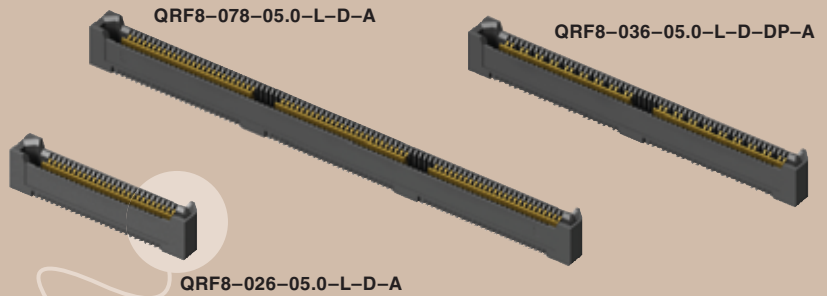




(0,80mm) .0315"

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 50µ" (1,27µm) Ni

Current Rating:

2.0A @ 80°C ambient

Operating Temp Range:

-55°C to + 125°C

Voltage Rating:

215 VAC

RoHS Compliant:

Yes

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max (026)

(0,15mm) .006" max (052-078)

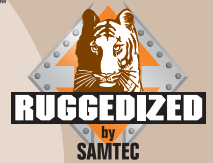
Board Mates:
QRM8



Increased wipe for rugged applications

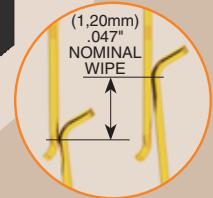
Integral ground/power plane

Edge Rate™ contacts



Slim footprint

Choice of stack heights



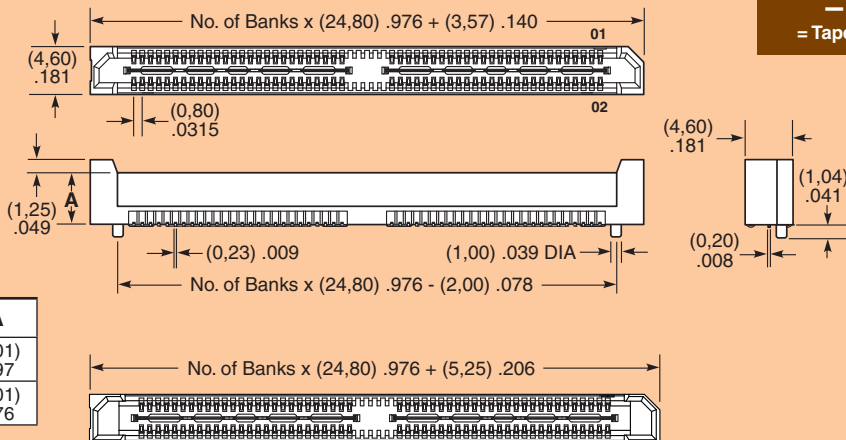
7mm Stack Height	Type	Rated @ -3dB Insertion Loss
Single-Ended Signaling	-D	9.5 GHz / 19 Gbps
Differential Pair Signaling	-D	8.5 GHz / 17 Gbps

Performance data for other stack heights and complete test data available at www.samtec.com?QRF8 or contact sig@samtec.com

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.

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 = 5mm Body Height	-L = 10µ" (0,25µm) 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 = 7mm Body Height		-D-DP = Differential Pair		-K = (5,00mm) .197" DIA Polyimide Film Pick & Place Pad
						-TR = Tape & Reel



LEAD STYLE	A
-05.0	(5,01) .197
-07.0	(7,01) .276

Note: Other Gold plating options available. Contact Samtec.

Note: 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