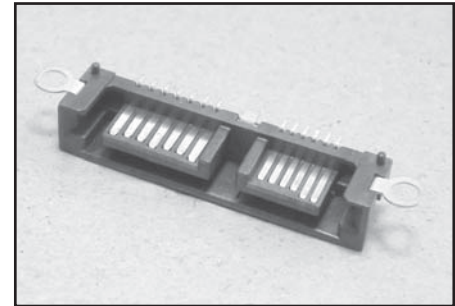


# Slim Line SATA 7+6P R/A Male Type

## Material

Body: LCP UL 94V-0 Rated. Color: Black  
 Contacts :Brass  
 Shell: Brass,Plating Over Nickel  
 Plating: Gold plating over Nickel on contact area;  
 Tin plating on Solder Tail.  
 Harpoon: Brass  
 Plating: Tin plating.



## Mechanical

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

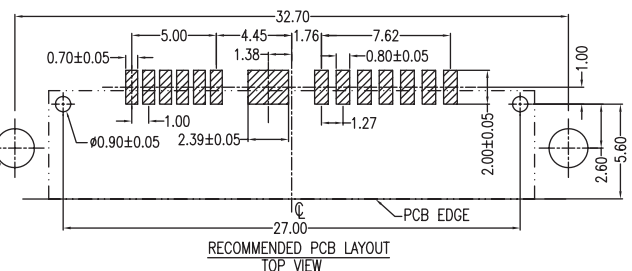
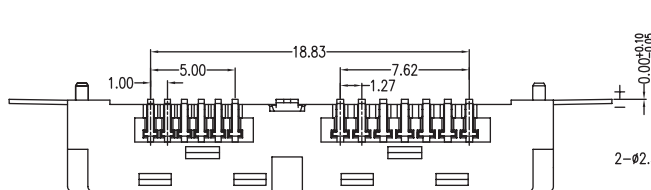
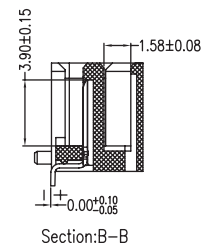
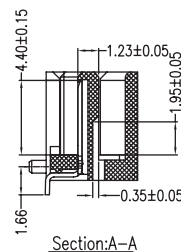
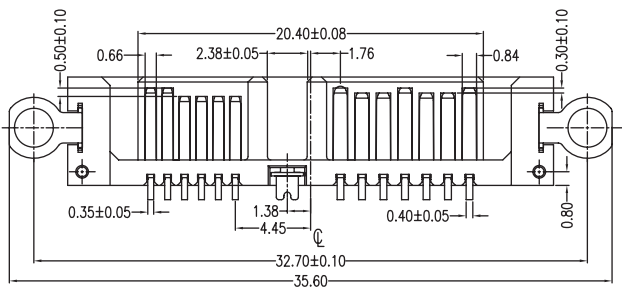
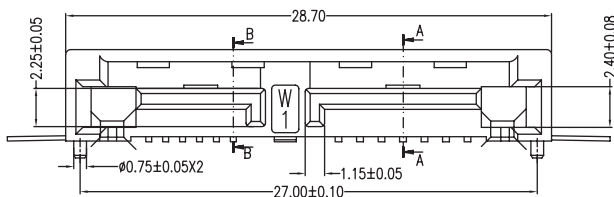
## Electrical Specification

Current Rating: 1.5 Ampere per contact  
 Contact Resistance: 30 Milliohms max.  
 Insulation Resistance: 1000 Megohms min.  
 Dielectric Withstanding Voltage: 500 VAC

## Environmental

Operating Temperature: -55°C to +85°C

| Pin Number | Signal Name | Pin Number | Power Line Designation |
|------------|-------------|------------|------------------------|
| S1         | GND         | P1         | DP                     |
| S2         | A+          | P2         | +5V                    |
| S3         | A-          | P3         | +5V                    |
| S4         | GND         | P4         | MD                     |
| S5         | B-          | P5         | GND                    |
| S6         | B+          | P6         | GND                    |
| S7         | GND         |            |                        |



