



(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

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:

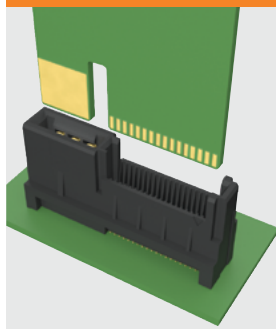
Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



APPLICATION



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

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
or contact 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

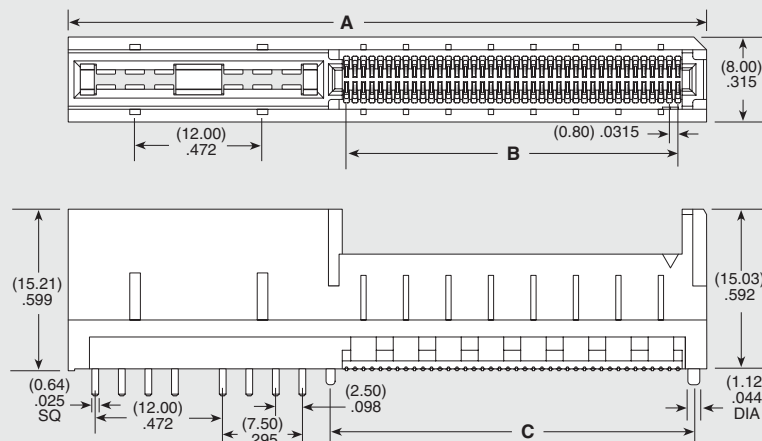
-S

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

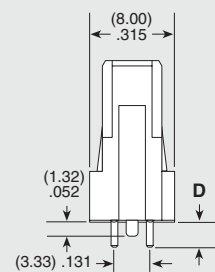
-2

= 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



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.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.