



(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

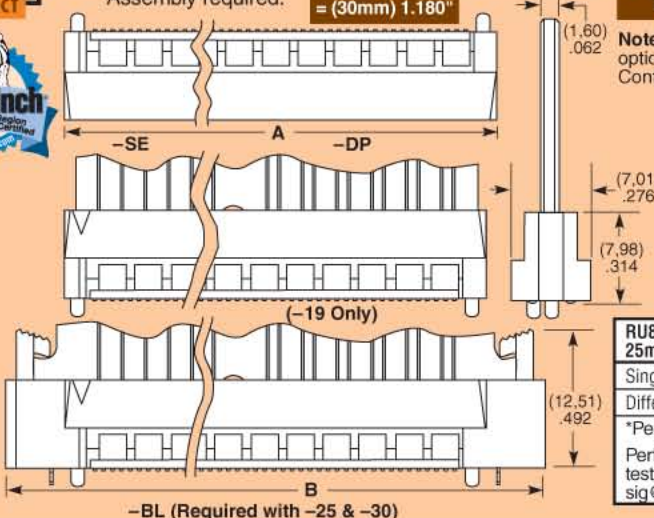
-L
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail (Plating for connectors) Plating for Card is Hard Gold

-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.

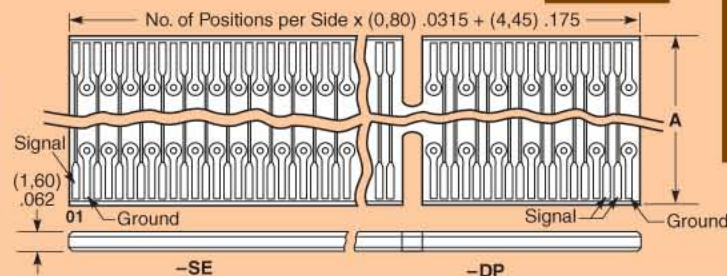
HSC8 - NUMBER OF POSITIONS PER SIDE - CARD STYLE - STACK HEIGHT - SIGNAL ROUTING

-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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