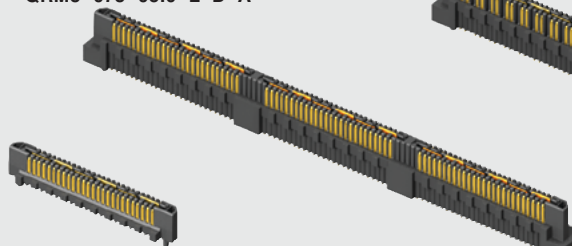


QRM8-078-05.0-L-D-A

QRM8-036-05.0-L-D-DP-A-K



QRM8-026-02.0-L-D-A

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

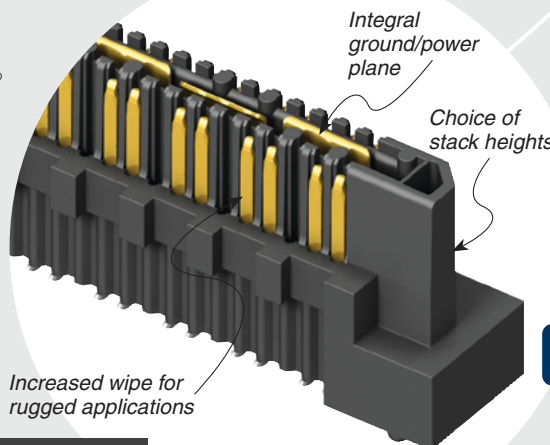
Board Mates:

QRF8

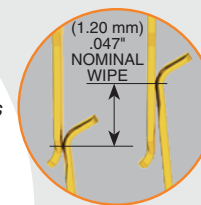
Cable Mates:

EQRD

EDGE RATE
CONTACT



Increased wipe for rugged applications



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

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

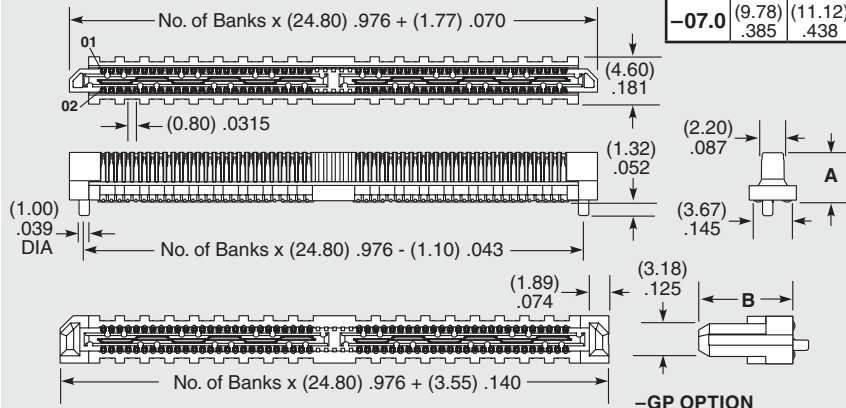
For complete scope of recognitions see www.samtec.com/quality



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>

QRM8 LEAD STYLE	MATED HEIGHT*	
	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.

POWER/SIGNAL APPLICATION



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

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