

# HIGH-SPEED EDGE CARD SYSTEMS

0.80 mm PITCH

GENERATE™

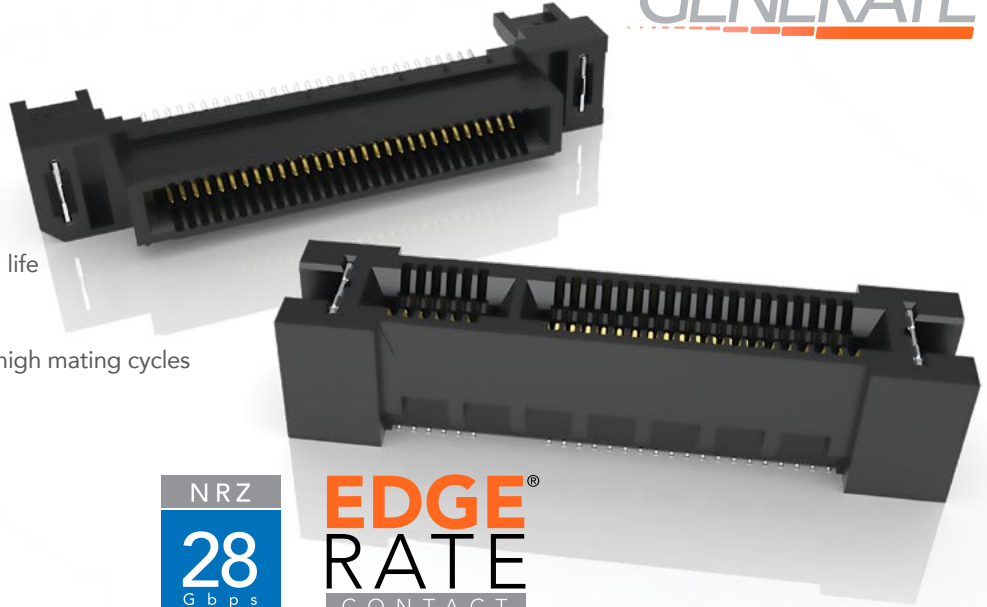
## FEATURES & BENEFITS

- 28 Gbps NRZ performance
- PCI Express® 3.0 & 4.0 Capable
- Edge Rate® contacts optimized for signal integrity performance and cycle life
- Up to 200 positions available
- Extended Life Product™ (E.L.P.™) for high mating cycles



NRZ  
**28**  
Gbps

**EDGE**  
**RATE**  
CONTACT



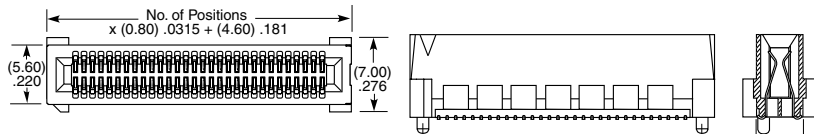
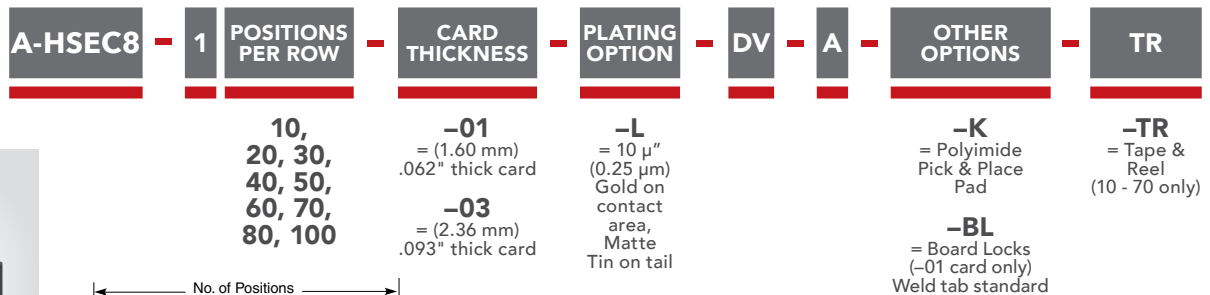
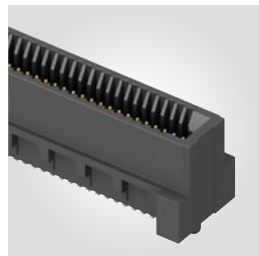
## KEY SPECIFICATIONS

| SERIES  | PITCH   | TOTAL POSITIONS | INSULATOR MATERIAL | CONTACT MATERIAL | OPERATING TEMP RANGE | CURRENT RATING | VOLTAGE RATING | LEAD-FREE SOLDERABLE |
|---------|---------|-----------------|--------------------|------------------|----------------------|----------------|----------------|----------------------|
| A-HSEC8 | 0.80 mm | 18-200          | Black LCP          | BeCu             | -55 °C to +125 °C    | 2.8 A (2 pins) | 240 VAC        | Yes                  |

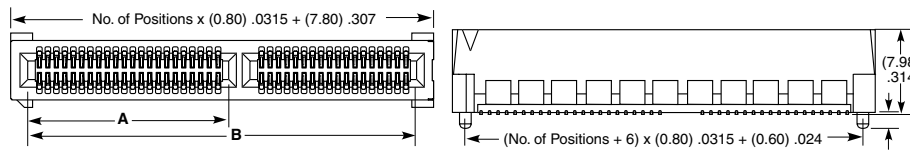
## (0.80 mm) .0315" PITCH • VERTICAL EDGE CARD SOCKET

