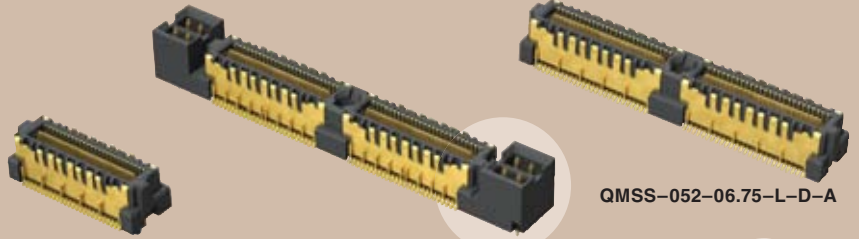


(0,635mm) .025"

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](http://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

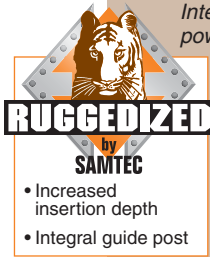
**Operating Temp:**  
-55°C to +125°C  
**RoHS Compliant:**  
Yes

**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](mailto:ipg@samtec.com)

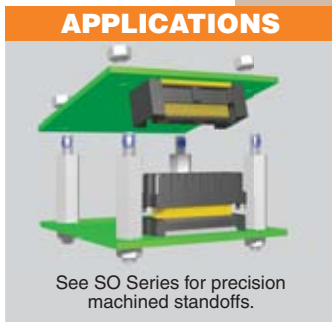
**Board Mates:**  
QFSS

**Cable Mates:**  
6QDPS



- Increased insertion depth
- Integral guide post

## APPLICATIONS

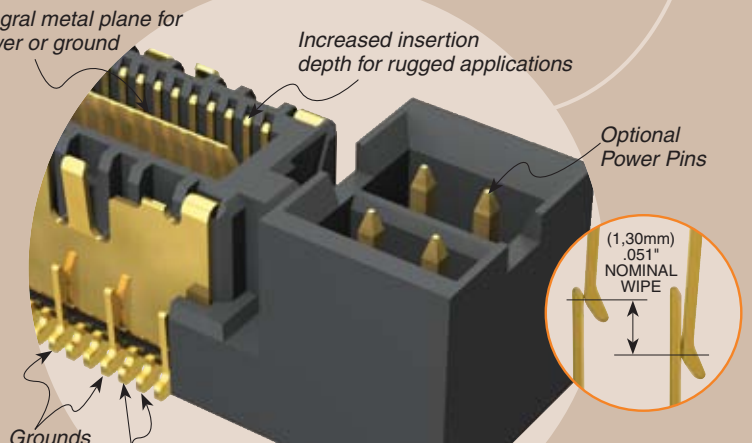


See SO Series for precision machined standoffs.

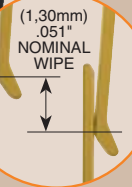
Integral metal plane for power or ground

Increased insertion depth for rugged applications

Optional Power Pins



Grounds to shield  
Signal Pairs Differential routing



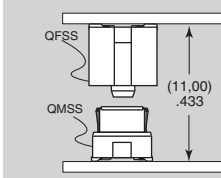
| 11mm Stack Height           | Based on ± 10% Impedance/Crosstalk |
|-----------------------------|------------------------------------|
| Single-Ended Signaling      | 2.3 GHz / 4.6 Gbps                 |
| Differential Pair Signaling | 1.4 GHz / 2.8 Gbps                 |

Performance data for other stack heights and complete test data available at [www.samtec.com?QMSS](http://www.samtec.com?QMSS) or contact [sig@samtec.com](mailto: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.

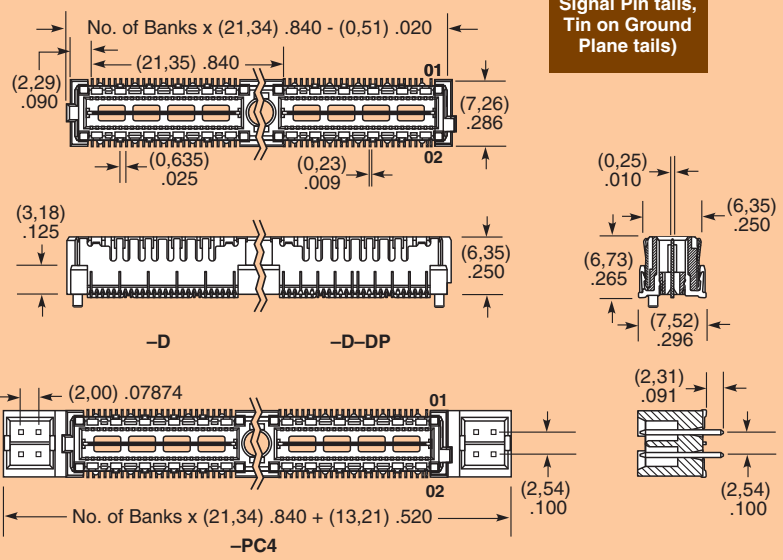
**QMSS** - **PINS PER ROW NO. OF PAIRS** - **06.75** - **PLATING OPTION** - **TYPE** - **A** - **OTHER OPTION**

**-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  
**(Gold flash on Signal Pin tails, Tin on 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.