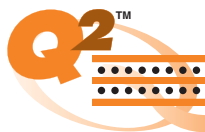


(0,635mm) .025"

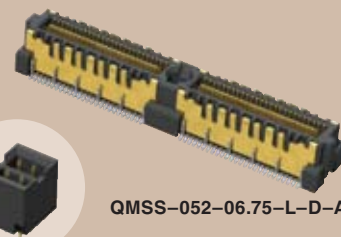
QMSS SERIES



QMSS-032-06.75-L-D-DP-PC4



QMSS-026-06.75-L-D-A



QMSS-052-06.75-L-D-A

SHIELDED GROUND PLANE HEADER

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:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max (026-078)

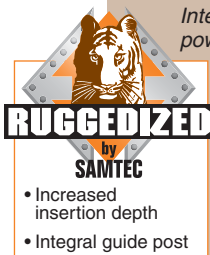
(0,15mm) .006" max (104)

Board Stacking:

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

Board Mates:
QFSS

Cable Mates:
6QDPS



- Increased insertion depth
- Integral guide post

APPLICATIONS



See SO Series for precision machined standoffs.

Integral metal plane for power or ground

Increased insertion depth for rugged applications

Optional Power Pins

(1,30mm)
.051"
NOMINAL
WIPE

Grounds to shield

Signal Pairs
Differential routing

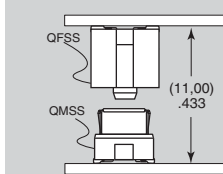
11mm Stack Height	Based on ± 10% Impedance/Crosstalk
Single-Ended Signaling	2.3 GHz / 4.6 Gbps
Differential Pair Signaling	1.4 GHz / 2.8 Gbps

Performance data for other stack heights and complete test data available at www.samtec.com/QMSS or contact sig@samtec.com

APPLICATION SPECIFIC OPTION

- Headers without Alignment Pins
 - 8 Power Pins/End
 - 4 or 8 Power Pins/End for (2,36mm) .093" thick board
 - Guide Post
 - Edge Mount
 - Hot Pluggable
- Call Samtec.

APPLICATION



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

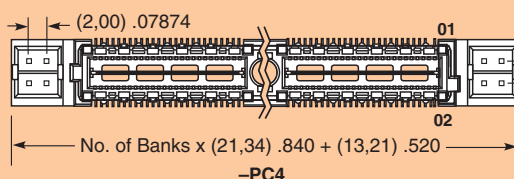
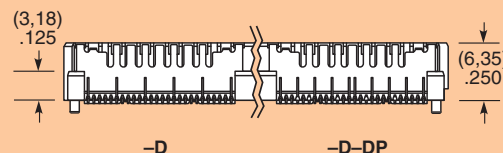
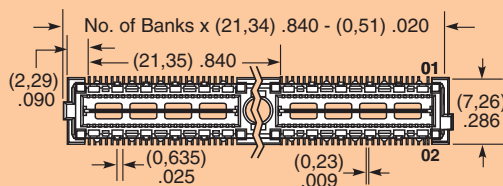
QMSS — PINS PER ROW NO. OF PAIRS — 06.75 — PLATING OPTION — TYPE — A — OTHER OPTION

—026, —052, —078, —104

(52 total pins per bank
40 signals + 12 grounds to shield = -D)

—016, —032, —048, —064

(16 pairs per bank = -D-DP)



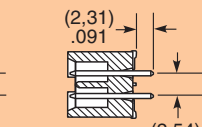
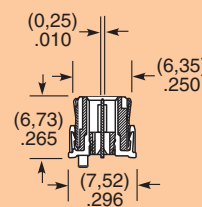
—L
= 10µ" (0,25µm)
Gold on Signal Pins, Shield and Ground Plane

(Tin on Signal Pin tails, and Ground Plane tails)

—D
= Single-Ended
—D-DP
= Differential Pair

—K
= (5,50mm)
.217" DIA
Polyimide film Pick & Place Pad
(N/A with —PC4)

—PC4
= 4 Power Pins/End
(N/A with —104 or —A)



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

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