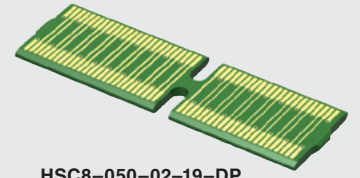


RU8-160-25-SE-L-DV-BL



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:
3.1 A per pin
(6 adjacent pins powered)
Operating Temp:
-55 °C to +125 °C



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
Kit contains two connectors and one card. Assembly required.

-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

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

-K
= (5.50 mm) .217" DIA Polyimide Film Pick & Place Pad

-TR
= Tape & Reel

Note: Other Gold plating options available.

| 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

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

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

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

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

| 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.

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.