

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

PROCESSING

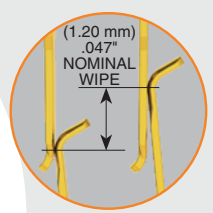
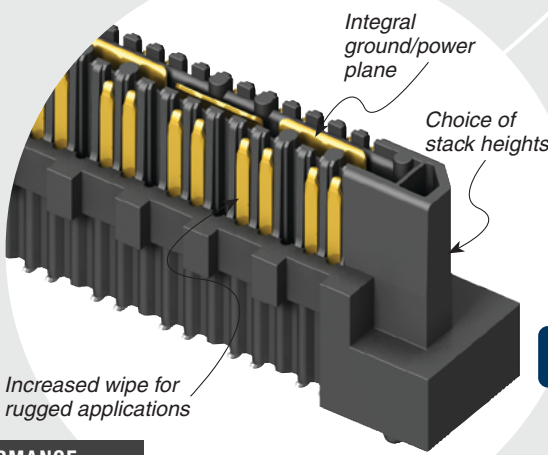
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0.10 mm) .004" max (018-026) (0.15 mm) .006" max (036-078)*
 *.004" stencil solution may be available; contact IPG@samtec.com

RECOGNITIONS

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

Board Mates: QRF8
Cable Mates: EQRD

EDGE RATE CONTACT



RUGGEDIZED BY SAMTEC

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

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)

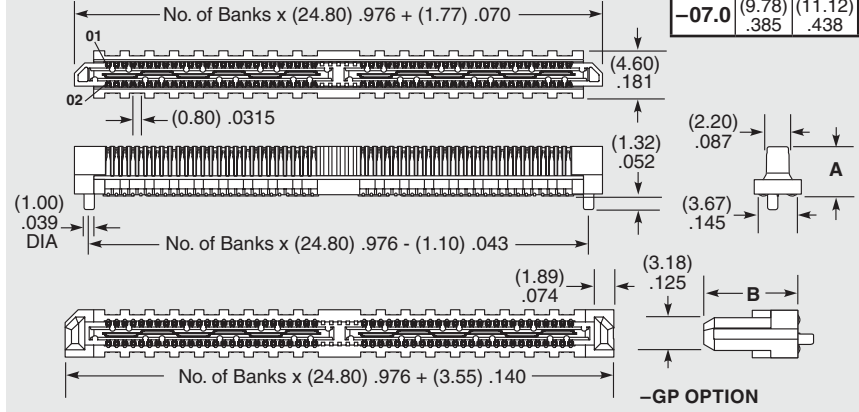
- Other platings

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

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.



POWER/SIGNAL APPLICATION

Compatible with UMPT/UMPS for flexible two-piece power/signal solutions

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.

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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