



0,635mm SMT HI-SPEED QTS, QSS SERIES

SPECIFICATIONS

Mates with:
QSS, QTS, SQCD

For complete specifications and recommended PCB layouts see www.samtec.com?QTS or www.samtec.com?QSS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Phosphor Bronze



Plating:
Au over 50µ" (1,27µm) Ni
Current Rating:
Contact: 1.1A @ 30°C
Temperature Rise
Ground Plane: 7.8A @ 30°C
Temperature Rise
Operating Temp:
-55°C to +125°C
Voltage Rating:
285 VAC
RoHS Compliant:
Yes

Processing:

Max Processing Temp:
230°C for 60 seconds, or
260°C for 20 seconds 3x
Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0,10mm) .004" max (025-075)
(0,15mm) .006" max (100)
Board Stacking:
For applications requiring more than two connectors per board, contact ipg@samtec.com

Rated @ -3dB Insertion Loss	
5mm Stack Height	
Single-Ended	9 GHz / 18 Gbps
Differential Pair	8.5 GHz / 17 Gbps
Performance data for other stack heights available at www.samtec.com?QTS or www.samtec.com?QSS	

APPLICATION SPECIFIC OPTION

- 30µ" (0,76µm) Gold
 - 125 positions per row
 - Differential Pair
 - 11mm and 16mm stack height
 - Edge Mount
 - "Partitionable" (combine differential & single-ended banks in same connector)
- Call Samtec.



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

QTS	NO. OF POSITIONS PER ROW	BODY STYLE	PLATING OPTION	D	A	OTHER OPTION
	-025, -050, -075, -100 (50 total positions per bank)	Specify LEAD STYLE from chart.	-L = 10µ" (0,25µm) Gold on Signal Pins and Ground Plane, Gold Flash on tails -F = Gold Flash on Signal Pins and Ground Plane			-K = (7,00mm) .275" DIA Polyimide film Pick & Place Pad -TR = Tape & Reel (-075 positions maximum)

STACK HEIGHTS		
LEAD STYLE	A	MATED HEIGHT
-01	(4,27) .168	(5,00) .198
-02	(7,26) .286	(8,00) .315

Processing conditions will affect mated height.

QSS	NO. OF POSITIONS PER ROW	01	PLATING OPTION	D	A	OTHER OPTION
	-025, -050, -075, -100 (50 total positions per bank)		-L = 10µ" (0,25µm) Gold on Signal Pins and Ground Plane, Gold Flash on tail -F = Gold Flash on Signal Pins and Ground Plane			-GP = Guide Holes for mating with QTS-RA -LS2 = Locking Screw Hole for mating with QTS-RA-LS2 -K = (8,25mm) .325" DIA Polyimide Film Pick & Place Pad -TR = Tape and Reel (-075 positions maximum)

	A	B	C
-LS2	(13,97) .550	(5,84) .230	(2,44) .096
-GP	(10,90) .429	(5,72) .225	(3,56) .140

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

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