## How To Order

|   |   |   |   |   |  |
|---|---|---|---|---|--|
| Series NO.<br><input type="text" value="WATQ"/>               | NO.of Contacts<br><input type="text" value="13"/><br>7+6        | Contact Plating<br><input type="text" value="D"/><br>Selective Gold<br>D:15u" | Solder Positions<br><input type="text" value="3"/><br>3:SMT | Insulator Body<br><input type="text" value="L"/><br>L:LCP | Insulator Color<br><input type="text" value="1"/><br>1:Black |
| Contact Material<br><input type="text" value="B"/><br>B:Brass | Selective Lead<br><input type="text" value="U"/><br>U:Lead Free | Packing<br><input type="text" value="3"/><br>3:Tray                           |   |   |  |

# Slim Line SATA 7+6P Vertical Female Type

## Material

Body: LCP UL 94V-0 Rated. Color: Black  
 Contacts : Phosphor Bronze  
 Plating: Gold plating over Nickel on contact area;  
 Tin plating on Solder Tail.  
 Screw: Fe; Plating Over Ni.

## Mechanical

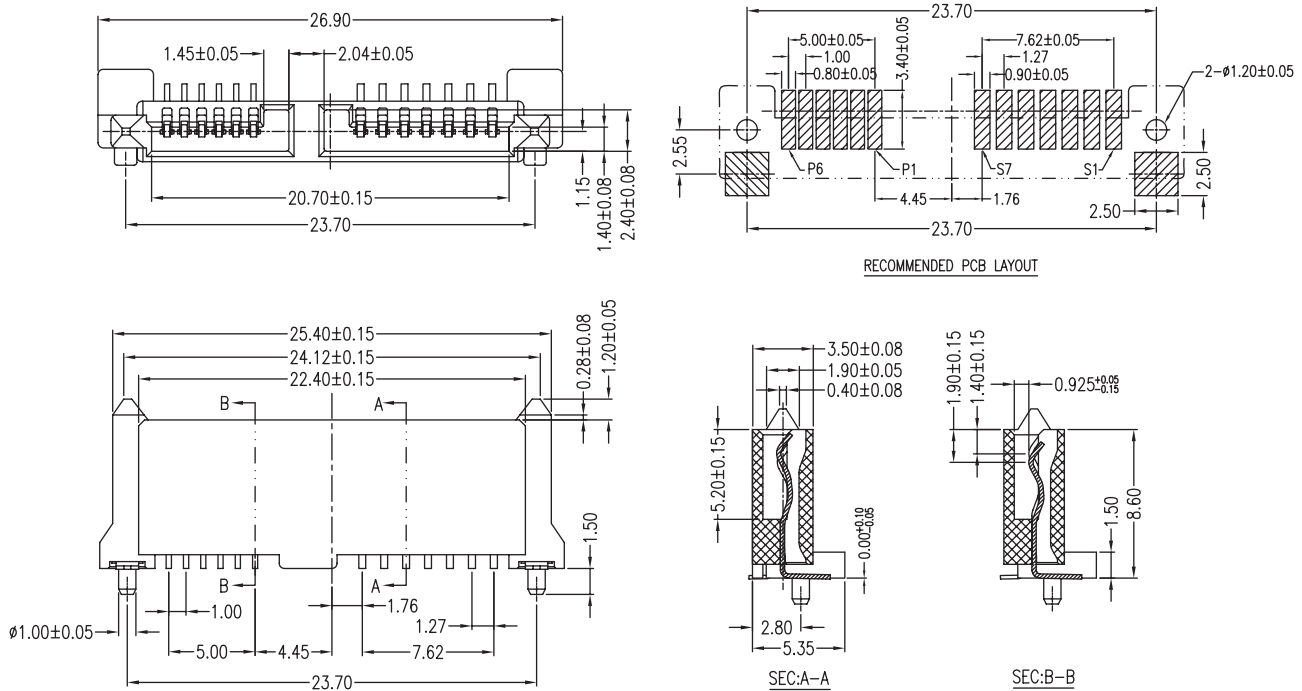
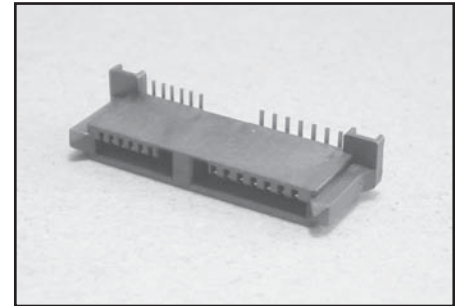
Insertion Force: 45N max.  
 Withdrawal Force: 10N min.  
 Durability: 500 cycles

