



(0.80 mm) .0315"

HSEC8-120-01-S-PV-2-1

HSEC8-140-01-L-PV-4-1-WT

HSEC8-PV SERIES

# POWER/HIGH-SPEED EDGE CARD COMBO

## SPECIFICATIONS

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

### Insulator Material:

Black Liquid Crystal Polymer

### Signal Contact:

BeCu

### Power Contact:

Phosphor Bronze

### Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

### Operating Temp:

-55 °C to +125 °C

### Current Rating:

Signal Pin: 3.2 A per pin

(2 pins powered)

Power Pin: 27.5 A per pin

(2 pins powered)

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

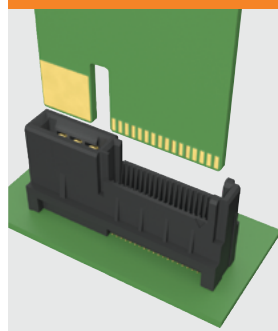
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

## APPLICATION



### Mates with:

(1.60 mm) .062" thick card

Rated up to  
60 A per  
power bank

1 or 2 banks,  
2 or 4 positions

EDGE  
RATE  
CONTACT

Mates with  
(1.60 mm)  
.062" card

## HIGH-SPEED CHANNEL PERFORMANCE

HSEC8-PV

Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com)  
or contact [SIG@samtec.com](mailto:SIG@samtec.com)

28  
Gbps

HSEC8 - 1 - SIG POS - CARD THICKNESS - PLATING OPTION - PV - PWR POS - POWER TAIL - OTHER OPTION

20, 30, 40  
(Signal positions per row)

-01  
= (1.60 mm) .062"  
Thick Card

-L  
= 10 μ" (0.25 μm)  
Gold on contact,  
Matte Tin on tail

-2, -4  
(Total, 2 per  
power bank)

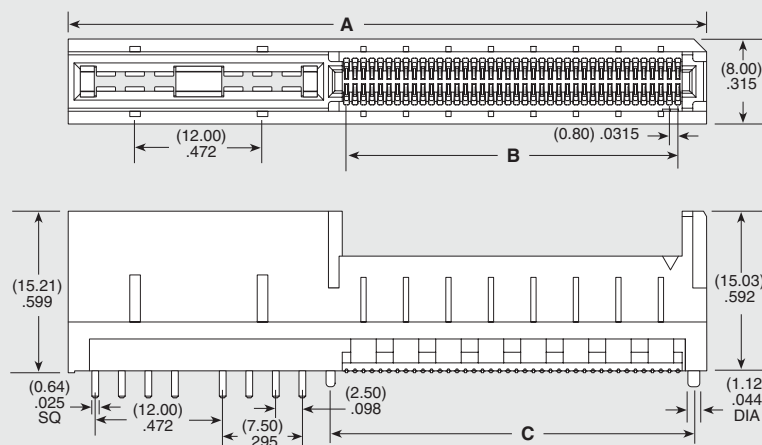
1  
= Use with  
(1.60 mm)  
.062"  
Thick PCB

-WT  
= Weld  
Tab

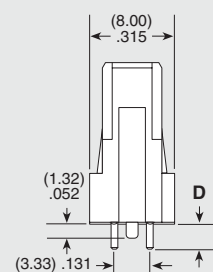
-S  
= 30 μ" (0.76 μm)  
Gold on contact,  
Matte Tin on tail

-2  
= Use with  
(2.36 mm)  
.093"  
Thick PCB

SIGNAL POSITIONS	POWER POSITIONS					
	A (-2)	B (-2)	C (-2)	A (-4)	B (-4)	C (-4)
-20	(32.10) 1.264	(15.20) .598	(18.20) .717	(44.10) 1.736	(15.20) .598	(18.20) .717
-30	(40.10) 1.579	(23.20) .913	(26.20) 1.031	(52.10) 2.051	(23.20) .913	(26.20) 1.031
-40	(48.10) 1.894	(31.20) 1.228	(34.20) 1.346	(60.10) 2.366	(31.20) 1.228	(34.20) 1.346



POWER TAIL	D
-1	(2.35) .093
-2	(3.13) .123



**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.

[WWW.SAMTEC.COM](http://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.