

(0,635mm) .025"

QMS SERIES



QMS-026-06.75-L-D-A



RUGGED GROUND PLANE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QMS

Insulator Material:

Liquid Crystal
Polymer

Terminal & Ground Plane Material:

Phosphor Bronze
Plating:

Au over 50µ" (1,27µm) Ni
(Tin on Ground Plane Tail)

Current Rating:

Contact: 1.6A @ 95°C
Ground Plane: 9.2A @ 95°C

Voltage Rating:
300 VAC mated with QFS

Operating Temp:
-55°C to +125°C

RoHS Compliant: Yes

Processing:

Lead-Free Solderable: Yes
SMT Lead Coplanarity:

(0,10mm) .004" max (026-052)
(0,15mm) .006" max (078-104)

Board Stacking:

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



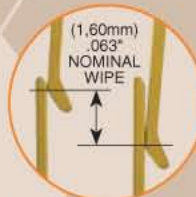
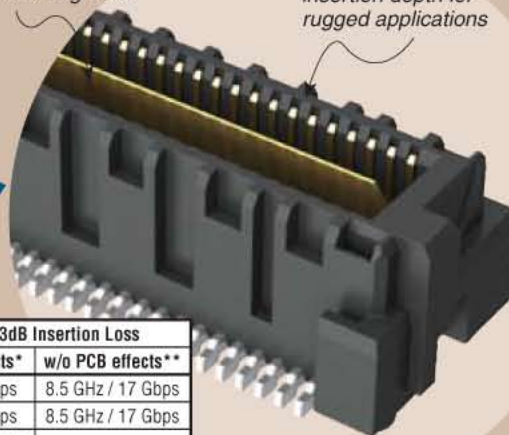
Board Mates:
QFS

Cable Mates:
Q2DA, 6QCD,
6QDP



Integral metal plane
for power or ground

Increased
insertion depth for
rugged applications



APPLICATION SPECIFIC

- Power & RF options
 - Edge Mount
 - Guide Posts
 - Without PCB Alignment Pins (05.75 and 06.75 only)
 - Hot Pluggable
- Call Samtec.

QMS/QFS 10mm Stack Height	Type	Rated @ 3dB Insertion Loss	
		with PCB effects*	w/o PCB effects**
Single-Ended Signaling	-D	9 GHz / 18 Gbps	8.5 GHz / 17 Gbps
Differential Pair Signaling	-D	8 GHz / 16 Gbps	8.5 GHz / 17 Gbps
Differential Pair Signaling	-DP	7.5 GHz / 15 Gbps	—

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

**Test board losses de-embedded from performance data.

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

QMS — **PINS PER ROW NO. OF PAIRS** — **LEAD STYLE** — **PLATING OPTION** — **TYPE** — **A** — **OTHER OPTION**

—026, —052,
—078, —104
(52 total pins per bank = -D)

—016, —032,
—048, —064
(16 pairs per bank = -D-DP)

Specify
LEAD
STYLE
from
chart

—L
(—05.75 and —06.75 lead style only)
= 10µ" (0,25µm) Gold
on Signal Pins and
Ground Plane
(Tin on Signal Pin tails,
and Ground Plane tails)

—D
= Single-Ended

—D-DP
= Differential Pair

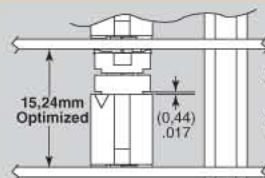
—K
= (5,50mm)
.217" DIA
Polyimide
film
Pick &
Place Pad

APPLICATIONS



See SO Series for precision machined standoffs.

APPLICATION



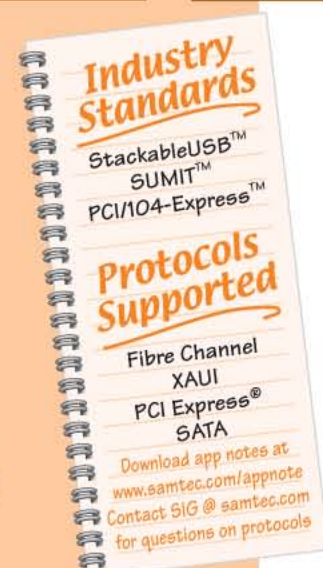
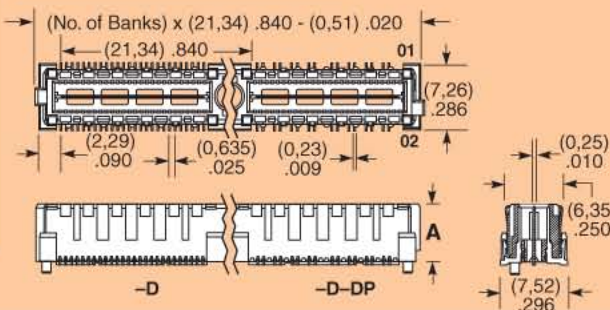
Requires Standoff
SO-1524-03-01-02-L
for 15,24mm board
spacing. Connectors
designed to not fully
seat when mated.

INDUSTRY STANDARD	INTERCONNECTS	
	TERMINAL	SOCKET
StackableUSB™	ASP-129637-01	ASP-129646-01
SUMIT™	ASP-129637-01	ASP-129646-01
PCI/104-Express™	ASP-129637-03	ASP-129646-03

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

MATED HEIGHT*			
LEAD STYLE	A	QFS LEAD STYLE	
		—04.25	—06.25
—05.75	(5,38) .212	10mm	12mm
—06.75	(6,35) .250	11mm	13mm
—09.75	(9,35) .368	14mm	16mm

*Processing conditions will affect mated height.



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

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