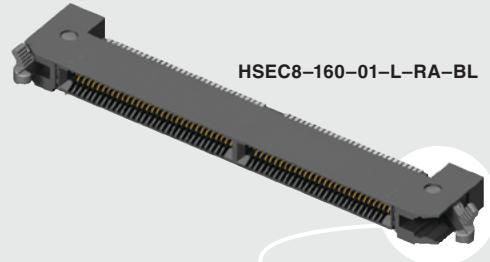




(0.80 mm) .0315"



HSEC8-120-01-L-RA

HSEC8-RA SERIES

# RIGHT-ANGLE EDGE RATE® CARD SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com/HSEC8-RA](http://www.samtec.com/HSEC8-RA)

**Insulator Material:** Black Liquid Crystal Polymer

**Contact:** BeCu

**Plating:** Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

**Current Rating:** 2.6 A per pin

(2 adjacent pins powered)

**Operating Temp:** -55 °C to +125 °C

**RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:** (0.10 mm) .004" max (10-60)

## RECOGNITIONS

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



FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

- Other platings

### Notes:

While optimized for 50  $\Omega$  applications, this connector with alternative signal/ground patterns may also perform well in certain 75  $\Omega$  applications.

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

**Card Mates:**  
(1.60 mm) .062" thick card,  
HSC8

**Cable Mates:**  
ECDP

**EDGE RATE**  
CONTACT



Rugged  
Edge Rate®  
contacts  
designed for  
Signal Integrity

## HIGH-SPEED CHANNEL PERFORMANCE

HSEC8-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)

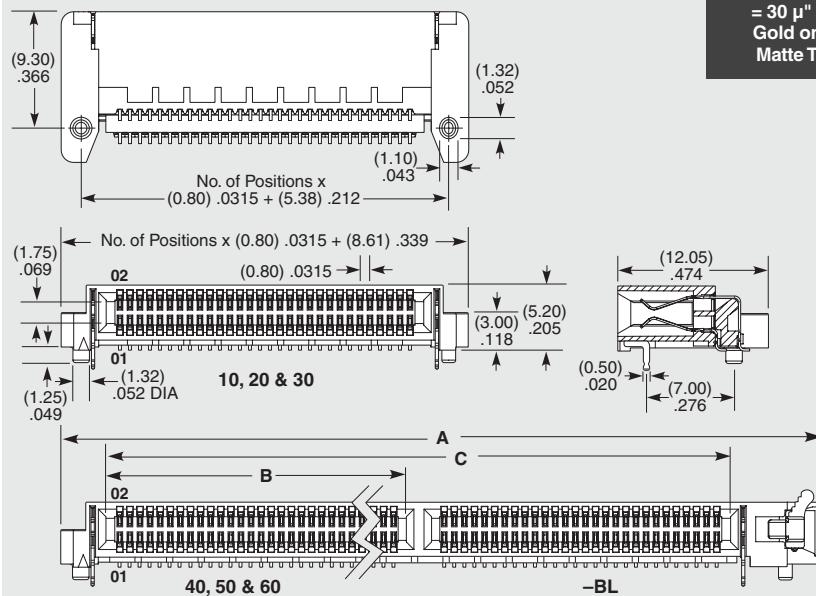
**28**  
Gbps

Accepts (1.60 mm) .062"  
PCB thicknesses

**RUGGEDIZED**  
BY SAMTEC

- Board lock option

HSEC8	1	POSITIONS PER ROW	CARD THICKNESS	PLATING OPTION	RA	OTHER OPTION
		09, 10, 13, 20, 25, 30, 40, 49, 50, 60				
			-01 = (1.60 mm) .062" thick card			
				-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail		-BL = Board Locks (09, 13, 25, 40, 49, 50, 60 only)
				-S = 30 $\mu$ " (0.76 $\mu$ m) Gold on contact, Matte Tin on tail		-L2 = ECDP Latching (09, 13, 25, 49 only) (For use with ECDP)
						-TR = Tape & Reel Packaging (10 thru 60 positions only)



POSITIONS PER ROW	A	B	C
40	(43.80) 1.724	(18.90) .744	(36.60) 1.441
50	(51.80) 2.039	(22.90) .902	(44.60) 1.756
60	(59.80) 2.354	(26.90) 1.059	(52.60) 2.071
40-BL	(51.30) 2.020	(18.90) .744	(36.60) 1.441
50-BL	(59.30) 2.335	(22.90) .902	(44.60) 1.756
60-BL	(67.30) 2.650	(26.90) 1.059	(52.60) 2.071

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

**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.