

(0,80mm) .0315"

RU8, HSC8 SERIES



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

HSC8-050-02-25-DP

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 50µ" (1,27µm) Ni

Current Rating: 3.1A @ 30°C

Temperature Rise (See website for details)

Operating Temp: -55°C to +125°C

Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity: (0,10mm) .004" max (40-60)

RoHS Compliant: Yes



Protocols Supported

PCI Express®
XAUI, SATA

Download app notes at
www.samtec.com/appnote
Contact SIG @ samtec.com
for questions on protocols

RU8 - 1 POSITIONS PER ROW - STACK HEIGHT - SIGNAL ROUTING - PLATING OPTION - DV - BL - OTHER OPTION

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

40, 50, 60

Kit contains two connectors and one card. Assembly required.

-19

= (19mm) .748"

-25

= (25mm) .984"

-30

= (30mm) 1.180"

-SE

= Single-Ended

-DP

= Differential Pair

-L

= 10µ" (0,25µm)

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)

Leave blank for Trays

-K

= (5,50mm)

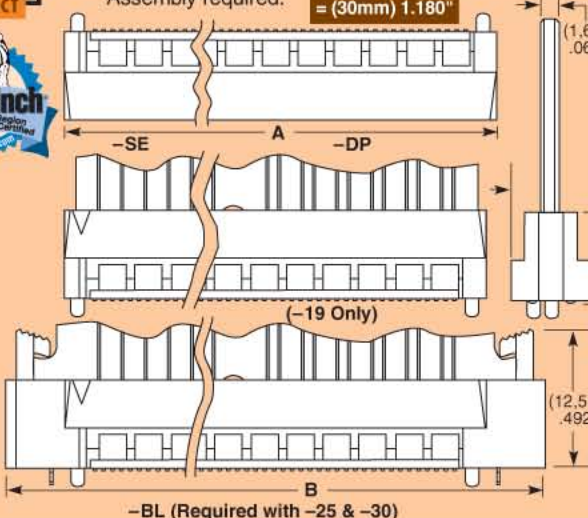
.217" DIA Polyimide

Film Pick & Place Pad

-TR

= Tape & Reel

Note: Other Gold plating options available. Contact Samtec.



NO. OF POSITIONS PER SIDE	A	B	-SE TOTAL SIGNAL LINES	-DP TOTAL SIGNAL PAIRS
40	(39,80) 1.567	(50,39) 1.984	40	26
50	(47,80) 1.882	(58,39) 2.299	50	32
60	(55,80) 2.197	(66,40) 2.614	60	38

RU8 25mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	7.5 GHz / 15 Gbps
Differential Pair Signaling	7.5 GHz / 15 Gbps

*Performance data includes effects of a non-optimized PCB. Performance data for other stack heights and complete test data available at www.samtec.com?RU8 or contact sig@samtec.com

Mates with:
HSEC8

SPECIFICATIONS

For complete specifications see www.samtec.com?RU8

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
-040	40	26
-050	50	32
-060	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

= (1,60mm)

.062"

thick card

-19

= (19mm)

.748"

-25

= (25mm)

.984"

-30

= (30mm)

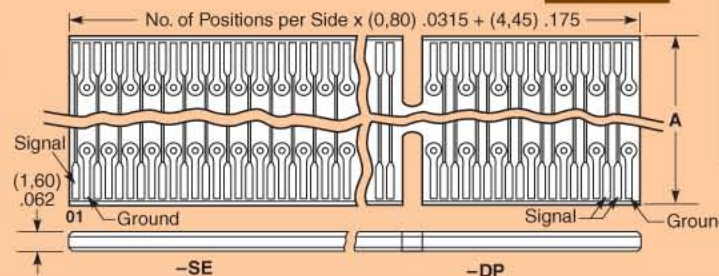
1.180"

-SE

= Single-Ended

-DP

= Differential Pair



STACK HEIGHT	A
-19	(14,84) .584
-25	(20,84) .820
-30	(25,84) 1.017

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

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