

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		

NOTES:

***Material**

Housing: LCP UL 94V-0 rated, Color: Black;
 Contact: Brass;
 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 on solder tail.
 Ni (50u"min.) underplating overall.

***Mechanical**

Insertion Force: 45N Max.
 Withdrawal Force: 10N Min.
 Durability: 500 cycles

***Electrical Specification**

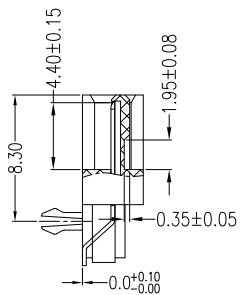
Current Rating: 1.5 Ampere per contact;
 Contact Resistance: 30 Milliohms max.
 Insulation Resistance: 1000 Megohms min.
 Dielectric Withstanding Voltage: 500V AC.

***Environmental**

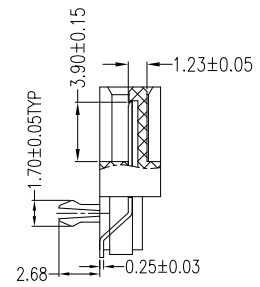
Operating Temperature: -55°C to +85°C

***How to order:**

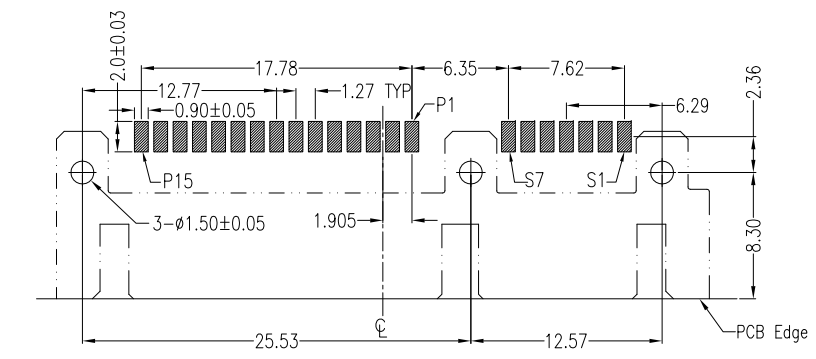
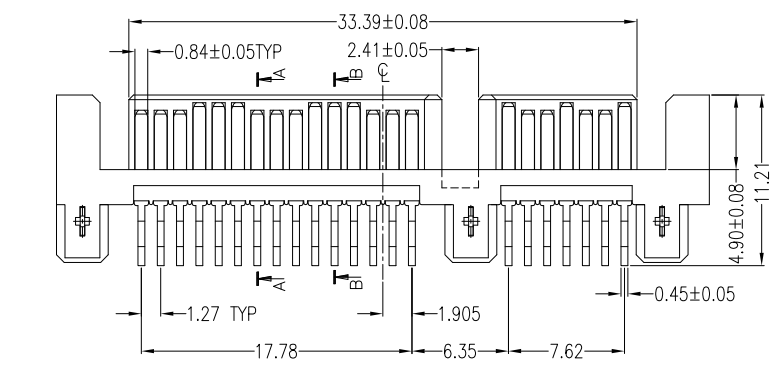
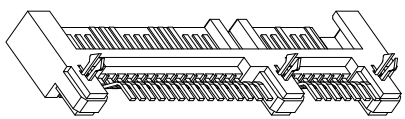
- WATH-22DLBAU 4
- Blank: With-Post
 - 4: Tube
 - Blank: NO MARK
 - U: Lead Free
 - A: Standard SMT Type
 - B: Brass
 - L: LCP
 - Au D: 15u"
 - Number Of Contacts (7+15)
 - Series NO.: SATA For H.D



SECT B-B



SECT A-A



P.C.B LAYOUT (T=1.60mm)
COMPONENT SIDE

REV	1.Remove the spec of N:Non-Post & W:Winning Mark & A:>0.8u" 2. Modify plating specifications: Ni (40u" min.) — Ni (50u" min.) 3.Add Mechanical Function		
Units	mm	Scale	2 : 1
Tolerance Unless Otherwise Specified		Drawing By	Date
.X	~ ±0.35	ZK	06/15-'20
.XX	~ ±0.25	Reviewed By	Date
.XXX	~ ±0.15	LDF	06/17-'20
Angle	~ ± 3°	Approval By	Date
		Nancy	06/22-'20
		WIN WIN PRECISION IND. CO., LTD. D TEL: 886-2-22994155 FAX: 886-2-22994157	
Date	06/15-'20	Title	SATA 7+15P Standard SMT Type (Male)
Sheet	1 of 1		
Third Angle Projection		Drawing No.	WATA-007MN-AN-N031
		REV	H