

Samtec

QSTRIP®

(0.635 mm) .025"

MIT SERIES

MIXED TECHNOLOGY HEADER

SPECIFICATIONS

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

Insulator Material:

Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

275 VAC

Max Cycles:

100

RoHS Compliant:

Yes

Board Mates:

MIS

Standoffs:

SO

RUGGEDIZED
BY SAMTEC

• Mixed
technology
footprint

HIGH-SPEED CHANNEL PERFORMANCE

MIT/MIS @ 5 mm Mated Stack Height

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

28
Gbps

Integral metal plane
for power or ground

76 signal lines
per linear inch

Choice of
mated heights

Polarized

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (019-057)

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



ALSO AVAILABLE (MOQ Required)

- 11 mm, 16 mm, 18.75 mm and 22 mm stack height
- 30 μ" (0.76 μm) Gold
- Differential Pair and "Partitionable" (combine differential & single-ended banks in same connector) available.
- 76, 95, 114 and 133 positions per row

MIT — NO. OF POSITIONS PER ROW — LEAD STYLE — PLATING OPTION — D — OTHER OPTION

-019, -038, -057
(38 total positions per bank)

Specify
LEAD
STYLE
from
chart

-F
= Gold Flash on Signal Pins and Ground Plane, Matte Tin on tails

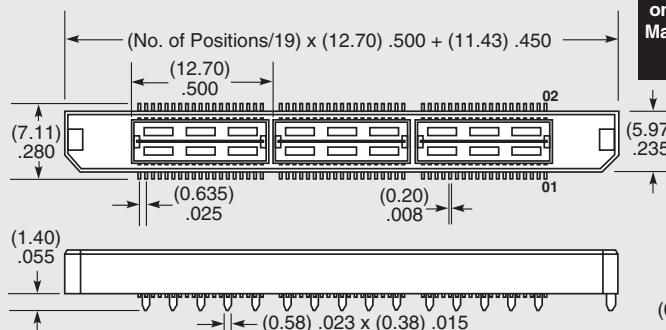
-L
= 10 μ" (0.25 μm) Gold on Signal Pins and Ground Plane, Matte Tin on tails

-C*
= Electro-Polished Selective 50 μ" (1.27 μm) min Au over 150 μ" (3.81 μm) Ni on Signal Pins in contact area, 10 μ" (0.25 μm) min Au over 50 μ" (1.27 μm) Ni on Ground Plane in contact area, Matte Tin over 50 μ" (1.27 μm) min Ni on all solder tails

-K
= (7.00 mm) .275" DIA Polyimide film Pick & Place Pad

-TR
= Tape & Reel

LEAD STYLE	A
-01	(4.27) .168
-02	(7.26) .286



*Note:
-C Plating passes 10 year MFG testing

MIS LEAD STYLE	MATED HEIGHT*	
	MIT LEAD STYLE -01	-02
-01	(5.00) .197	(8.00) .315

*Processing conditions will affect mated height. See SO Series for board space tolerances.

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

Note: Rugged through-hole ground plane soldered to board (requires paste-over-hole, not press-fit) for added retention to PCB.

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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Samtec:

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