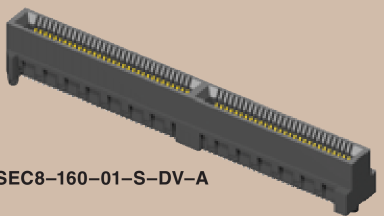
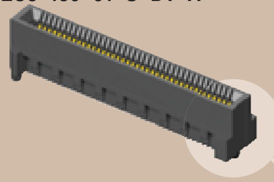
F-209-2

samtec


HSEC8–160–01–S–DV–A


HSEC8–130–01–S–DV–A

0,80mm HI-SPEED SOCKET HSEC8 SERIES

SPECIFICATIONS

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

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

FILE NO. E111594

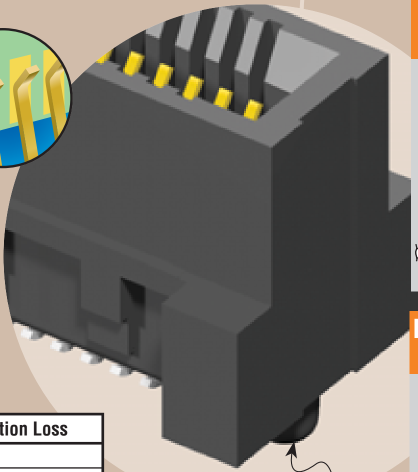
Processing:

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

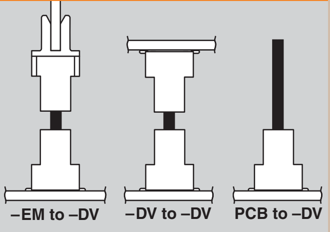
EDGE RATE™ CONTACT

Final Inch® Break Out Region Performance Certified finalinch.com

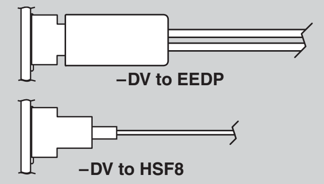


0,80mm HSEC8	Rated @ -3dB Insertion Loss
7,98mm Stack Height	
Single-Ended Signaling	8 GHz / 16 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps
For complete test data go to www.samtec.com?HSEC8 or contact sig@samtec.com	

BOARD-TO-BOARD APPLICATIONS

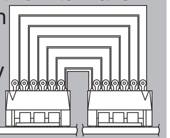


HIGH SPEED CABLE & FLEX APPLICATIONS

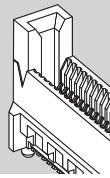


STANDARD & CUSTOM CARDS AVAILABLE

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



APPLICATION SPECIFIC OPTION



Guide Rails. Call Samtec.

Note: Other Gold plating options available. Contact Samtec.

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

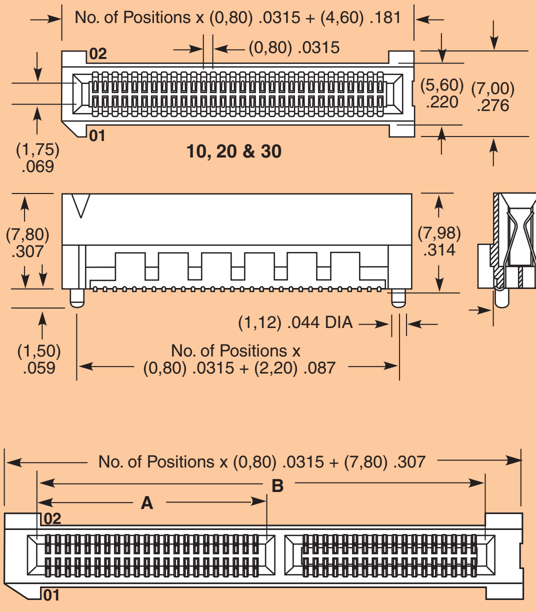
HSEC8 – 1 – POSITIONS PER ROW – CARD THICKNESS – PLATING OPTION – DV – A – OTHER OPTION

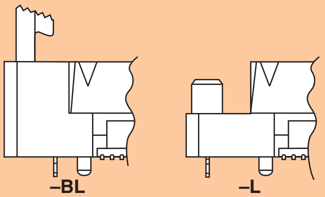
POSITIONS PER ROW
10, 13, 20, 25, 30, 37, 40, 49, 50, 60

CARD THICKNESS
–01 = (1,60mm) .062" thick card

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

OTHER OPTION
–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

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

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