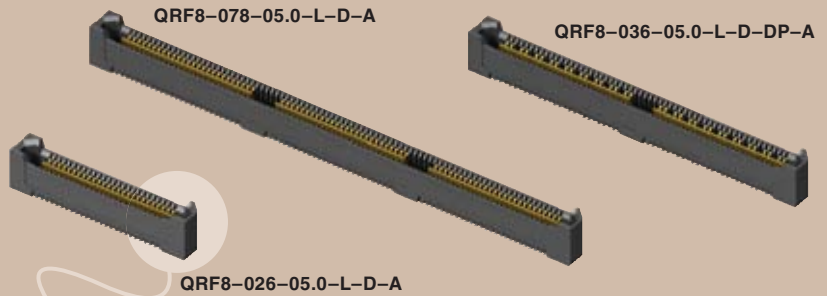




(0,80mm) .0315"

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

(6 contacts powered)

Operating Temp Range: -55°C to +125°C

Voltage Rating: 215 VAC

RoHS Compliant: Yes

Processing: Lead-Free Solderable: Yes

SMT Lead Coplanarity: (0,10mm) .004" max (018-026)

(0,15mm) .006" max (036-078)

Board Mates: QRM8, EQRD



Increased wipe for rugged applications

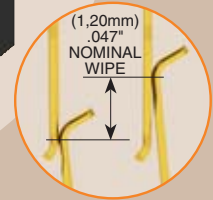
Integral ground/power plane

Edge Rate™ contacts



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

Slim footprint



QRM8/QRF8 7mm Stack Height	Type	Rated @ 3dB Insertion Loss	
		with PCB effects*	w/o PCB effects**
Single-Ended Signaling	-D	9.5 GHz / 19 Gbps	8.5 GHz / 17 Gbps
Differential Pair Signaling	-D	8.5 GHz / 17 Gbps	10 GHz / 20 Gbps
Differential Pair Signaling	-DP	9 GHz / 18 Gbps	—

*Performance data includes effects of a non-optimized PCB.
**Test board losses de-embedded from performance data.

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

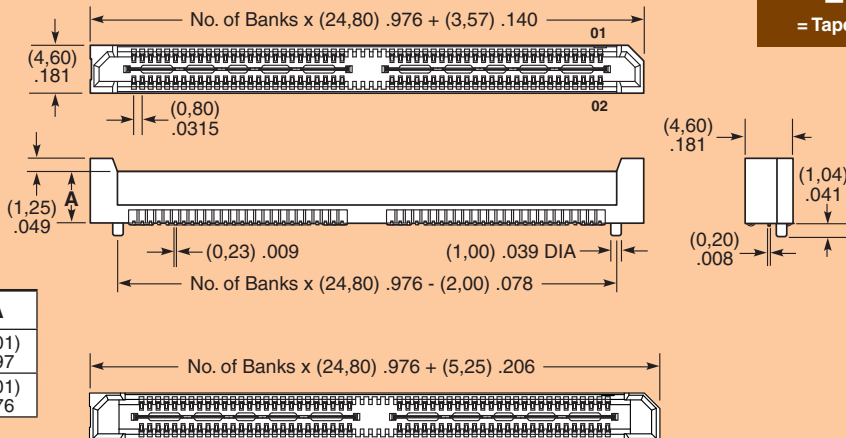
Choice of stack heights

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

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.

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