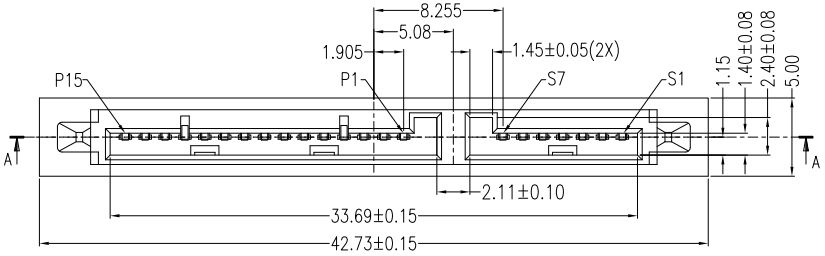
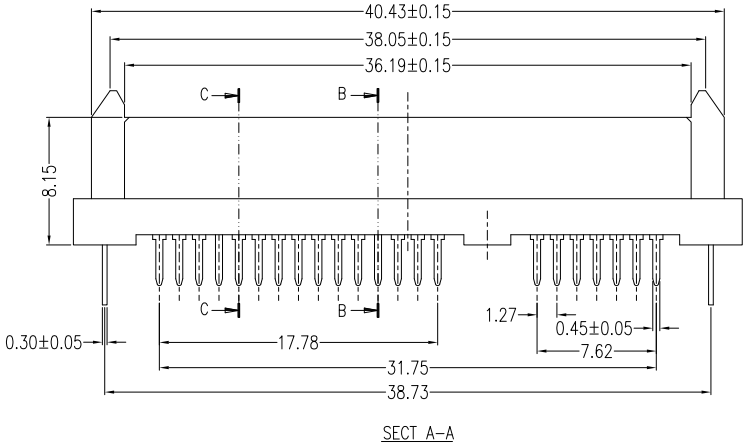
| REV. | ECN.NO. | DATE |
|---|---|---|
| A | RELEASED | 01/13/04 |
| C | 1.Add The Pin Signal<br>2.Update The Dimension | 12/13-'11 |
| D | Modify tin foot size | 07/21-'23 |

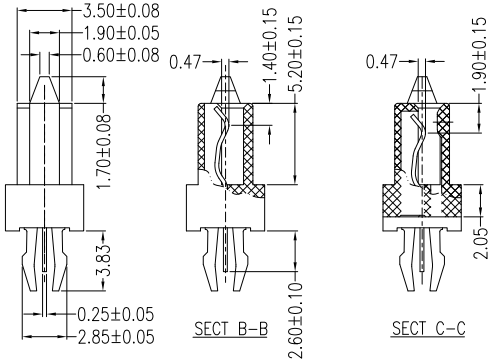


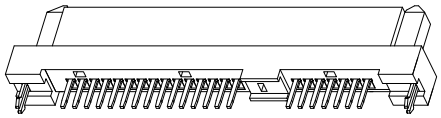

| Signal Segment | |
|---|---|
| Name | Type |
| S1 | GND |
| S2 | A+ |
| S3 | A- |
| S4 | GND |
| S5 | B- |
| S6 | B+ |
| S7 | GND |

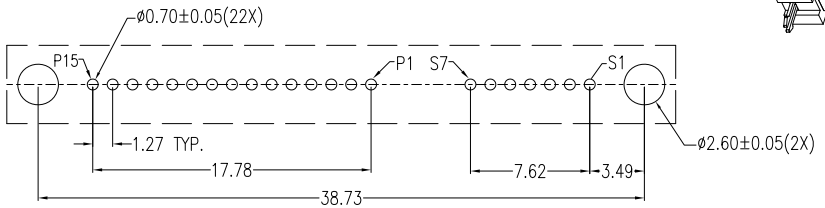
| Power Segment | | | |
|---|---|---|---|
| Name | Type | Name | Type |
| P1 | V3.3 | P9 | V5 |
| P2 | V3.3 | P10 | GND |
| P3 | V3.3 | P11 | DAS/DSS |
| P4 | GND | P12 | GND |
| P5 | GND | P13 | V12 |
| P6 | GND | P14 | V12 |
| P7 | V5 | P15 | V12 |
| P8 | V5 | | |




SECT A-A






PCB LAYOUT
COMPONENT SIDE

## NOTES:

***Material**
- Housing: LCP(50%G.F.), UL94 V-0.
- Contact: Phosphor Bronze.
- Plating: Au Plating On Contact Area.
  Sn(100u" Min.) Plating On Solder Tail.
  Ni(50u" Min.) Underplating Overall.
- Harpoon: Brass.
- Plating: Sn(100u" Min.)plating over Ni(50u" Min.).

***Mechanical**
- Insertion Force: 45N Max.
- Withdrawal Force: 10N Min.
- Durability: 500 Cycles.

***Electrical Specification**
- Current Rating: 1.5 Ampere Per Contact.
- Contact Resistance: 30 mΩ Max.
- Insulation Resistance: 1000 MΩ Min.
- Dielectric Withstanding Voltage: 500V AC.

***Environmental**
- Operating Temperature: -55°C To +85°C.

***How To Order:**

WATR-22DL1PBU-3
- 3: Tray
- Blank: No Mark
- U: Lead Free
- B: DIP Single Row Type(High 9.85mm)
- P: Phosphor Bronze
- 1: Black
- L: LCP
- Au: A: >0.8u"; D: 15u"; F: 30u"
- Number of Contact
- Serial ATA for Riser Card

| REV | Modify tin foot size : 3.00mm → 2.60±0.10mm; Add packaging code 3: Tray. | | | | |
|---|---|---|---|---|---|
| Units: mm | Scale: 2:1 | Drawing By: ZZC | Date: 07/21-'23 | WIN WIN PRECISION IND. CO., LTD. | |
| Tolerance Unless Otherwise Specified | | Reviewed By: Charles | Date: 07/24-'23 | TEL: 886-2-22994155 | FAX: 886-2-22994157 |
| .X ~ ±0.35 | | Approval By: Nancy | Date: 07/27-'23 | Date: 07/21-'23 | Title: SATA 7+15P DIP Single Row Type (High 9.85mm) (Metal Post Distance 38.73mm) Female |
| .XX ~ ±0.25 | | | | Sheet: 1 of 1 | |
| .XXX ~ ±0.15 | | | | Third Angle Projection | |
| Angle ~ ± 3° | | | | Drawing No.: C:\WATA\AP\SATA077.DWG | REV: D |