

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/3/25	
A		UPDATE SPEC.	9/26/25	LW1/RC

D

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**SPECIFICATIONS:****Material:**

Housing: PA, Color: See Chart

Inner Housing: Hi-Temp Thermoplastic, Color: Black

Contact: Brass

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

Outer Contacts (PCB): Zamak, Matte Tin plated

Medal Plate: Stainless Steel

**Contact Plating:**Contact area: 80-160 $\mu$  Silver PlatedSolder tails area: 80-160 $\mu$  Matte Tin PlatedUnderplate: 40-160 $\mu$  Nickel underplate overall**Electrical:**

Impedance: 50 ohms

Frequency: DC to 9.0 GHz

**Return Loss:**

B 17 dB Min (0.08 GHz &lt; f ