

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	12/12/25	

SPECIFICATIONS:

Material:

Coding Housing: (LCP)Hi-Temp Thermoplastic, Color: Water Blue

Inner Housing: (LCP)Hi-Temp Thermoplastic, Color: Black

Contact: Brass

Outer Contact (Interface): Stainless Steel, Matte Tin plated

Outer Contact (PCB): Zamak, Matte Tin Plated

MQS Contact: Copper Alloy, Tin plated

Contact Plating:

Contact area: 6u" Min Gold Plated

Solder tails area: 80-160u" Matte Tin Plated

Underplate: 80-160u" Nickel underplate overall

Electrical:

Impedance: 50 ohms

Frequency: DC to 9 GHz

Return Loss:

25 dB Min (DC < f ≤ 3 GHz)

20 dB Min (3 GHz < f ≤ 6 GHz)

12 dB Min (6 GHz < f ≤ 9 GHz)

Insulation resistance: 1000 Mohms Min

Contact Resistance: 15 mohms Max (Initial), 40 mohms Max (After)

Dielectric withstanding voltage: 800 Vrms Max

Working voltage: 60V DC Max

Contact Power Current: 1A DC Max

MQS Contact Power Current: 5A DC Max @ 80°C

Mechanical:

Mating Cycles: 25 Cycles Min

Engagement force: 15N Max

Disengagement force: 2N Min

Retention Force Latch: 110N Min

Coding Efficiency: 150N Min

Thermal Shock& Humidity& Vibration& Mechanical Shock:

USCAR-2 & USCAR-17

EN 60512 & DIN IEC 60068

Soldering: IEC 60068-2

Temperature Rating:

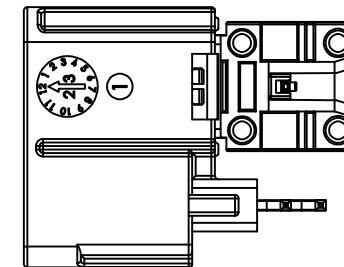
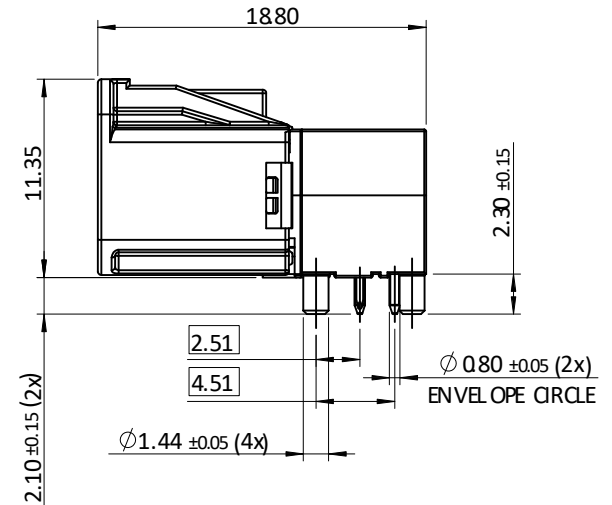
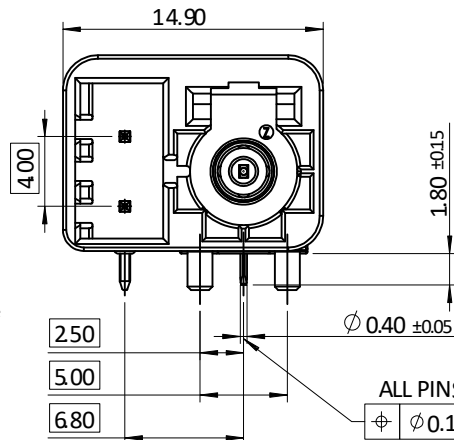
Operating temperature: -40°C to +105°C

Packing:

Standard: 150PCS in Tape& Reel

Environmental:

Lead free, RoHS compliant



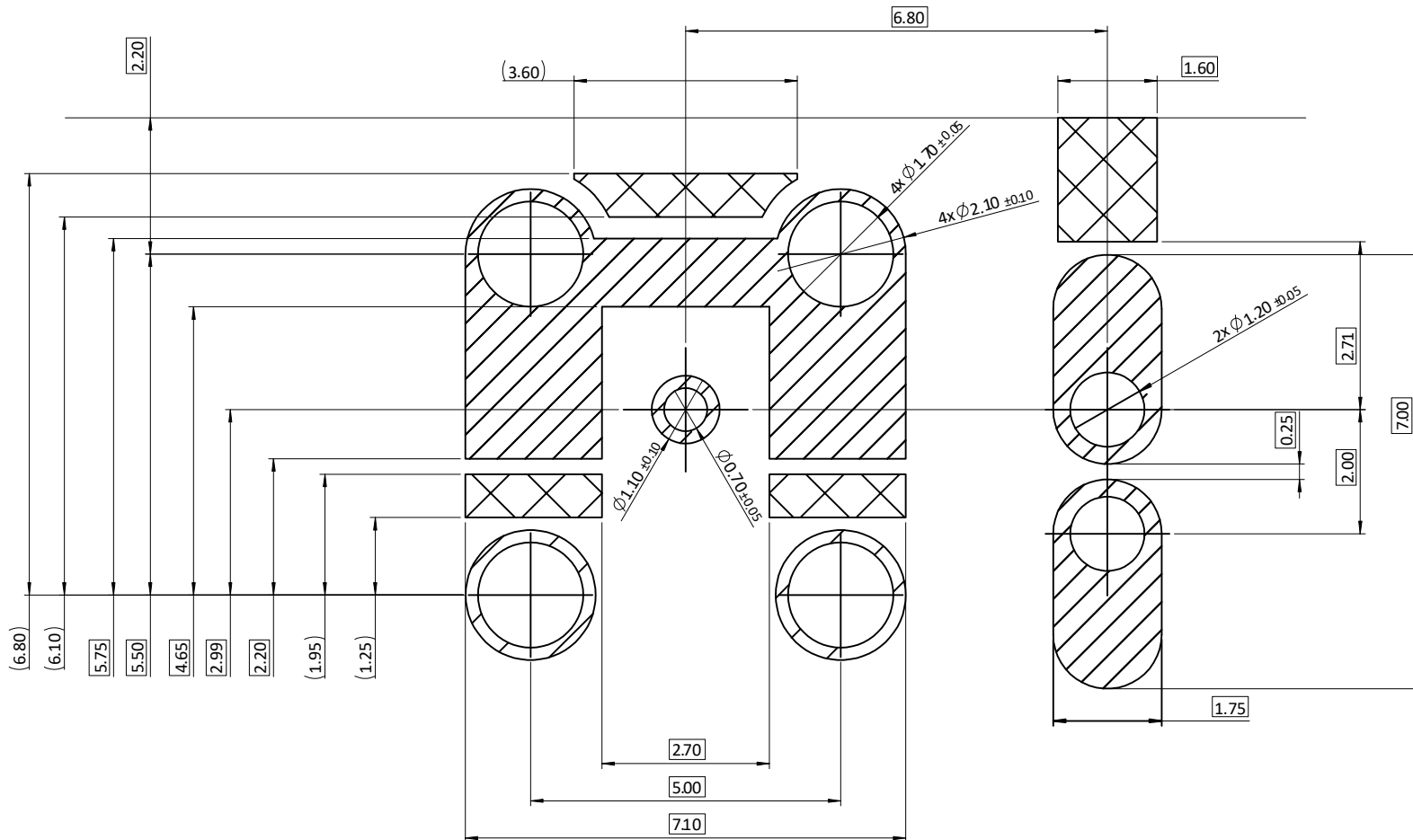
PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED			ADAM TECH 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 adam-tech.com		
MM	X. ± 0.50 .X ± 0.30 .XX ± 0.20	ANGLE ± 5°			
DRAWN	LW1	12/12/25	TITLE MINI FAKRA RIGHT ANGLE PLUG COLOR: WATER BLUE		
CHECKED	RC	12/12/25			
APPROVED					
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REF: S00013T			SCALE: NTS		SHEET 1 OF 2

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SEE SHT 1 OF 2 FOR REVISION				



RECOMMENDED PCB LAYOUT

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM	X. ± 0.50	ANGLE ± 5°
	.X ± 0.30	
	.XX ± 0.20	

DRAWN	LW1	12/12/25
CHECKED	RC	12/12/25
APPROVED		

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