



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



C6ISR



Peripherals connections

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
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2. Connector type

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

3. Total number of contacts

22	22 Contacts
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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
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2. Connector type

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

3. Total number of contacts

22	22 Contacts
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4. Termination style/Tail finish

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