### A-HSEC8-DV

Card Mates:  
(1.60 mm) .062" card  
(2.36 mm) .093" card



10, 20 & 30 POSITIONS



40 THRU 100 POSITIONS

| POSITIONS PER ROW | A             | B             |
|-------------------|---------------|---------------|
| 40                | (18.90) .744  | (36.60) 1.441 |
| 50                | (22.90) .902  | (44.60) 1.756 |
| 60                | (26.90) 1.059 | (52.60) 2.071 |
| 70†               | (26.90) 1.059 | (60.60) 2.386 |
| 80†               | (26.90) 1.059 | (68.60) 2.701 |
| 100†              | (26.90) 1.059 | (84.60) 3.331 |

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

† Available with -01 Card Only

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

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

(0.80 mm) .0315" PITCH • RIGHT-ANGLE & POWER COMBO SOCKET

|                |          |                          |                       |                       |           |                      |           |
|----------------|----------|--------------------------|-----------------------|-----------------------|-----------|----------------------|-----------|
| <b>A-HSEC8</b> | <b>1</b> | <b>POSITIONS PER ROW</b> | <b>CARD THICKNESS</b> | <b>PLATING OPTION</b> | <b>RA</b> | <b>OTHER OPTIONS</b> | <b>TR</b> |
|----------------|----------|--------------------------|-----------------------|-----------------------|-----------|----------------------|-----------|

**EDGE RATE**  
CONTACT

09, 10,  
13, 20,  
25, 30, 40,  
49, 50, 60

**-01**  
= (1.60 mm) .062"  
thick card

**-L**  
= 10 μm (0.25 μm)  
Gold on contact area,  
Matte Tin on tail

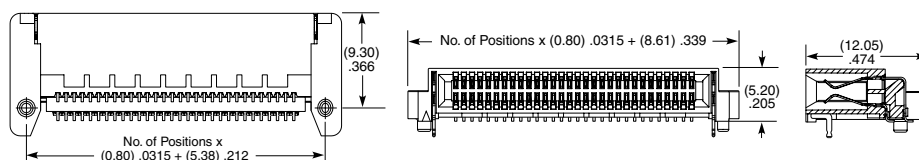
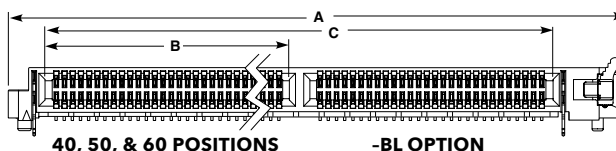
**-BL**  
= Board Locks  
(09, 13, 25, 49,  
40, 50, 60 only)

**-TR**  
= Tape & Reel

| POSITIONS PER ROW | A             | B             | C             |
|-------------------|---------------|---------------|---------------|
| 40                | (43.80) 1.724 | (18.90) .744  | (36.60) 1.441 |
| 50                | (51.80) 2.039 | (22.90) .902  | (44.60) 1.756 |
| 60                | (59.80) 2.354 | (26.90) 1.059 | (52.60) 2.071 |
| 40-BL             | (51.30) 2.020 | (18.90) .744  | (36.60) 1.441 |
| 50-BL             | (59.30) 2.335 | (22.90) .902  | (44.60) 1.756 |
| 60-BL             | (67.30) 2.650 | (26.90) 1.059 | (52.60) 2.071 |

**A-HSEC8-RA**

Card Mates:  
(1.60 mm)  
.062" card



10, 20 & 30 POSITIONS

|                |          |                         |                       |                       |           |                        |                   |                     |
|----------------|----------|-------------------------|-----------------------|-----------------------|-----------|------------------------|-------------------|---------------------|
| <b>A-HSEC8</b> | <b>1</b> | <b>SIGNAL POSITIONS</b> | <b>CARD THICKNESS</b> | <b>PLATING OPTION</b> | <b>PV</b> | <b>POWER POSITIONS</b> | <b>POWER TAIL</b> | <b>OTHER OPTION</b> |
|----------------|----------|-------------------------|-----------------------|-----------------------|-----------|------------------------|-------------------|---------------------|

**EDGE RATE**  
CONTACT

20, 30, 40  
(Signal positions  
per row)

**-01**  
= (1.60 mm) .062"  
thick card

**-L**  
= 10 μm (0.25 μm)  
Gold on contact area,  
Matte Tin on tail

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

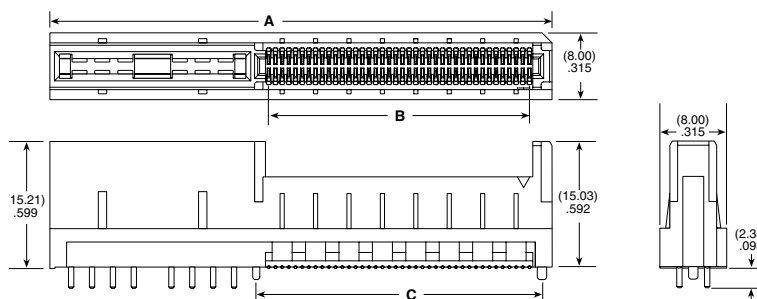
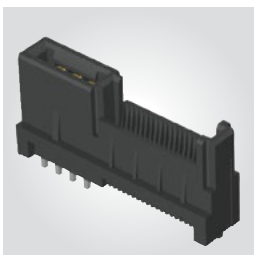
**-1**  
= Use with  
(1.60 mm)  
.062"  
Thick PCB

**-WT**  
= Weld Tab

| 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 |

**A-HSEC8-PV**

Card Mates:  
(1.60 mm)  
.062" card



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