

(0.80 mm) .0315"

HSEC8-116-01-L-DP-A-K

HSEC8-108-01-L-DP-A-K

HSEC8-132-01-L-DP-A-WT-K

HSEC8-DP SERIES

DIFFERENTIAL PAIR EDGE CARD SOCKET

SPECIFICATIONS

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

Insulator Material:
Black Liquid Crystal Polymer

Contact:
Copper Alloy

Plating:
Au or Sn over
50 μ " (1.27 μ m) Ni

Operating Temp:
Testing Now!

RoHS Compliant:
Yes

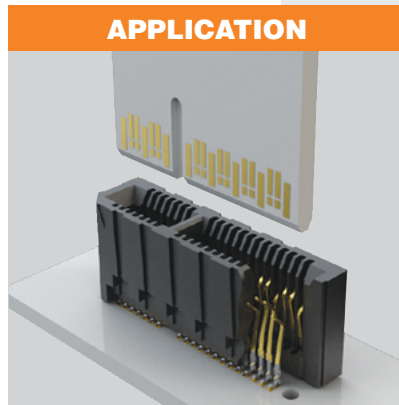
PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
(0.10 mm) .004" max

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

APPLICATION



High-Speed
Edge Rate®
Contacts

Designed for
high-speed
differential pair
applications

HIGH-SPEED CHANNEL PERFORMANCE

HSEC8-DP

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

PAM4

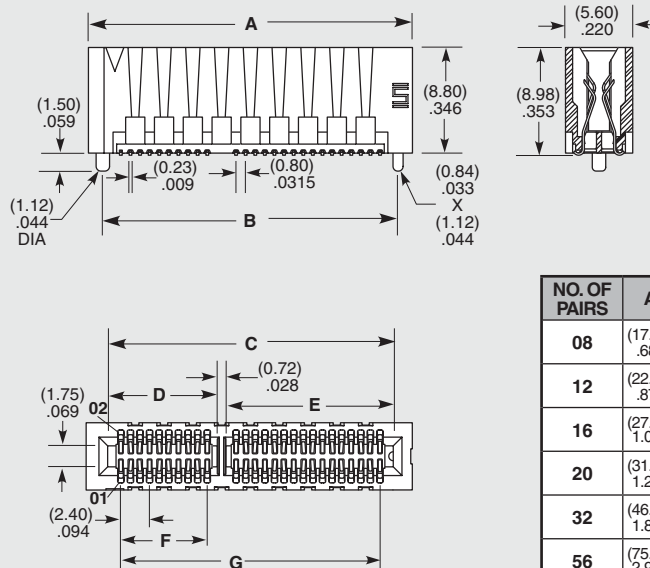
56
Gbps

Optional
weld tab
available

ALSO AVAILABLE (MOQ Required)

- Other platings
- Other pin counts

HSEC8	1	NO. OF PAIRS	01	PLATING OPTION	DP	A	OPTION	K
08, 12, 16, 20, 32, 56 (Total Pairs)			-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail		(Leave blank for no weld tab) -WT = Weld Tab		-K = (6.25 mm) .246" DIA Polyimide Film Pick & Place Pad	



HSEC8-16-01-L-DP-A SHOWN

NO. OF PAIRS	A	B	C	D	E	F	G
08	(17.40) .685	(15.00) .591	(14.20) .559	(4.34) .171	(9.14) .360	(2.40) .094	(12.00) .472
12	(22.20) .874	(19.80) .780	(19.00) .748	(6.74) .265	(11.54) .454	(4.80) .189	(16.80) .661
16	(27.00) 1.063	(24.60) .969	(23.80) .937	(9.14) .360	(13.94) .549	(7.20) .283	(21.60) .850
20	(31.80) 1.252	(29.40) 1.157	(28.60) 1.126	(11.54) .454	(16.34) .643	(9.60) .378	(26.40) 1.039
32	(46.20) 1.819	(43.80) 1.724	(43.00) 1.693	(18.74) .738	(23.54) .927	(16.80) .661	(40.80) 1.606
56	(75.00) 2.953	(72.60) 2.858	(71.80) 2.827	(33.14) 1.305	(37.94) 1.494	(31.20) 1.228	(69.60) 2.740

Note:
Some sizes, styles and
options are nonstandard,
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.
Components must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.