# R-SATA
## Rugged SATA 3.0 connector – 6.25 Gb/s



## Description

The Rugged R-SATA style connector is perfectly suited as the primary internal storage interconnect for desktop and mobile PCs, connecting the system to peripherals such as hard drives, solid state drives, optical drives, and removable magnetic media drives. The R-SATA supports SATA 3.0 protocol, delivering 6.25 Gb/s data rates & beyond.

## Benefits

- Combo 22 pin R-SATA contact arrangements (two differential pairs, 3 ground)
- Intermountable with standard SATA connectors
- Footprint compatible with 3M SATA connectors
- Resistant to shock, vibration & fretting corrosion
- 20 000 mating cycles

## Features

- Ruggedized SATA style
- Supports SATA 3.0 protocol (6.25 Gb/s) & beyond
- Allows to ruggedize standard COTS drives
- Rugged Micro-Hyperboloid contacts
- Low insertion/extraction force

## Supported high-speed protocols

- SATA 1.0, SATA 2.0 and SATA 3.0
- USB 2.0 and USB 3.0
- Ethernet 10Base-T, 1000Base-T and 10GBase-T
- HDMI
- DVI
- Display port 1.0 and 1.2

## Online configurator & 3D model download

You can define references according your needs and download directly 3D models in several formats on PCB connectors product page in our website www.amphenol-socapex.com or scan QR code :

## Markets

 Electronic storage systems

 C5ISR

 Peripherals connections

www.amphenol-socapex.com
Due to technical progress, all information provided is subject to change without prior notice
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# COMBO 22 PIN - THRU HOLE SOLDERING (PCB TERMINATION)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| Series | Connector type | Total number of contacts | Termination style/Tail finish |
| RS2- | RRA | 22 | 0702 |

## 1. Series

| RS2 | R-SATA |
|---|---|

## 2. Connector type

| PST | Plug, Straight |
|---|---|
| RRA | Receptacle, Right angle |
| RST | Receptacle, Straight |

## 3. Total number of contacts

| 22 | 22 Contacts |
|---|---|

## 4. Termination style/Tail finish

| 0702 | PCB .070" Stickout, AU/Ni |
|---|---|
| 0706 | PCB .070" Stickout, AU/Ni-Sn/Pb |
| 0902 | PCB .090" Stickout, AU/Ni |
| 0906 | PCB .090" Stickout, AU/Ni-Sn/Pb |
| 1102 | PCB .110" Stickout, AU/Ni |
| 1106 | PCB .110" Stickout, AU/Ni-Sn/Pb |
| 1302 | PCB .130" Stickout, AU/Ni |
| 1306 | PCB .130" Stickout, AU/Ni-Sn/Pb |

Finish Key :
Au/Ni Gold over Nickel
Au/Ni-Sn/Pb Gold over Nickel with Tin Lead Dip

# COMBO 22 PIN - SMT TERMINATION

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| Series | Connector type | Total number of contacts | Termination style/Tail finish |
| RS2- | RRSM | 22- | 2 |

## 1. Series

| RS2 | R-SATA |
|---|---|

## 2. Connector type

| RRSM | Receptacle, Right Angle, Surface Mount |
|---|---|
| PRCE | Plug, Card Edge |

## 3. Total number of contacts

| 22 | 22 Contacts |
|---|---|

## 4. Termination style/Tail finish

| 2 | Gold/Nickel |
|---|---|
| 6 | Gold/Nickel with tin lead dip |

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