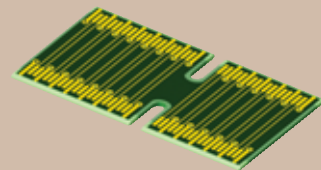


RU8-140-25-SE-S-DV-BL



HSC8-040-02-25-DP

0,80mm RISER CARD KIT RU8, HSC8 SERIES

SPECIFICATIONS

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

Connector:
Insulator Material: Black Liquid Crystal Polymer
Contact: BeCu
Plating: Au or Sn over 50µ" (1,27µm) Ni
Current Rating: 3.1A @ 30°C
Temperature Rise: 3.1A @ 30°C
Operating Temp: -55°C to +125°C



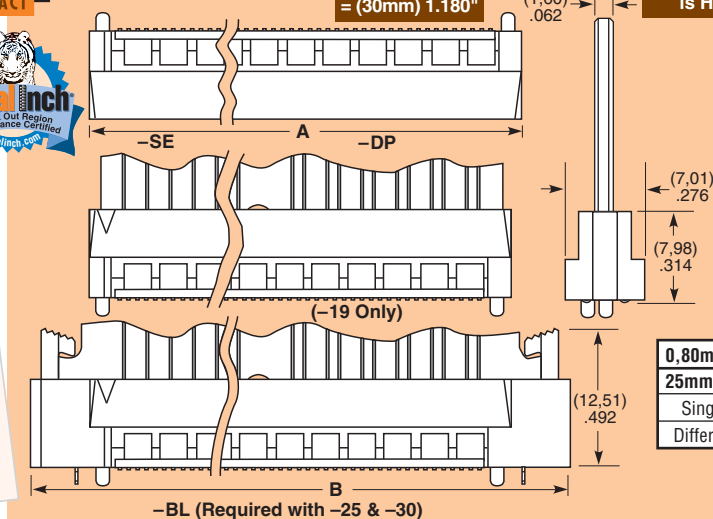
Processing:
Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10mm) .004" max (40-60)
RoHS Compliant: Yes

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
		40, 50, 60	-19 = (19mm) .748" -25 = (25mm) .984" -30 = (30mm) 1.180"	-SE = Single-Ended -DP = Differential Pair	-S = 30µ" (0,76µm) 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



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

0,80mm pitch RU8	Rated @ -3dB Insertion Loss
25mm Stack Height	
Single-Ended Signaling	7.5 GHz / 15 Gbps
Differential Pair Signaling	7.5 GHz / 15 Gbps

Kit contains two connectors and one card. Assembly required.

Mates with: HSEC8

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
-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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