

QRM8 SERIES

(0.80 mm) .0315"

SLIM BODY GROUND PLANE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QRM8

Insulator Material:
Black LCP

Terminal & Ground Plane Material:
Phosphor Bronze

Plating:
Au or Sn over 50 μm (1.27 μm) Ni

Current Rating:
Contact:
2.2 A per pin (2 pins powered)
Ground:
8.5 A per ground plane (1 ground plane powered)

Operating Temp Range:
-55 °C to +125 °C

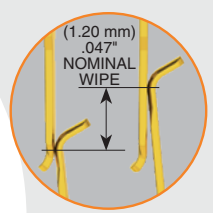
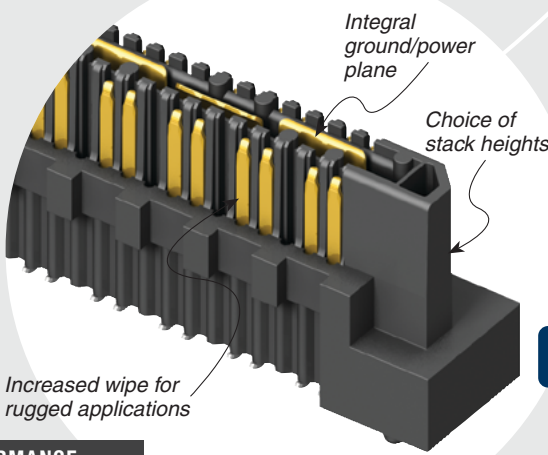
Voltage Rating:
215 VAC

RoHS Compliant:
Yes

Board Mates:
QRF8

Cable Mates:
EQRD

EDGE RATE CONTACT



HIGH-SPEED CHANNEL PERFORMANCE

QRM8-DP/QRF8-DP @ 10 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

ALSO AVAILABLE (MOQ Required)

- Other platings

- Edge Rate® contacts
- Increased contact wipe
- 10 year MFG
- Guide post option

PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
(0.10 mm) .004" max (018-026)
(0.15 mm) .006" max (036-078)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

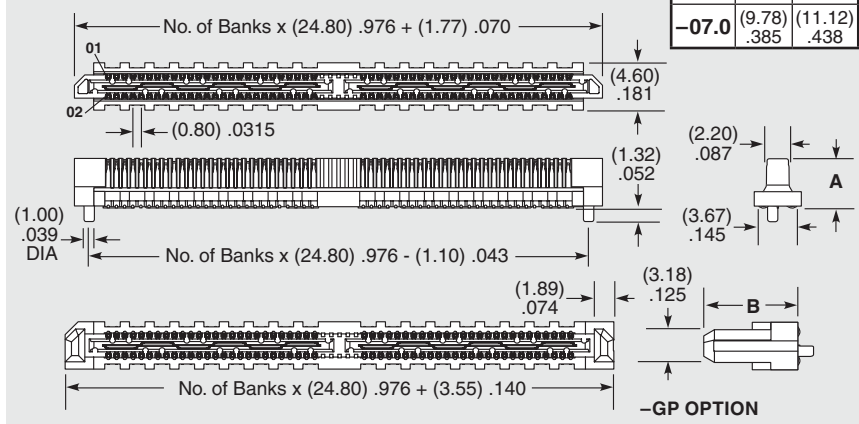
For complete scope of recognitions see www.samtec.com/quality

QRM8	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
	<p>-026, -052, -078 (52 total pins per bank = -D)</p> <p>-018, -036, -054 (18 pairs per bank = -D-DP)</p>	<p>-02.0 = 2 mm Body Height (Not available with -054 & -078 positions)</p> <p>-05.0 = 5 mm Body Height</p> <p>-07.0 = 7 mm Body Height</p>	<p>-L = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail</p>	<p>-D = Single-Ended</p> <p>-D-DP = Differential Pair</p>		<p>-GP = Guide Post (Requires -GP on mating connector)</p> <p>-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad</p> <p>-TR = Tape & Reel (-018, -026, -036, -052 only)</p>

MATED HEIGHT*

QRM8 LEAD STYLE	QRF8 LEAD STYLE	
	-05.0	-07.0
-02.0	(7.00) .276	(9.00) .354
-05.0	(10.00) .394	(12.00) .472
-07.0	(12.00) .472	(14.00) .551

