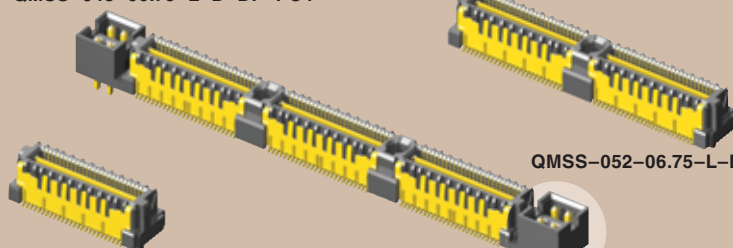


QMSS-048-06.75-L-D-DP-PC4



QMSS-052-06.75-L-D-A

QMSS-026-06.75-L-D-A

www.DataSheet4U.com

0,635mm SHIELDED HEADER QMSS SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QMSS

Insulator Material:

Liquid Crystal Polymer



Terminal, Ground Plane & Shield Material:
Phosphor Bronze

Plating:

Au over 50µ" (1,27µm) Ni (Tin on Ground Plane Tail)

Current Rating:

Signal Contact: 1.8A @ 80°C
Power Contact: 3.95A @ 80°C
Ground Plane: 8.9A @ 80°C

Voltage Rating:

300 VAC mated with QFSS

Operating Temp:

-55°C to +125°C

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 (026-078)

(0,15mm) .006" max (104)

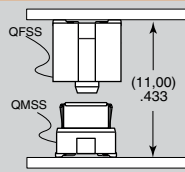
Board Stacking:

For applications requiring more than two connectors per board or 4 banks or more, contact ipg@samtec.com

APPLICATION SPECIFIC OPTION

- Headers without Alignment Pins
 - 8 Power Pins/End
 - 4 or 8 Power Pins/End for (2,36mm) 0.93" thick board
 - Guide Post
 - Edge Mount
 - Hot Pluggable
- Call Samtec.

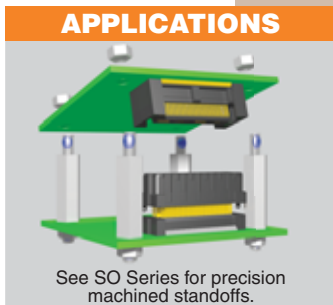
APPLICATION



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

Board Mates:
QFSS

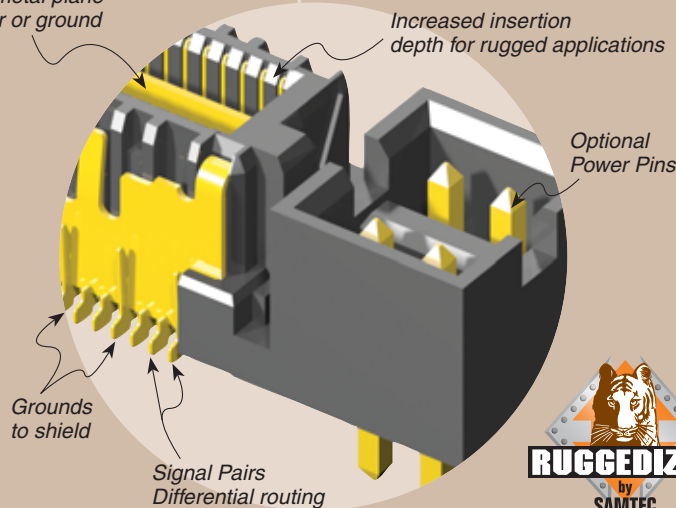
Cable Mates:
6QDPS



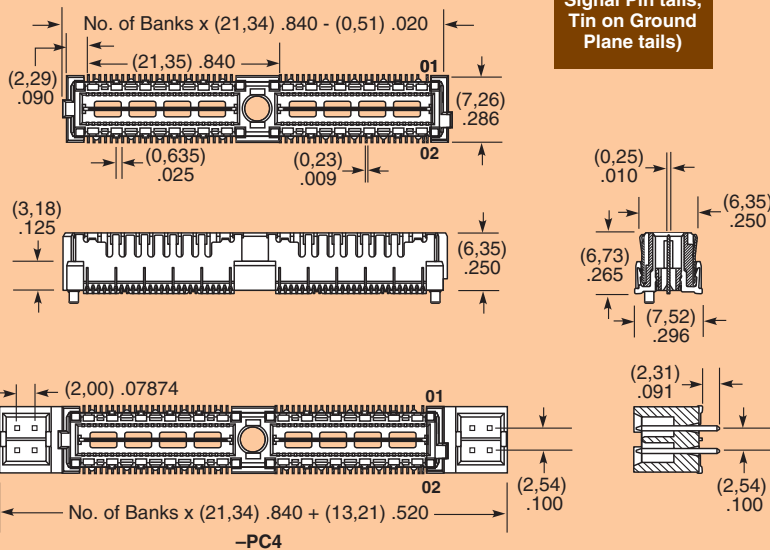
11mm Stack Height	Based on ± 10% Impedance/Crosstalk
Single-Ended Signaling	2.3 GHz / 4.6 Gbps
Differential Pair Signaling	1.4 GHz / 2.8 Gbps

Integral metal plane for power or ground

Increased insertion depth for rugged applications



QMSS	PINS PER ROW NO. OF PAIRS	06.75	PLATING OPTION	TYPE	A	OTHER OPTION
	<p>-026, -052, -078, -104 (52 total pins per bank 40 signals + 12 grounds to shield = -D)</p> <p>-016, -032, -048, -064 (16 pairs per bank = -D-DP)</p>		<p>-L = 10µ" (0,25µm) Gold on Signal Pins, Shield and Ground Plane</p> <p>(Gold flash on Signal Pin tails, Tin on Ground Plane tails)</p>	<p>-D = Single-Ended</p> <p>-D-DP = Differential Pair</p>		<p>-K = (5,50mm) .217" DIA Polyimide film Pick & Place Pad (N/A with -PC4)</p> <p>-PC4 = 4 Power Pins/End (N/A with -104 or -A)</p>



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

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