

REV.	DESCRIPTION	DATE
A	RELEASED	04/14-'03
H	Modify Dimension	08/30-'12
I	Modify Dimension	12/26-'14

Pin NO.	Power Name	Pin NO.	Power Name
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		

Pin NO.	Signal Name
S1	GND
S2	A+
S3	A-
S4	GND
S5	B-
S6	B+
S7	GND

NOTES:

***Material**

Housing: LCP, UL 94V-0 rated; Color: Black.
 Contact: Phosphor Bronze
 Plating: Au Plating On Contact Area, Sn(100u" Min.) Plating On Solder Tail, Ni(40u" Min.) Underplating Overall.
 Harpoon: Brass
 Plating: Sn(100u"Min)Plating Over Ni(50u"Min)

***Mechanical:**

Insertion Force: 45N Max.
 Withdrawal Force: 4N Min.
 Durability: 500 cycles

***Electrical Specification**

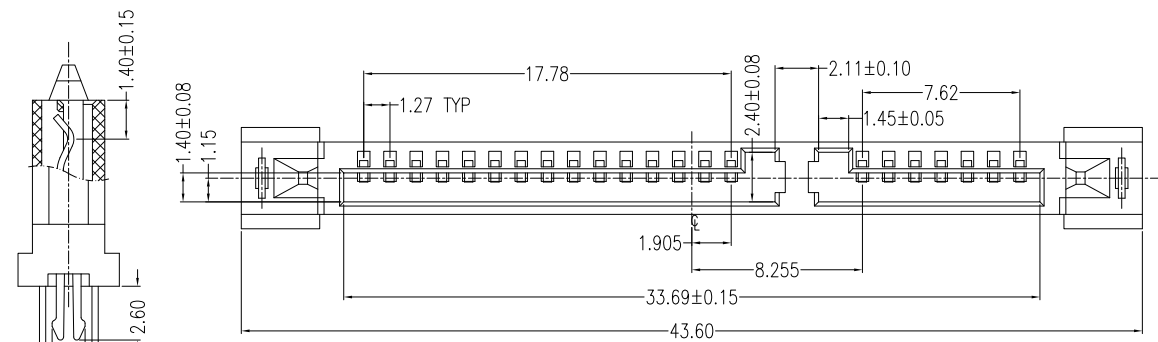
Operation Voltage: 100V AC Max.
 Current Rating: 1.5 Ampere per contact
 Contact Resistance: 30mQ Max.
 Insulation Resistance: 1000MΩ Min.
 Dielectric Withstanding Voltage: 500V AC

***Environmental**

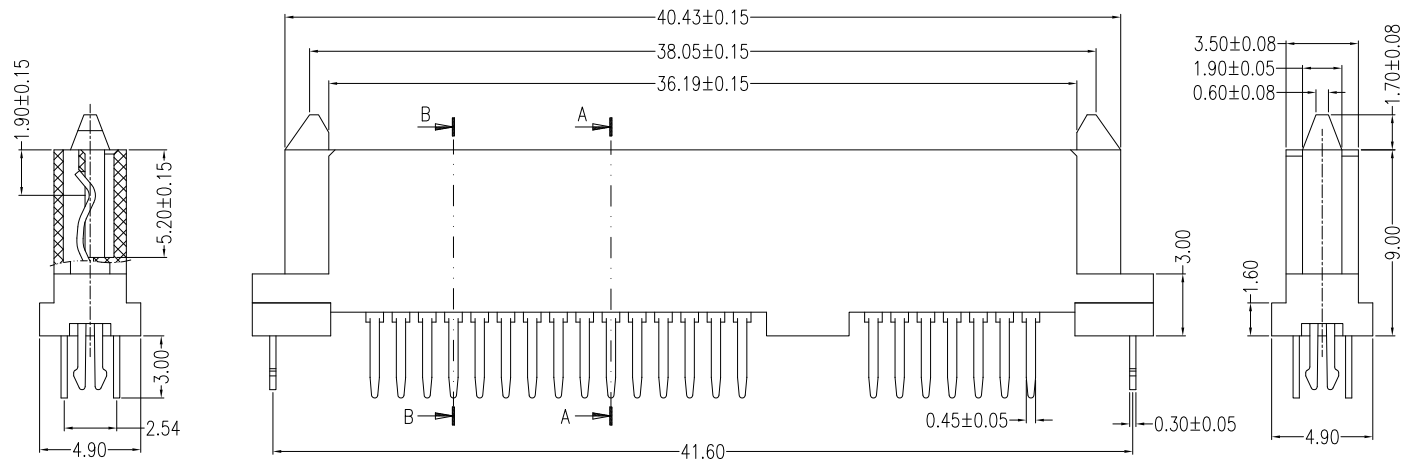
Operating Temperature: -55°C to +85°C

***How to Order:**

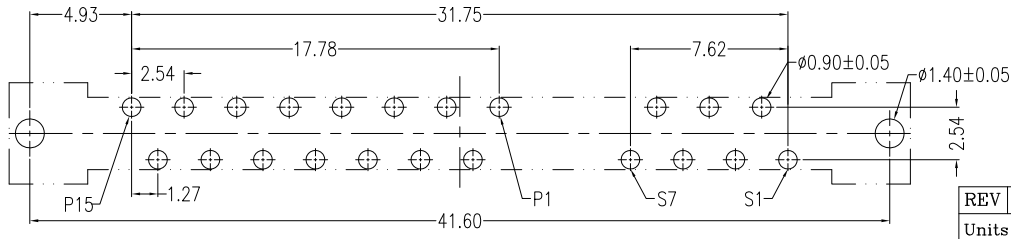
WATR-22DL1P1U
 W:Winning Mark; Blank:NO MARK
 U:Lead Free
 1:Standard(180°)(High10.70)
 Without Lock Key
 P:Phosphor Bronze
 1:Black
 L:LCP
 Au A:>0.8u" D:15u" F:30u"
 NO. Of Contacts
 Series No.



SECT B-B



SECT A-A



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

Units	mm	Scale	Drawing By	Date
			Sam	12/26-'14
Tolerance Unless Otherwise Specified				
	.X	~ ±0.35	Reviewed By	Date
	.XX	~ ±0.25	Rosh	12/26-'14
	.XXX	~ ±0.15	Approval By	Date
	Angle	~ ± 3°	Roger	12/30-'14

REV Modify Dimension: 3.18--3.00			
WINNING WIN WIN PRECISION IND. CO., LTD.			
TEL: 886-2-22994155 FAX: 886-2-22994157			
Date	12/26-'14	Title	Serial ATA 7+15P DIP 180° Without Lock Key Female
Sheet	1 of 1		
Third Angle Projection		Drawing No.	WATR-22PS-AN-NO24
		REV	I