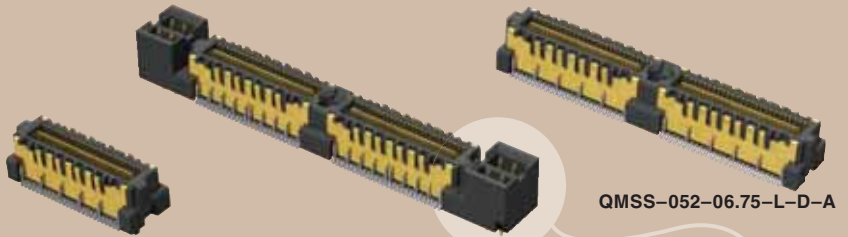


(0,635 mm) .025"

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



QMSS-026-06.75-L-D-A

QMSS-052-06.75-L-D-A

QMSS SERIES

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" (1,27 µm) Ni

(Tin on Ground Plane Tail)

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:

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

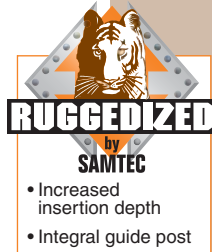
Board Stacking:

For applications requiring more

than two connectors per board,

contact ipg@samtec.com

Board Mates:
QFSS



QMSS/QFSS 11 mm Stack Height	Type	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	-D	6 GHz / 12 Gbps
Differential Pair Signaling	-D	7 GHz / 14 Gbps
Differential Pair Signaling	-D-DP	7.5 GHz / 15 Gbps

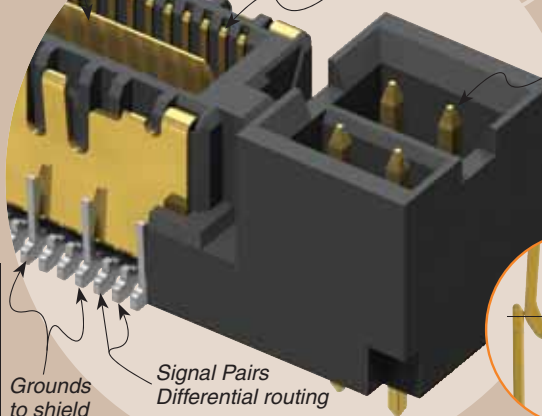
*Performance data includes effects of a non-optimized PCB.

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

Integral metal plane for
power or ground

Increased insertion
depth for rugged applications

Optional
Power Pins



Grounds to shield

Signal Pairs
Differential routing

(1,30 mm)
.051"
NOMINAL
WIPE

RECOGNITIONS

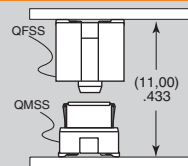
For complete scope of recognitions see www.samtec.com/quality



ALSO AVAILABLE (MOQ Required)

- Headers without Alignment Pins
 - 8 Power Pins/End
 - 4 or 8 Power Pins/End for (2,36 mm) .093" thick board
 - Guide Post
 - Edge Mount
 - Hot Pluggable
 - 64 (-DP) and 104 pins per row
- Contact Samtec.

APPLICATION



Note: Patented

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

QMSS

PINS PER ROW
NO. OF PAIRS

06.75

PLATING
OPTION

TYPE

A

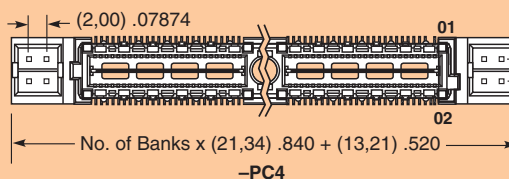
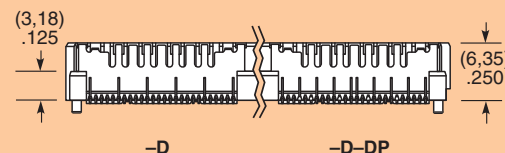
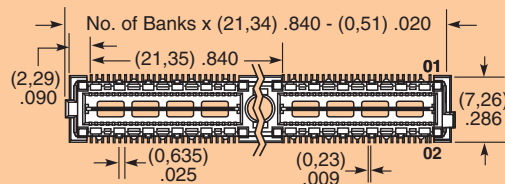
OTHER
OPTION

-026, -052, -078

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

-016, -032, -048

(16 pairs per bank = -D-DP)



-L

= 10µ" (0,25 µm)
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

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

-PC4

= 4 Power
Pins/End
(N/A with -A)

OTHER SOLUTIONS



See SO Series for precision
machined standoffs.

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

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