



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

HSC8-050-02-19-DP

RU8, HSC8 SERIES

(0.80 mm) .0315"

HIGH-SPEED RISER CARD KIT

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?RU8

CONNECTOR

Insulator Material:

Black LCP

Contact:

BeCu

Plating:

Au or Sn over

50 μm (1.27 μm) Ni

Current Rating:

2.8 A per pin

(2 adjacent pins powered)

Voltage Rating:

240 VAC/339 VDC

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



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	-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 Note: Other Gold plating options available.		-BL = Board Locks (Bottom Socket only) (Not available on -19 stack height)	Leave blank for Trays -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)

Kit contains two connectors and one card. Assembly required.

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, HTEC8

SPECIFICATIONS

For complete specifications see 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

No. of Positions per Side x (0.80) .0315 + (4.45) .175

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

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.