yes

APPLICATIONS



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



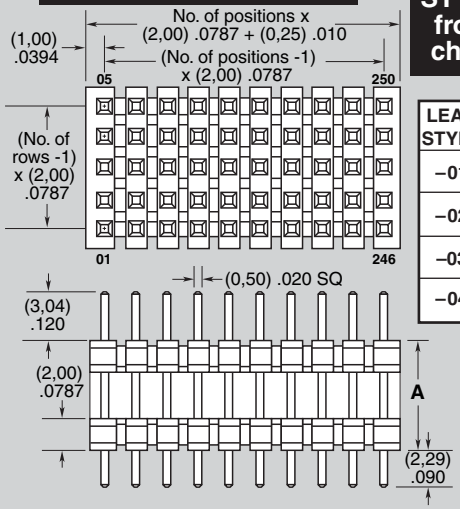
Mix and match power plane and signal pin locations and size. Call Samtec for part number.

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

QTT – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – ROW 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

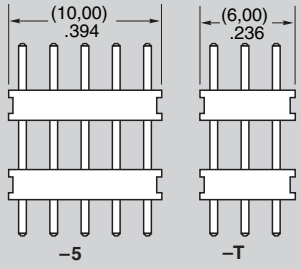
–S
= 30µ" (0,76 µm) Gold on contact area, Tin on tail

–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)

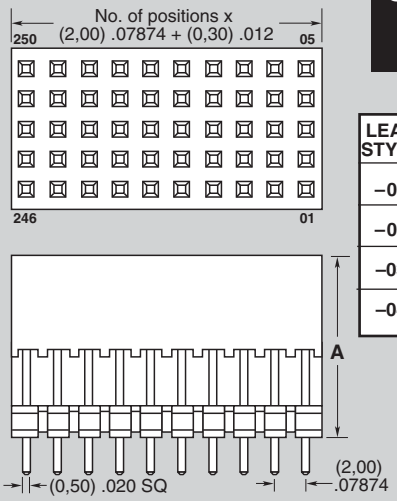
–5
= Five Row
(Rows 2 and 4 are Ground Planes)



QST – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – ROW 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, Tin on tail

–T
= Triple Row
(Row 2 is Ground Plane)

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