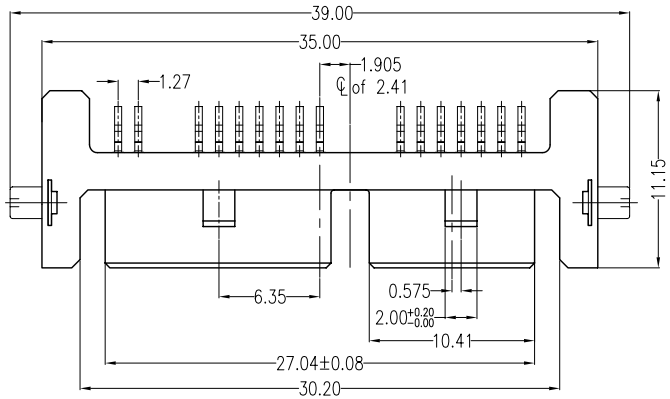
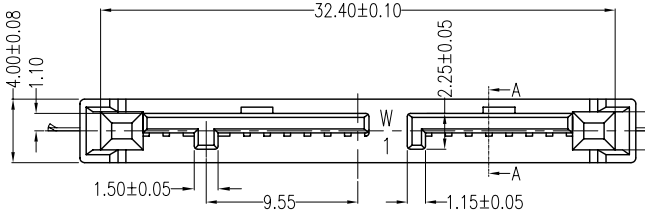
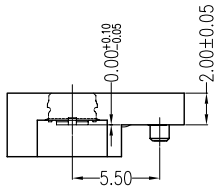
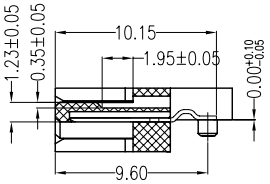


Pin Number	Signal Name
S1	GND
S2	RX+
S3	RX−
S4	GND
S5	TX−
S6	TX+
S7	GND

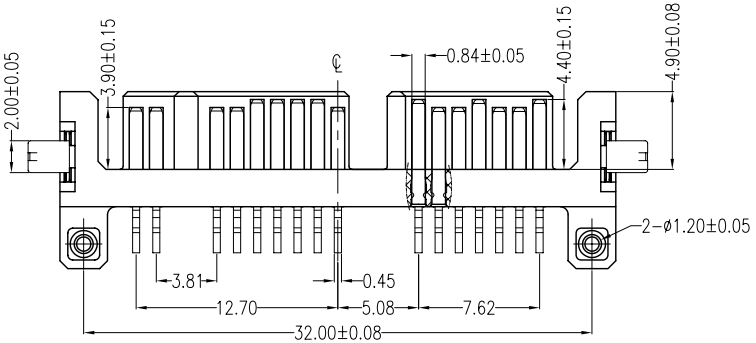
Pin Number	Power Line Designation
P1	+3.3V
P2	+3.3V
P3	GND
P4	GND
P5	+5.5V
P6	+5.5V
P7	DAS/DSS
P8	Optional
P9	Optional

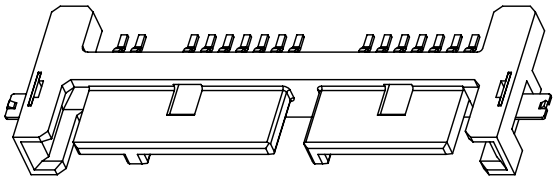


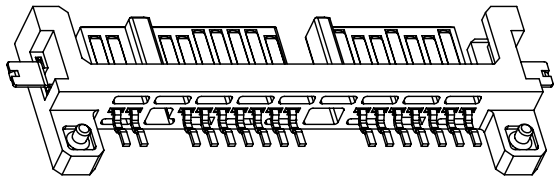




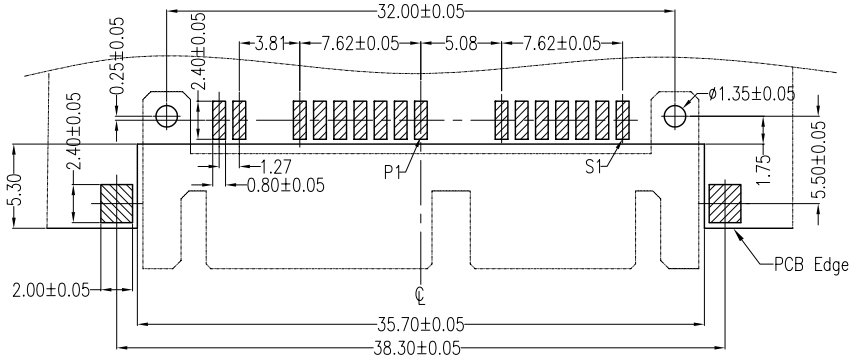
Section:A−A







Product 3D



PCB LAYOUT (T=0.85)
Top View

NOTES:

*Material

Housing: LCP, UL 94V−0 rated, Color: Black;
Contact: Brass;
Plating: Gold plating over Nickel on contact area; Tin plating on solder tail.
Harpoon: Brass;
Plating: Tin plating over Nickel.

*Mechanical

Insertion Force: 45N max.
Withdrawal Force: 10N min.
Durability: 500 cycles

*Electrical Specification

Current Rating: 1.5 Ampere per contact;
Contact Resistance: 30 Milliohms max.
Insulation Resistance: 1000 megohms min.
Dielectric Withstanding Voltage: 500 V AC.

*Environmental

Operating Temperature: −55°C to +85°C

WATV−16 D 3 L 1 B U 3

- Series No. — WATV
- NO. of Contacts — 16
- Selective Gold: A:Flash,D:15u"F:30u" — D
- 3: SMT
- L: LCP
- 1: Black
- B: Brass
- U: Lead Free
- 3: Tray

REV			
Units mm Scale 2:1	Drawing By Data	Wellco T&C Co., Ltd.	
Tolerance Unless Otherwise Specified	Reviewed By Data	Date	
.X ~ ±0.38		Sheet 1 of 1	Title: Serial ATA 7+7+2P SMT Male
.XX ~ ±0.25	Approval By Data	Third Angle Projection	
.XXX ~ ±0.20		Drawing No.	REV
Angle ~ ± 3°			