## Electrical Specification

Operation Voltage: 100 VAC max.  
 Current Rating: 1.5 Ampere per contact  
 Contact Resistance: 30 Milliohms max.  
 Insulation Resistance: 1000 Megohms min.  
 Dielectric Withstanding Voltage: 500 VAC

## Environmental

Operating Temperature: -55°C to +85°C

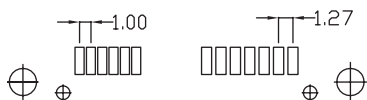
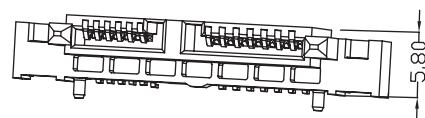


## How To Order

|                                 |  |  |  |                              |
|---------------------------------|--|--|--|------------------------------|
| Series NO.<br>WATN              | NO.of Contacts<br>13<br>7+6                | Contact Plating<br>D<br>Selective Gold<br>D:15u" | Solder Positions<br>6<br>3: SMT<br>6: SMT(With Post) | Insulator Body<br>L<br>L:LCP |
| Insulator Color<br>1<br>1:Black | Contact Material<br>P<br>P:Phosphor Bronze | Selective Lead<br>U<br>U:Lead Free               | Pack Type<br>3<br>3:Tray                             |                              |

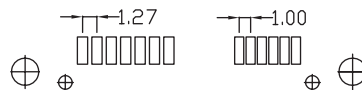
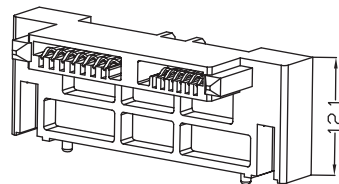
# Slim Line SATA 7+6P R/A Female Type

P/N:WATG-13D3L1PU3



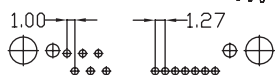
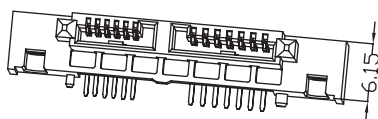
PCB Layout

P/N:WATG-13D6L1PU3



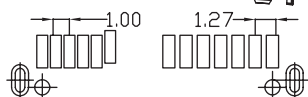
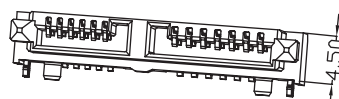
PCB Layout

P/N:WATG-13D7L1PU3



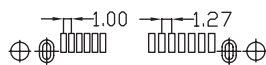
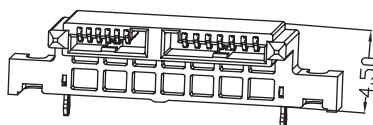
PCB Layout

P/N:WATG-13D8L1PU3



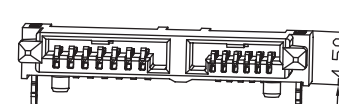
PCB Layout

P/N:WATG-13D9L1PU3



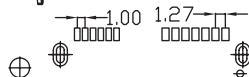
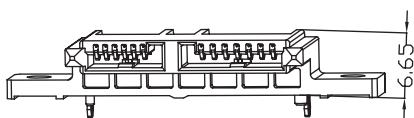
PCB Layout

P/N:WATG-13DAL1PU3



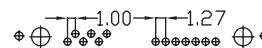
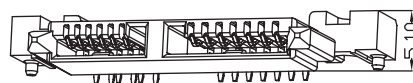
PCB Layout

P/N:WATG-13DBL1PU3



PCB Layout

P/N:WATG-13DCL1PU3



PCB Layout

# Slim Line SATA 7+6P R/A Female Type

## Material

Body: LCP UL 94V-0 Rated. Color: Black  
 Contacts : Phosphor Bronze  
 Plating: Gold plating over Nickel on contact area;  
 Tin plating on Solder Tail.  
 Screw: Fe; Plating Over Zn.

