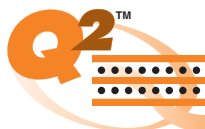
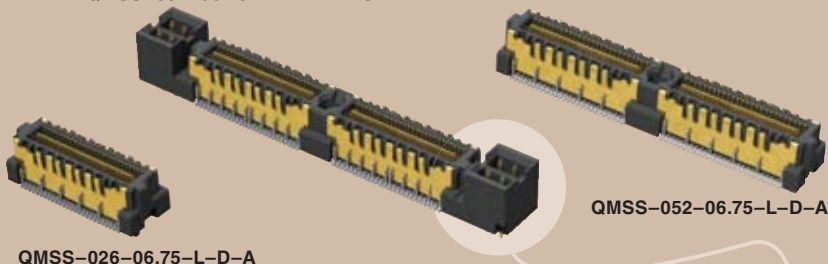


(0,635mm) .025"

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)

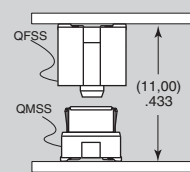
Board Stacking:

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

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.

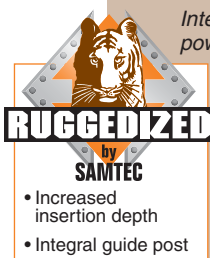
APPLICATION



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

Board Mates:
QFSS

Cable Mates:
6QDPS



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	6.0 GHz / 12.0 Gbps
Differential Pair Signaling	7.5 GHz / 15.0 Gbps

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

QMSS

PINS PER ROW
NO. OF PAIRS

06.75

PLATING
OPTION

TYPE

A

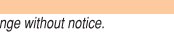
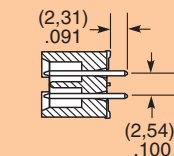
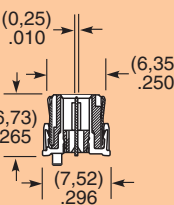
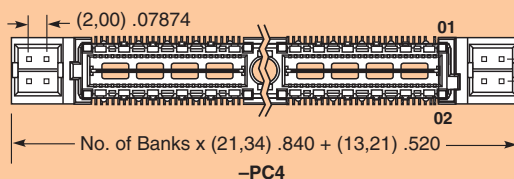
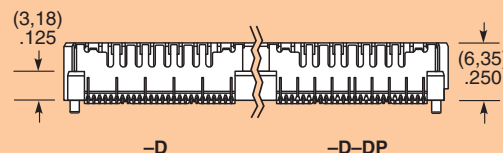
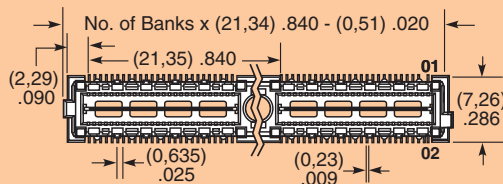
OTHER
OPTION

-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)



-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.

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-9329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683