

**QRF8-RA SERIES**

**(0.80 mm) .0315"**

# RIGHT-ANGLE GROUND PLANE SOCKET

## SPECIFICATIONS

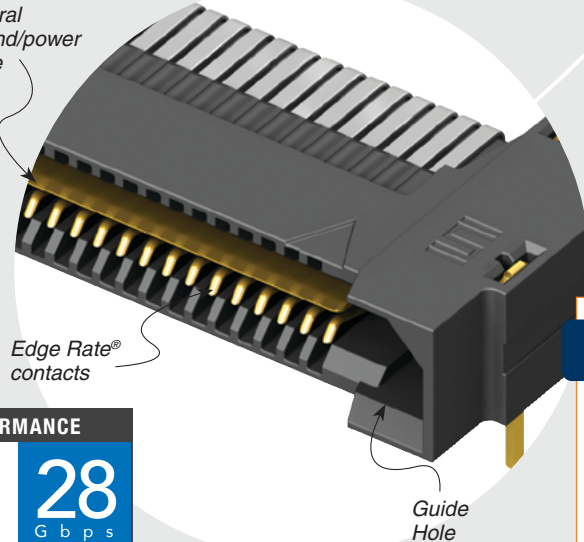
For complete specifications and recommended PCB layouts see [www.samtec.com?QRF8-RA](http://www.samtec.com?QRF8-RA)

- Insulator Material:**  
Black LCP
- Contact Material:**  
BeCu
- Ground Plane Material:**  
Phosphor Bronze
- Plating:**  
Au or Sn over  
50 μm (1.27 μm) Ni
- Current Rating (QRF8-RA/QRM8):**  
Contact:  
2.2 A per pin  
(2 pins powered)
- Ground Plane:**  
8.6 A per ground plane  
(1 ground plane powered)
- Operating Temp Range:**  
-55 °C to +125 °C
- Voltage Rating:**  
230 VAC / 325 VDC
- RoHS Compliant:**  
Yes

**Board Mates:**  
QRM8 (-GP required)



Integral ground/power plane



**RUGGEDIZED**  
BY SAMTEC

- Edge Rate® contacts
- Increased contact wipe
- Integral guide post

## HIGH-SPEED CHANNEL PERFORMANCE

**QRM8-RA/QRF8-RA**

Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com)  
or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**28**  
Gbps

## PROCESSING

- Lead-Free Solderable:**  
Yes
- SMT Lead Coplanarity:**  
(0.10 mm) .004" max (026-052)  
(0.15 mm) .006" max (078)\*  
\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

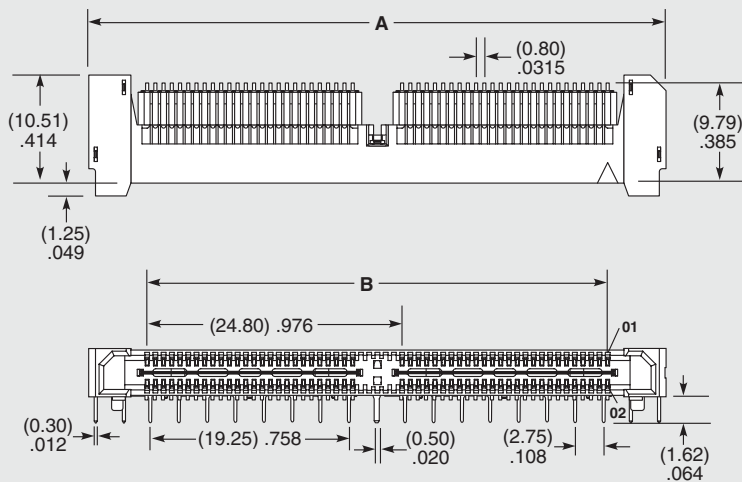
- Other platings

**Notes:**  
Patented

For -GP (Guide Post option) to -GP (Guide Post option) mating.

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

<b>QRF8</b>	<b>POSITIONS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>RA</b>	<b>GP</b>	<b>OPTION</b>
	<b>-026, -052, -078</b> (52 total positions per bank)		<b>-L</b> = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail		<b>-GP</b> = Guide Post (Requires -GP on mating connector)	<b>-K</b> = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad (-052 only)
						<b>-TR</b> = Tape & Reel (-026, -052 only)



POSITIONS PER ROW	A	B
<b>-026</b>	(31.35) 1.234	(20.00) .787
<b>-052</b>	(56.15) 2.211	(44.80) 1.764
<b>-078</b>	(80.95) 3.187	(69.60) 2.740

Due to technical progress, all designs, specifications and components are subject to change without notice.