



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

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

REV.	ECN.NO.	DATE
A	RELEASED	01/03-'14
D	Add the Tolerance: 5.78 → 5.78±0.05	07/14-'16
E	Add 'WinWin' Mark & Modify Notes	10/30-'17

**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(40u"Min) contact 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: 30mΩ max.  
 Insulation Resistance: 1000MΩ min.  
 Dielectric Withstanding Voltage: 500 V AC.

**\*Environmental**

Operating Temperature: -55°C to +85°C

**\*How to order**

WATHC-22DBL1BHW3  
 3:Tray 5:Reel  
 W:Wining Mark  
 Blank:No Mark  
 H:Halogen Free+RoHS Compliance  
 B:Brass  
 1:Black  
 L:LCP  
 B:SMT(Reverse Subside Type)(2.85)  
 Au A:>0.8u" B:5u" D:15u" F:30u"  
 Number of Contacts  
 Series No.

REV	Add 'WinWin' Mark & Modify Notes			Units	mm	Scale	2:1	Drawing By	Date	WIN WIN PRECISION IND. CO., LTD.					
								ZHW	10/30-'17	TEL: 886-2-22994155 FAX: 886-2-22994157					
								Reviewed By	Date	Date	10/30-'17	Sheet	1 of 1	Title	Serial ATA 7+15P SMT (Reverse Subside Type) Male(2.85)
								LDF	10/30-'17	Third Angle Projection					
								Approval By	Date			Drawing No.	WATHC-22PS-AN-W446	REV	E
								Nancy	11/03-'17						

PCB Layout  
COMPONENT SIDE