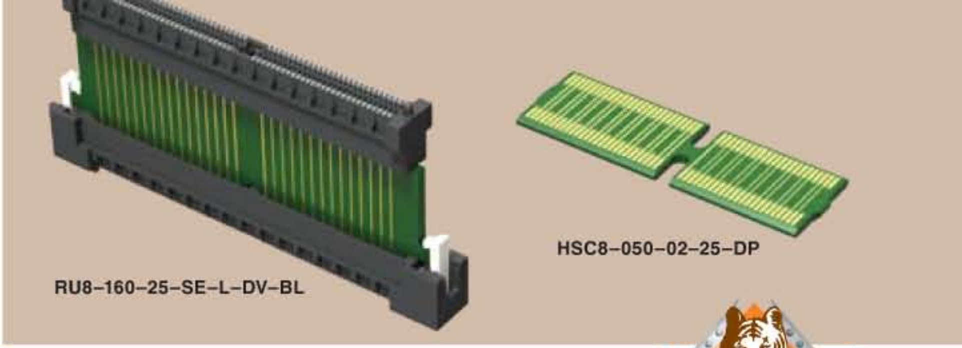


(0,80mm) .0315"

RU8, HSC8 SERIES

HIGH SPEED RISER CARD KIT

RUGGEDIZED by SAMTEC
- Board lock option

SPECIFICATIONS

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

Connector:

Insulator Material:
Black LCP
FILE NO. E111594
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.

POSITIONS PER ROW: **40, 50, 60**

Kit contains two connectors and one card. Assembly required.

STACK HEIGHT:
- **–19** = (19mm) .748"
- **–25** = (25mm) .984"
- **–30** = (30mm) 1.180"

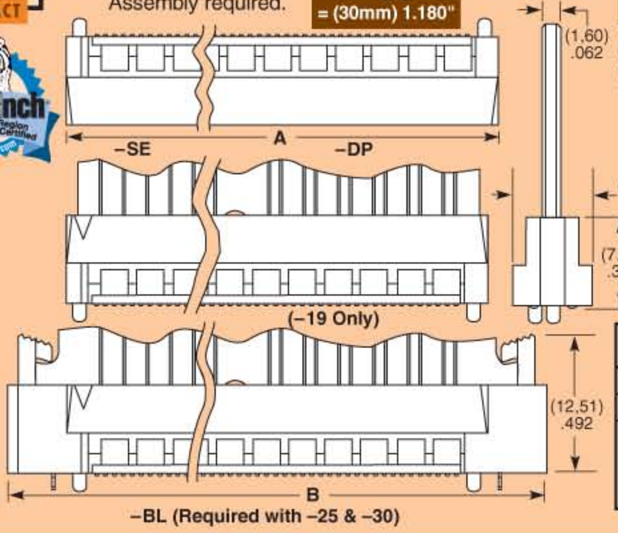
SIGNAL ROUTING:
- **–SE** = Single-Ended
- **–DP** = Differential Pair

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

Note: Other Gold plating options available. Contact Samtec.

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

OTHER OPTION:
- 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

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:
½ 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.

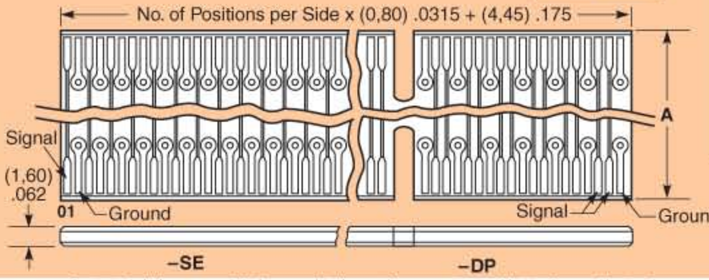
HSC8 – NUMBER OF POSITIONS PER SIDE – CARD STYLE – STACK HEIGHT – SIGNAL ROUTING

NUMBER OF POSITIONS PER SIDE: **–040, –050, –060**

CARD STYLE:
- **–02** = (1,60mm) .062" thick card

STACK HEIGHT:
- **–19** = (19mm) .748"
- **–25** = (25mm) .984"
- **–30** = (30mm) 1.180"

SIGNAL ROUTING:
- **–SE** = Single-Ended
- **–DP** = Differential Pair



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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 **SAMTEC NORTHERN CALIFORNIA** • Tel: 408-395-5900 **SAMTEC SOUTHERN CALIFORNIA** • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 **SAMTEC UNITED KINGDOM** • Tel: 44 01236 739292 **SAMTEC GERMANY** • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 **SAMTEC ITALY** • Tel: 39 039 6890337 **SAMTEC NORDIC/BALTIC** • Tel: +46-84477280 **SAMTEC BENELUX** • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 **SAMTEC INDIA** • Tel: +91-80-3272 1612 **SAMTEC ASIA PACIFIC** • Tel: 65 6745-5955 **SAMTEC JAPAN** • Tel: 045-475-1385 **SAMTEC CHINA** • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 **SAMTEC HONG KONG** • Tel: 852-26904858 **SAMTEC KOREA** • Tel: 82-31-717-5685 **SAMTEC ANZ** • Tel: 613 9580 0683

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

HSC8-060-02-19-SE RU8-140-30-DP-L-DV-BL