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



Notes:
Patented

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



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[QRM8-052-02.0-L-D-A-GP](#) [QRM8-026-02.0-L-D-A-GP-K-TR](#) [QRM8-026-01-L-RA-GP](#) [QRM8-052-01-L-RA-GP](#)
[QRM8-026-05.0-L-D-A](#) [QRM8-026-02.0-L-D-A-GP](#) [QRM8-026-02.0-L-D-A](#) [QRM8-078-05.0-L-D-A-GP](#) [QRM8-052-02.0-L-D-A](#) [QRM8-026-05.0-L-D-A-GP](#) [QRM8-078-05.0-L-D-A](#) [QRM8-078-01-L-RA-GP](#) [QRM8-052-07.0-L-D-A-GP](#)
[QRM8-018-02.0-L-D-DP-A](#) [QRM8-052-05.0-L-D-A-GP-K](#) [QRM8-054-05.0-L-D-DP-A-K](#) [QRM8-026-01-S-RA-GP-TR](#)
[QRM8-036-07.0-L-D-DP-A](#) [QRM8-054-07.0-L-D-DP-A-GP](#) [QRM8-026-05.0-L-D-A-GP-K-TR](#) [QRM8-026-07.0-L-D-A-K](#)
[QRM8-052-02.0-L-D-A-K-TR](#) [QRM8-052-05.0-L-D-A-K-TR](#) [QRM8-018-05.0-S-D-DP-A-GP-K-TR](#) [QRM8-036-02.0-L-D-DP-A-K](#) [QRM8-036-05.0-L-D-DP-A-GP](#) [QRM8-052-02.0-S-D-A-K-TR](#) [QRM8-052-05.0-L-D-A-GP](#) [QRM8-078-05.0-L-D-A-GP-K](#) [QRM8-078-05.0-L-D-A-K](#) [QRM8-052-07.0-S-D-A-GP](#) [QRM8-036-05.0-S-D-DP-A](#) [QRM8-036-07.0-L-D-DP-A-K](#) [QRM8-052-05.0-L-D-A-K](#) [QRM8-052-05.0-S-D-A](#) [QRM8-078-07.0-L-D-A-GP](#) [QRM8-036-05.0-L-D-DP-A](#) [QRM8-018-05.0-L-D-DP-A](#) [QRM8-026-01-S-RA-GP](#) [QRM8-026-05.0-S-D-A](#) [QRM8-052-01-L-RA-GP-K](#) [QRM8-052-01-S-RA-GP-K-TR](#) [QRM8-052-07.0-L-D-A](#) [QRM8-018-02.0-L-D-DP-A-K](#) [QRM8-018-02.0-L-D-DP-A-K-TR](#) [QRM8-018-05.0-L-D-DP-A-GP](#) [QRM8-026-02.0-L-D-A-GP-K](#) [QRM8-026-05.0-S-D-A-GP](#) [QRM8-026-07.0-L-D-A-GP](#) [QRM8-052-07.0-L-D-A-K](#) [QRM8-018-02.0-L-D-DP-A-GP](#) [QRM8-026-02.0-L-D-A-K](#) [QRM8-018-05.0-L-D-DP-A-K](#) [QRM8-018-05.0-S-D-DP-A](#) [QRM8-018-07.0-L-D-DP-A](#) [QRM8-026-01-L-RA-GP-TR](#) [QRM8-026-05.0-L-D-A-K-TR](#) [QRM8-026-07.0-L-D-A-GP-K-TR](#) [QRM8-036-02.0-L-D-DP-A-GP](#) [QRM8-052-07.0-L-D-A-K-TR](#) [QRM8-054-05.0-L-D-DP-A](#) [QRM8-078-07.0-L-D-A-K](#) [QRM8-018-05.0-S-D-DP-A-K](#) [QRM8-018-05.0-S-D-DP-A-GP-K](#) [QRM8-018-05.0-S-D-DP-A-K-TR](#) [QRM8-026-02.0-S-D-A-GP](#) [QRM8-026-05.0-L-D-A-GP-K](#) [QRM8-036-02.0-L-D-DP-A-K-TR](#) [QRM8-052-02.0-S-D-A](#) [QRM8-052-02.0-S-D-A-GP-K-TR](#) [QRM8-018-05.0-L-D-DP-A-GP-K](#) [QRM8-018-05.0-L-D-DP-A-K-TR](#) [QRM8-026-07.0-S-D-A](#) [QRM8-052-05.0-L-D-A-GP-TR](#) [QRM8-078-07.0-L-D-A](#) [QRM8-078-07.0-L-D-A-GP-K](#) [QRM8-018-07.0-L-D-DP-A-GP](#) [QRM8-026-02.0-L-D-A-TR](#) [QRM8-026-05.0-L-D-A-K](#) [QRM8-036-07.0-L-D-DP-A-GP](#) [QRM8-052-02.0-L-D-A-GP-K-TR](#) [QRM8-026-07.0-L-D-A](#) [QRM8-052-01-L-RA-GP-K-TR](#) [QRM8-052-05.0-S-D-A-GP](#) [QRM8-052-07.0-L-D-A-GP-K-TR](#) [QRM8-054-07.0-L-D-DP-A-GP-K](#) [QRM8-078-01-S-RA-GP](#) [QRM8-078-05.0-S-D-A-GP](#) [QRM8-026-05.0-S-D-A-GP-K](#) [QRM8-052-05.0-S-D-A-GP-K-TR](#) [QRM8-026-07.0-L-D-A-TR](#) [QRM8-036-02.0-L-D-DP-A-TR](#) [QRM8-026-02.0-L-D-A-K-TR](#) [QRM8-026-05.0-L-D-A-GP-TR](#) [QRM8-026-07.0-L-D-A-K-TR](#) [QRM8-052-02.0-L-D-A-K](#) [QRM8-052-02.0-L-D-A-TR](#) [QRM8-052-05.0-L-D-A-GP-K-TR](#) [QRM8-026-02.0-S-D-A-GP-K-TR](#) [QRM8-052-05.0-S-D-A-GP-K](#)