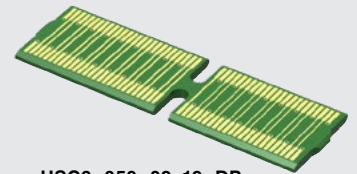


RU8-160-25-SE-L-DV-BL



HSC8-050-02-19-DP

(0.80 mm) .0315"

RU8, HSC8 SERIES

# HIGH-SPEED RISER CARD KIT

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?RU8](http://www.samtec.com?RU8)

## CONNECTOR

### Insulator Material:

Black LCP

### Contact:

BeCu

### Plating:

Au or Sn over 50 μm (1.27 μm) Ni

### Current Rating:

3.1 A per pin (6 adjacent pins powered)

### Operating Temp:

-55 °C to +125 °C

**EDGE RATE**  
CONTACT

## PROCESSING

### Lead-Free Solderable: Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max (40-60)

### RoHS Compliant: Yes

## RECOGNITIONS

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



**Note:** While optimized for 50 Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75 Ω applications.

**RU8**

**1 POSITIONS PER ROW**

**STACK HEIGHT**

**SIGNAL ROUTING**

**PLATING OPTION**

**DV**

**BL**

**OTHER OPTION**

**40, 50, 60**

Kit contains two connectors and one card. Assembly required.

**-19**  
= (19 mm) .748"

**-25**  
= (25 mm) .984"

**-30**  
= (30 mm) 1.180"

**-SE**  
= Single-Ended

**-DP**  
= Differential Pair

**-L**  
= 10 μm (0.25 μm) Gold on contact, Matte Tin on tail (Plating for connectors) Plating for Card is Hard Gold

**-BL**  
= Board Locks (Bottom Socket only) (Not available on -19 stack height)

**-K**  
= (5.50 mm) .217" DIA Polyimide Film Pick & Place Pad

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

**Note:** Other Gold plating options available.

Diagram labels: -SE, A, -DP, (7.98) .314, (1.60) .062, (7.01) .276, (-19 Only), (12.51) .492, B, -BL (Required with -25 & -30)

NO. OF POSITIONS PER SIDE	A	B	-SE TOTAL SIGNAL LINES	-DP TOTAL SIGNAL PAIRS
40	(39.80) 1.567	(51.05) 2.010	40	26
50	(47.80) 1.882	(59.05) 2.325	50	32
60	(55.80) 2.197	(67.05) 2.640	60	38

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

## Mates with:

HSEC8

## SPECIFICATIONS

For complete specifications see [www.samtec.com?HSC8](http://www.samtec.com?HSC8)

### Conductor:

1/2 oz Copper

### Contact Area:

Hard Gold Plated

### Insulator: FR-4

### RoHS Compliant: Yes

NO. OF POSITIONS PER SIDE	-SE TOTAL SIGNAL LINES	-DP TOTAL SIGNAL PAIRS
-40	40	26
-50	50	32
-60	60	38

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

**HSC8**

**NUMBER OF POSITIONS PER SIDE**

**CARD STYLE**

**STACK HEIGHT**

**SIGNAL ROUTING**

**-040, -050, -060**

**-02**  
= (1.60 mm) .062" thick card

**-19**  
= (19 mm) .748"

**-25**  
= (25 mm) .984"

**-30**  
= (30 mm) 1.180"

**-SE**  
= Single-Ended

**-DP**  
= Differential Pair

Diagram labels: No. of Positions per Side x (0.80) .0315 + (4.45) .175, Signal, (1.60) .062, 01, Ground, -SE, -DP

STACK HEIGHT	A
-19	(14.84) .584
-25	(20.84) .820
-30	(25.84) 1.017

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Authorized Distributor

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