





(0.80 mm) .0315"

# RIGHT-ANGLE EDGE RATE® CARD SOCKET

Rugged Edge Rate®

contacts

designed for

Signal Integrity

#### **SPECIFICATIONS**

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

#### Insulator Material:

Black Liquid Crystal Polymer Contact: BeCu Plating: Au or Sn over 50 µ" (1.27 µm) Ni

Current Rating:

2.6 A per pin (2 adjacent pins powered) Operating Temp:

-55 °C to +125 °C RoHS Compliant:

#### **PROCESSING**

Lead-Free Solderable:

Yes SMT Lead Coplanarity: (0.10 mm) .004" max (10-60)

#### **RECOGNITIONS**

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



#### **ALSO AVAILABLE** (MOQ Required)

· Other platings

#### **Card Mates:**

(1.60 mm) .062" thick card, HSC8

#### **Cable Mates:**



**HIGH-SPEED CHANNEL PERFORMANCE** 

Accepts (1.60 mm) .062" PCB thicknesses

**RUGGEDIZED** Board lock option

Optional

Board Locks

# **HSEC8**

09, 10, 13, 20, 25,

30, 40, 49, 50, 60

40, 50 & 60

01

HSEC8-RA

Rating based on Samtec reference channel.

For full SI performance data visit Samtec.com

or contact SIG@samtec.com

**POSITIONS PER ROW** 

#### CARD **THICKNESS**

thick card

-01 = (1.60 mm) .062"

#### **PLATING OPTION**

= 10 μ" (0.25 μm)

Gold on contact,

Matte Tin on tail

-S

**POSITIONS** 

**PER ROW** 

40

50

60

40-BL

50-BL

60-BL

Α

(43.80) 1.724

(51.80) 2.039

(59.80) 2.354

(51.30) 2.020

(59.30) 2.335

(67.30) 2.650

= 30 µ" (0.76 µm)

#### OTHER OPTION

## -BL

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

### –L2

ECDP Latching (09, 13, 25, 49 only) (For use with ECDP)

#### –TR

= Tape & Reel Packaging (10 thru 60 positions only)

В

.744

(22.90)

.902

(26.90) 1.059

(18.90) (36.60)

(26.90) (52.60) 1.059 2.071

(18.90) (36.60) .744 1.441

(22.90) (44.60) .902 1.756

C

1.441

(44.60)

1.756

(52.60) 2.071

#### Gold on contact, Matte Tin on tail (9.30)(1.32) .052 366 \* <del>^</del> (1.10).043 No. of Positions x -(0.80) .0315 + (5.38) .212 No. of Positions x (0.80) .0315 + (8.61) .339 (1.75) .069 (12.05)(0.80) .0315 → ------(3.00) (5.20) .118 01 (1.32) 10, 20 & 30 .020 (1.25).052 DIA

#### Notes:

While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75  $\Omega$  applications.

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

# WWW.SAMTEC.COM

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-BL