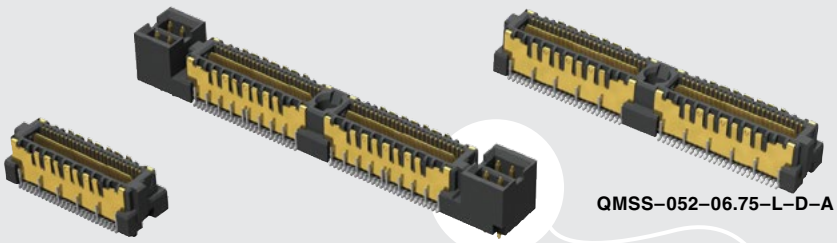
samtec

Q2™

(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 50 µ" (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

RECOGNITIONS

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

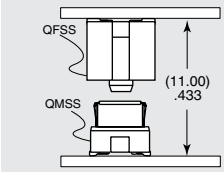
FILE NO. E111594

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
- 64 (-DP) and 104 pins per row

Contact Samtec.

APPLICATION



Notes:
Patented

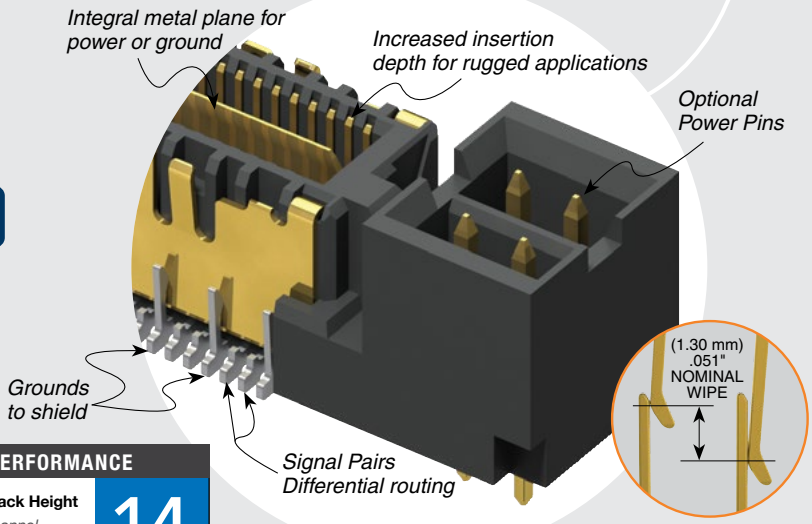
Some lengths, styles and options are non-standard, non-returnable.

Board Mates:
QFSS

Standoffs:
SO

RUGGEDIZED BY SAMTEC

- Increased insertion depth
- Integral guide post



HIGH-SPEED CHANNEL PERFORMANCE

QMSS-DP/QFSS-DP @ 11 mm Mated Stack Height

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

14 Gbps

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)

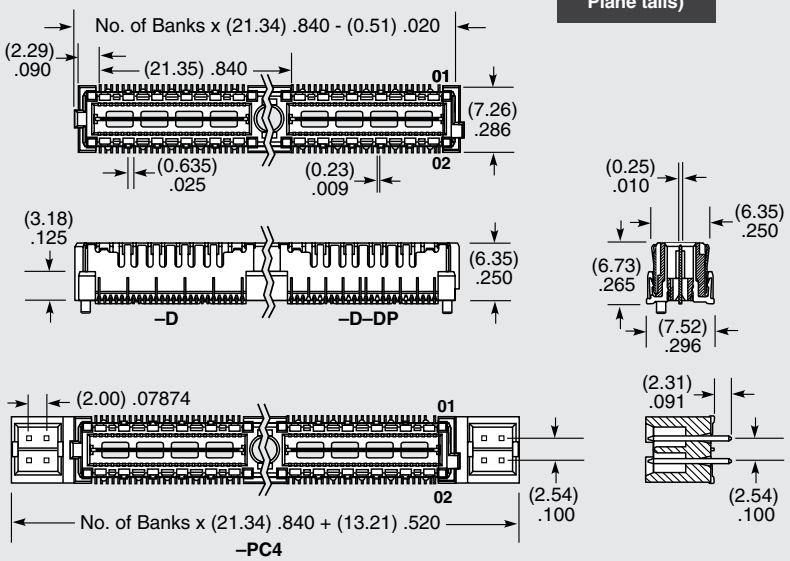
–L
= 10 µ" (0.25 µm) Gold on Signal Pins, Shield and Ground Plane
(Tin on Signal Pin tails, and Ground Plane tails)

–D
= Single-Ended

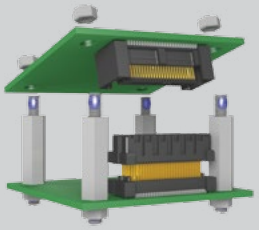
–D–DP
= Differential Pair

–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.