



QSS-025-01-F-D-A

QTS-050-01-F-D-A

QSS-050-01-L-D-A

QTS-025-01-L-D-A

0,635mm PITCH 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

Operating Temp:
-55°C to +125°C

Voltage Rating:
285 VAC

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



QTS - **NO. OF POSITIONS PER ROW** - **BODY STYLE** - **PLATING OPTION** - **D** - **A** - **OTHER OPTION**

-025, -050, -075, -100
(50 total positions per bank)

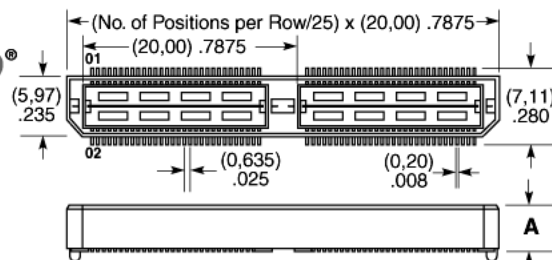
Specify
LEAD
STYLE
from
chart.

-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) .316

Processing conditions will affect mated height.

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.

QSS - **NO. OF POSITIONS PER ROW** - **01** - **PLATING OPTION** - **D** - **A** - **OTHER OPTION**

-025, -050, -075, -100
(50 total positions per bank)

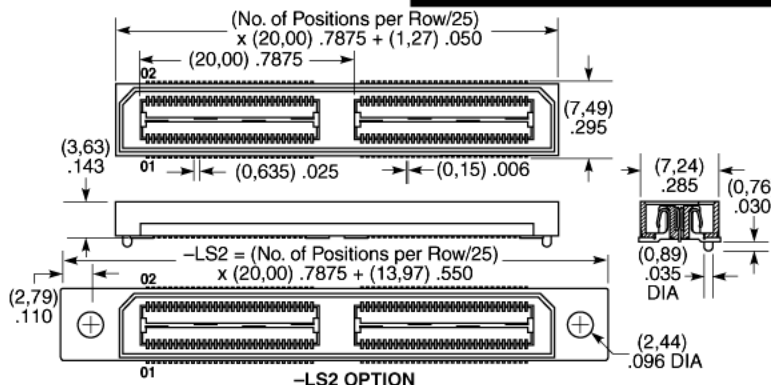
-L
= 10µ" (0,25µm) Gold on Signal Pins and
Ground Plane, Gold Flash on tail

-F
= Gold Flash on Signal Pins and Ground Plane

-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)



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

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