



(0.80 mm) .0315"

HSEC8-120-01-L-RA

HSEC8-160-01-L-RA-BL

HSEC8-RA SERIES

RIGHT-ANGLE EDGE RATE® CARD SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?HSEC8-RA

Insulator Material:
Black Liquid Crystal Polymer
Contact:
BeCu
Plating:
Au or Sn over 50 μm (1.27 μm) 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



ALSO AVAILABLE (MOQ Required)

- Other platings

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

Cable Mates:
ECDP

EDGE RATE® CONTACT

Rugged Edge Rate® contacts designed for Signal Integrity



Optional Board Locks

HIGH-SPEED CHANNEL PERFORMANCE

HSEC8-RA

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

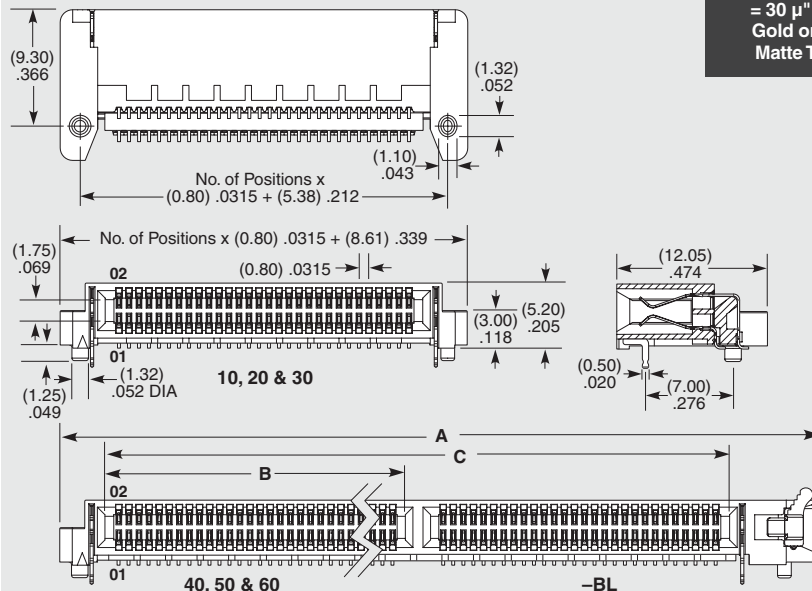
28
Gbps

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 μm (0.25 μm) Gold on contact, Matte Tin on tail -S = 30 μm (0.76 μm) Gold on contact, Matte Tin on tail	-BL = Board Locks (09, 13, 25, 40, 49, 50, 60 only) -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

Notes:
While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications.

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

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.