

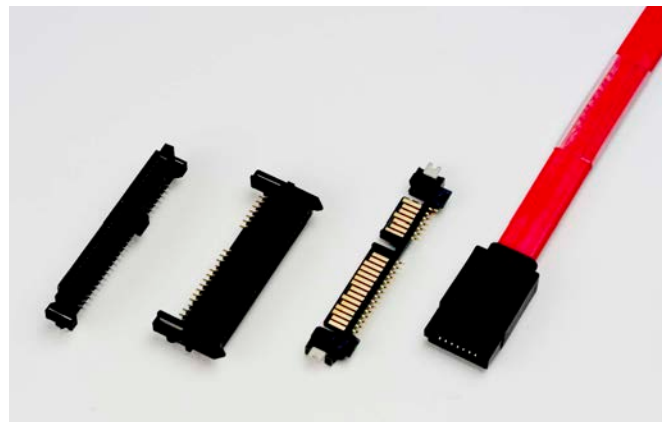
Serial-ATA Connector

SAT Series



OUTLINE

Serial ATA(SATA) is an improvement of the parallel ATA interface. SATA is a serial link and enables the reduction in the number of contact. A thinner flat cable enables easier wiring and improved air flow within tight spaces.



FEATURES

1. 7 pins (Signal) and 15 pins (Power) contact arrangement
2. Supporting hot plugging
3. Supporting data speed of 6Gbps

APPLICATIONS

Low-end Server, HDD, SSD and other peripheral devices

SPECIFICATIONS

Rated Voltage	30V AC (r.m.s.)
Rated Current	1.5A / Contact(Power Segment) 0.5A / Contact(Signal Segment)
Dielectric Withstanding Voltage	500V AC (r.m.s.) / 1 minute
Insulation Resistance	1000M Ω (min.) at 500V DC
Contact Resistance	30m Ω (max.)

MATERIAL/FINISH



Item	Material/Finish
Housing	High Temperature Plastic (UL94V-0) / Black
Contact	Copper Alloy / Contact Area: Au over Ni Plating FA Tail Area: Sn-Ag over Ni Plating FG Tail Area: Au(Flash) over Ni Plating
Board Lock	Sn-Ag over Ni Plating

© Specifications and/or dimensions in this catalog are subject to change without notice.

Please verify the latest specifications with our drawings.

▶ SMT Type Receptacle (Main Board Side for 2.5 and 3.5 inch HDD and SSD)

SAT-RC22-S23-FG

Mating Style
Receptacle Connector

Connector Style
Right Angle Type

Number of Contact
Signal 7pins + Power 15pins

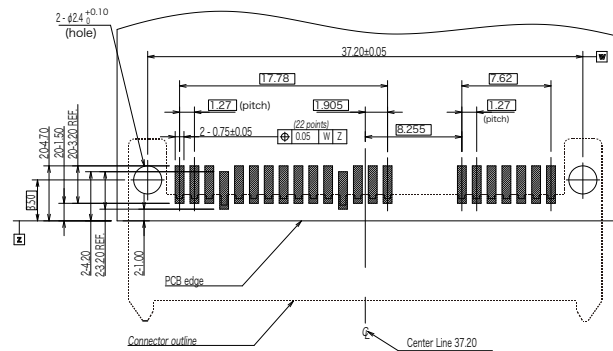
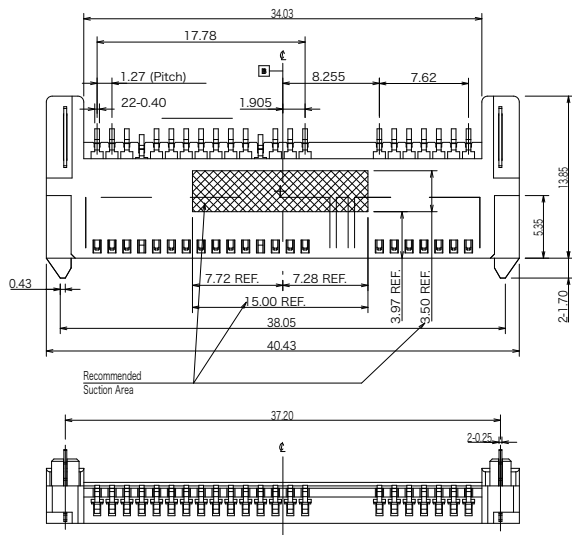
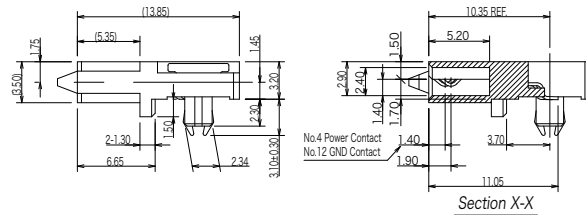
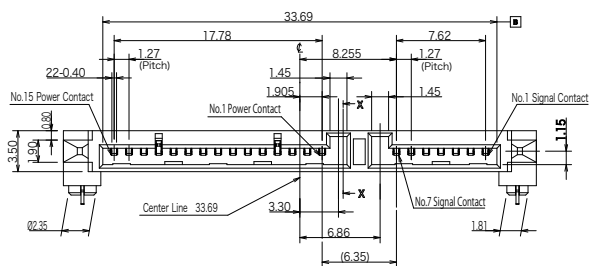
FG: Lead Free

Tail Area: Au(Flash) over Ni Plating

Housing Material
High Temperature Plastic

Contact Area Plating
Au(0.38 μ m) over Ni Plating

Mounting Style
SMT Type



Recommended PCB Layout (PCB Thickness 1.60±0.19)
(Connector Mounting Top View)