## Mechanical

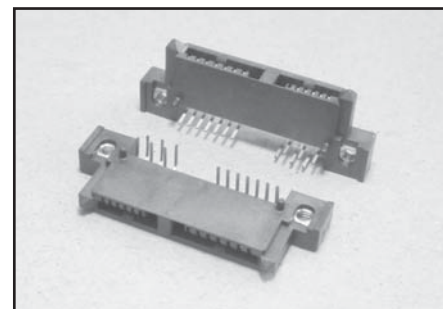
Insertion Force: 45N max.  
 Withdrawal Force: 10N min.  
 Durability: 500 cycles

## Electrical Specification

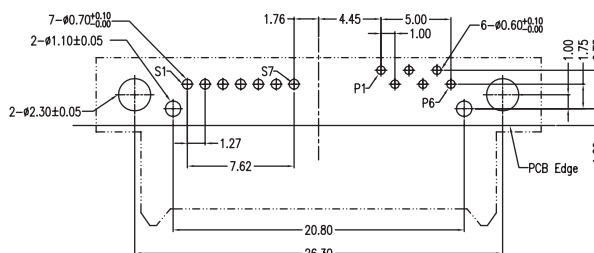
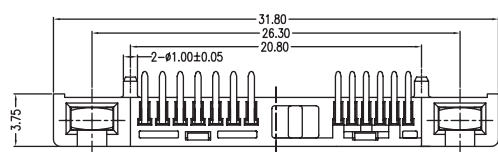
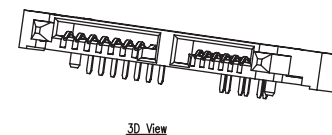
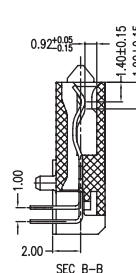
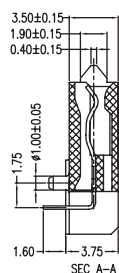
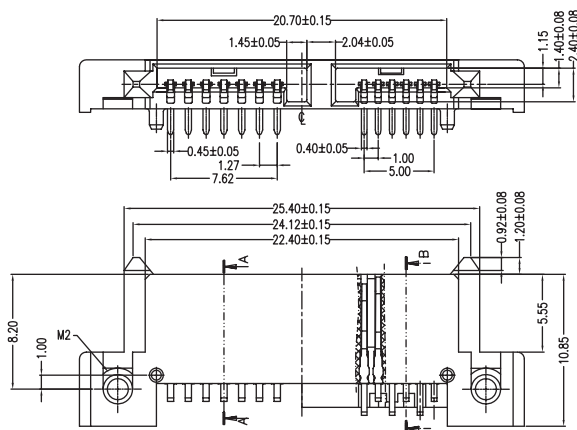
Current Rating: 1.5 Ampere per contact  
 Contact Resistance: 30 Milliohms max.  
 Insulation Resistance: 1000 Megohms min.  
 Dielectric Withstanding Voltage: 500 VAC

## Environmental

Operating Temperature: -55°C to +85°C



| Pin Number | Signal Name | Pin Number | Power Line Designation |
|------------|-------------|------------|------------------------|
| S1         | GND         | P1         | DP                     |
| S2         | A+          | P2         | +5V                    |
| S3         | A-          | P3         | +5V                    |
| S4         | GND         | P4         | MD                     |
| S5         | B-          | P5         | GND                    |
| S6         | B+          | P6         | GND                    |
| S7         | GND         |            |                        |



## How To Order

|   |   |   |  |   |  |
|---|---|---|--|---|--|
| Series NO.<br><input type="text" value="WATG"/>               | NO.of Contacts<br><input type="text" value="13"/>               | Contact Plating<br><input type="text" value="D"/><br>Selective Gold<br>D:15u" | Contact Type<br><input type="text" value="2"/><br>2:Reverse DIP (Tow Row)<br>3:SMT(5.80)<br>6:Reverse SMT (12.1)<br>7:DIP Two Row(6.15)<br>8:SMT (4.50)<br>9:SMT(8.75)<br>A:SMT(4.50)<br>B:SMT(6.65)<br>C:DIP Tow Row Subside Type | Insulator Body<br><input type="text" value="L"/><br>L:LCP | Insulator Color<br><input type="text" value="1"/><br>1:Black |
| Contact Material<br><input type="text" value="B"/><br>B:Brass | Selective Lead<br><input type="text" value="U"/><br>U:Lead Free | Packing<br><input type="text" value="4"/><br>4:Tube                           |  |   |  |