

(0,80 mm) .0315"

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 50µ" (1,27 µm) Ni

Current Rating:

1.9A per contact @ 30°C Temperature Rise (See website for details)

Operating Temp:

-55°C to +125°C

Card Insertion Depth:

(3,15 mm) .125" nominal

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (10-60)

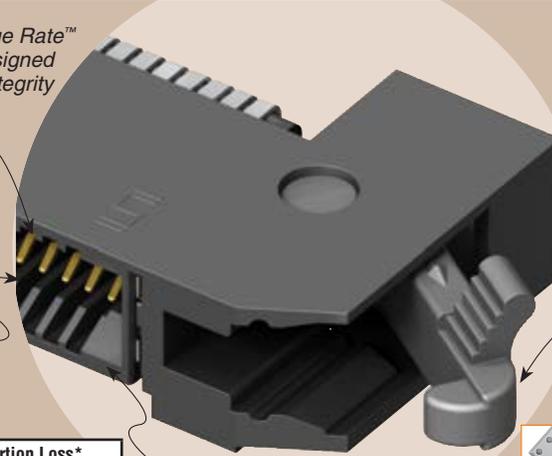


Mates with:
(1,60 mm) .062" thick cards,
ECDP, EEDP, HSC8



Rugged Edge Rate™ contacts designed for Signal Integrity

Accepts (1,60 mm) .062" PCB thicknesses



Optional Board Locks

Up to 60 Positions per row



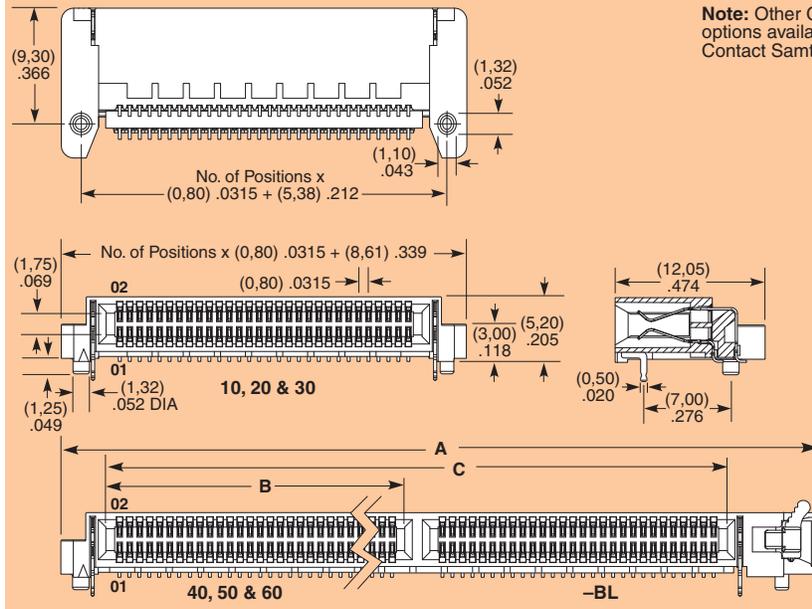
• Board lock option

HSEC8-RA	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	6.5 GHz / 13 Gbps
Differential Pair Signaling	6.5 GHz / 13 Gbps

*Performance data includes effects of a non-optimized PCB.
Complete test data available at www.samtec.com?HSEC8-RA or contact sig@samtec.com

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 = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail		-BL = Board Locks (40, 50, 60 only) -L2 = ECDP Latching (09, 13, 25, 49 only (For use with ECDP)) -TR = Tape & Reel Packaging (10 thru 60 positions only)

Note: Other Gold plating options available. Contact Samtec.



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

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

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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