

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 μ" (1.27 μm) Ni

Current Rating:

Contact:
2.2 A per pin
(1 pin powered per row)

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:

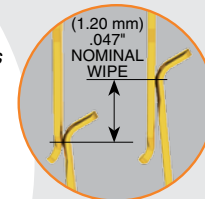
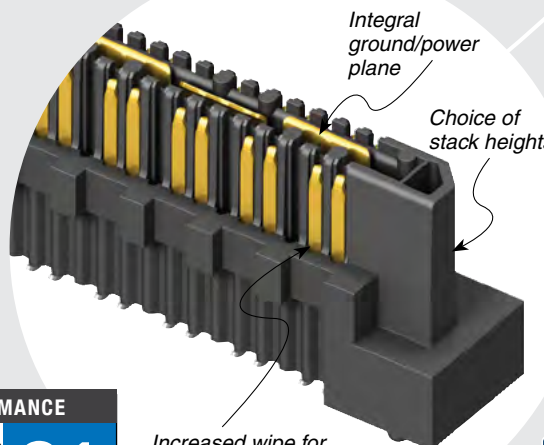
Yes

Board Mates:

QRF8

Cable Mates:

EQRD



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

31
Gbps



PROCESSING

Lead-Free Solderable:

Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (018-026)
(0.15 mm) .006" max (036-078)

RECOGNITIONS

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



PROTOCOLS

- 100 GbE

ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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

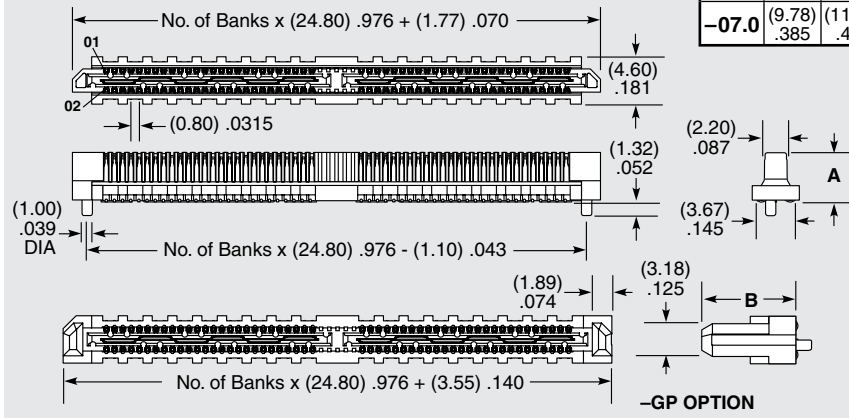
*Processing conditions will affect mated height. See SO Series for board space tolerances.

Note: Patented

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

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

LEAD STYLE	A	B
-02.0	(4.81) .189	(6.12) .241
-05.0	(7.81) .307	(9.12) .359
-07.0	(9.78) .385	(11.12) .438



RUGGEDIZED BY SAMTEC

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