

HSEC8-160-01-S-DV-A

# 0,80mm HI-SPEED SOCKET HSEC8 SERIES

## SPECIFICATIONS

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

### Insulator Material:

Black Liquid  
Crystal Polymer

### Contact:

BeCu

### Plating:

Au or Sn over 50µ" (1,27µm) Ni

### Current Rating:

3.1A @ 30°C Temperature Rise

### Operating Temp:

-55°C to +125°C

### Card Insertion Depth:

(3,15mm) .125" nominal

### RoHS Compliant:

Yes

### Processing:

#### Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

#### Lead-Free Solderable:

Yes

#### SMT Lead Coplanarity:

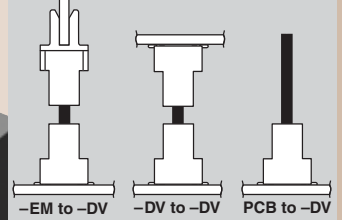
(0,10mm) .004" max (10-60)

Mates with:  
1,6mm thick cards,  
EEDP, HSC8, HSF8

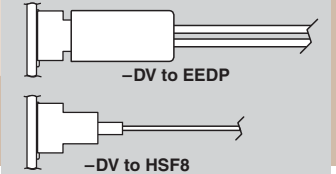


0,80mm HSEC8	Rated @ -3dB Insertion Loss
7,98mm Stack Height	
Single-Ended Signaling	8 GHz / 16 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps

## BOARD-TO-BOARD APPLICATIONS

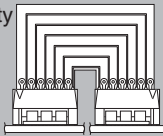
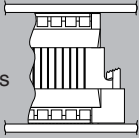


## HIGH SPEED CABLE & FLEX APPLICATIONS



## STANDARD & CUSTOM CARDS AVAILABLE

- Standard high speed interface cards for 19mm, 25mm & 30mm mated heights, single-ended & differential applications. See HSC8 Series.
- Cards for use with board locks
- Custom cards for low-cost stack height customization
- Samtec supplied card layout/artwork to make your own cards
- Specialty card shapes



HSEC8 - 1 POSITIONS PER ROW - CARD THICKNESS - PLATING OPTION - DV - A - OTHER OPTION

10, 13, 20, 25, 30, 37,  
40, 49, 50, 60

-01  
= (1,60mm) .062"  
thick card

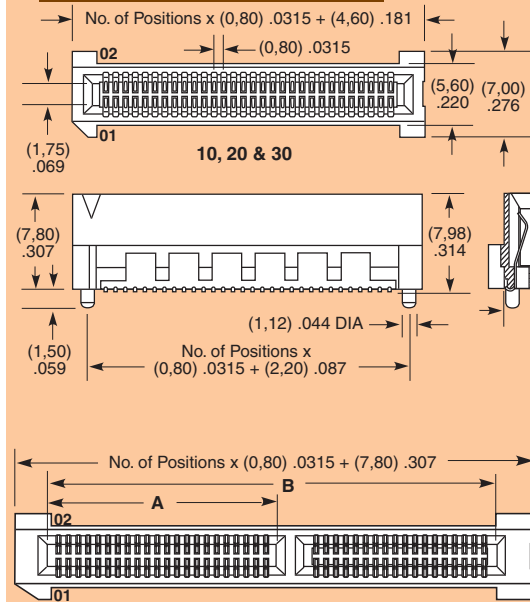
-S  
= 30µ" (0,76µm) Gold on contact,  
Matte Tin on tail

-K  
= (5,50mm)  
.217" DIA  
Polyimide  
Film  
Pick &  
Place Pad

-TR  
= Tape &  
Reel  
Packaging

-L  
= Latching  
Option  
(For use  
with EEDP.)  
(13, 25, 37,  
49 only)

-BL  
= Board  
Locks  
(40, 50,  
60 only)



POSITIONS PER ROW	A	B
13*	(6,10) .240	(15,00) .591
25*	(6,10) .240	(24,60) .969
37*	(18,10) .713	(34,20) 1.346
40	(18,90) .744	(36,60) 1.441
49*	(22,90) .902	(43,80) 1.724
50	(22,90) .902	(44,60) 1.756
60	(26,90) 1.059	(52,60) 2.071

Positions where no dimensions are given do not have keying feature.

\*Mates with EEDP Series.

CONNECTOR	CABLE*
HSEC8-113	EEDP-08
HSEC8-125	EEDP-16
HSEC8-137	EEDP-24
HSEC8-149	EEDP-32

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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