

**QRM8-RA SERIES**

**(0.80 mm) .0315"**

# RIGHT-ANGLE GROUND PLANE HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?QRM8-RA](http://www.samtec.com?QRM8-RA)

**Insulator Material:**

Black LCP  
Terminal & Ground

**Plane Material:**

Phosphor Bronze

**Plating:**

Au or Sn over

50 μm (1.27 μm) Ni

**Operating Temp Range:**

-55 °C to +125 °C

**Voltage Rating:**

230 VAC/325 VDC

**RoHS Compliant:**

Yes

**Board Mates:**

QRF8 (-GP required)



Edge Rate® contacts

Integral ground/power plane

**RUGGEDIZED**  
BY SAMTEC

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

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 [SI@samtec.com](mailto:SI@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))

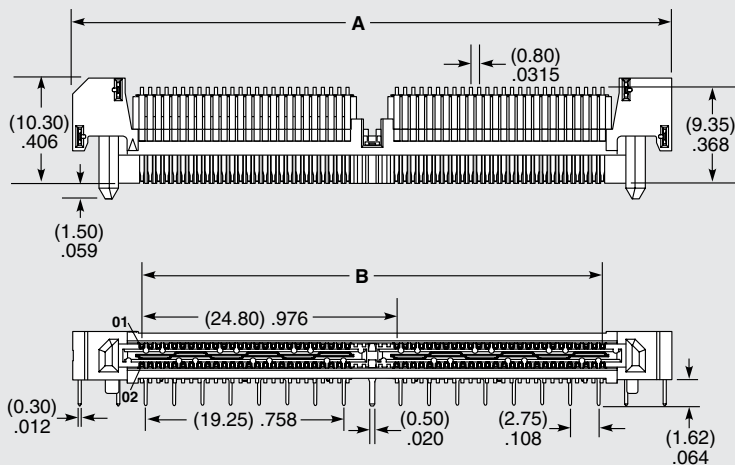
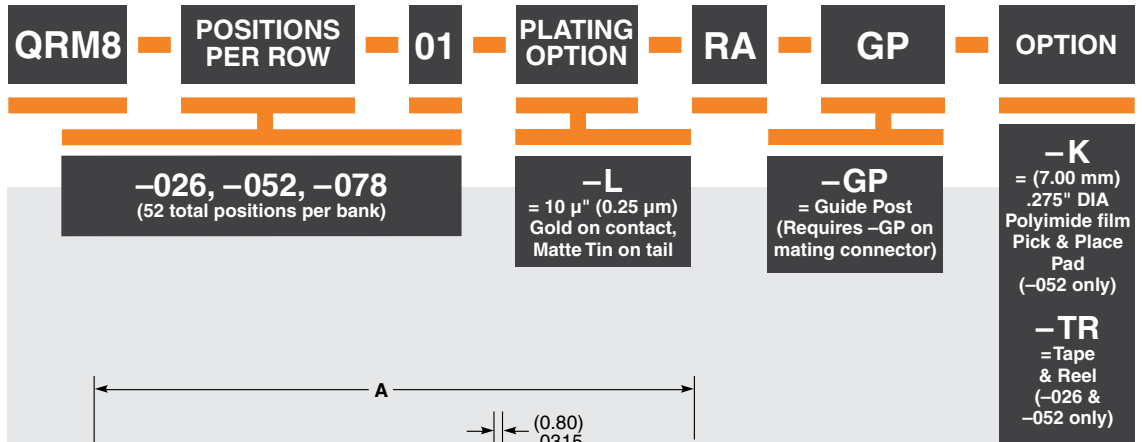
## RECOGNITIONS

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



## ALSO AVAILABLE (MOQ Required)

- Other platings



POSITIONS PER ROW	A	B
-026	(33.46) 1.317	(20.00) .787
-052	(58.26) 2.294	(44.80) 1.764
-078	(83.06) 3.270	(69.60) 2.740

**Notes:**  
Patented

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

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](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.