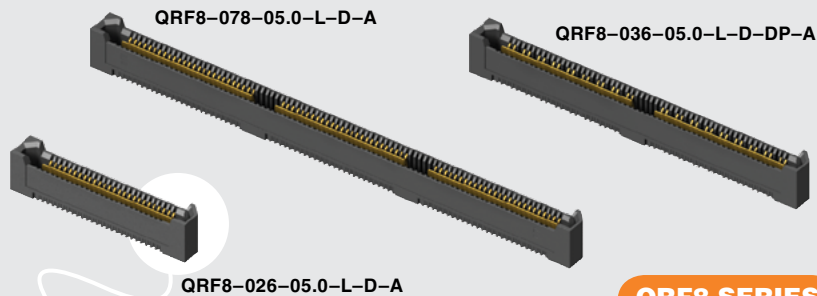


(0.80 mm) .0315"



QRF8 SERIES

SLIM BODY GROUND PLANE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QRF8

Insulator Material:

Black LCP

Contact Material:

BeCu

Ground Plane Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating:

Contact:

2.2 A per pin

(1 pin powered per row)

Ground Plane:

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:

QRM8

Cable Mates:

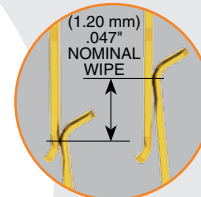
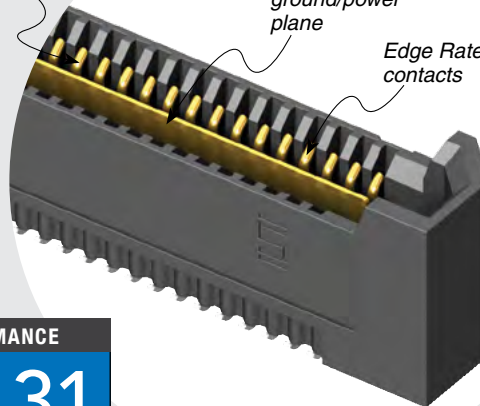
EQRD



Increased wipe
for rugged applications

Integral
ground/power
plane

Edge Rate®
contacts



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*

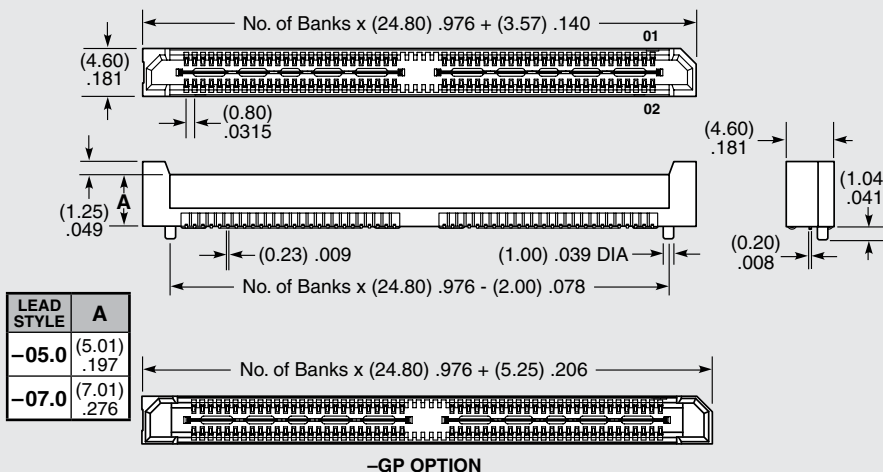
QRF8 LEAD STYLE	QRM8 LEAD STYLE		
	-02.0	-05.0	-07.0
-05.0	(7.00) .276	(10.00) .394	(12.00) .472
-07.0	(9.00) .354	(12.00) .472	(14.00) .551

*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.

QRF8	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTION
	-026, -052, -078 (52 total pins per bank = -D)	-05.0 = 5 mm Body Height	-L = 10 μ " (0.25 μ m) 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)	-07.0 = 7 mm Body Height		-D-DP = Differential Pair		-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad
						-TR = Tape & Reel (-018, -026, -036, -052 only)



RUGGEDIZED
BY SAMTEC

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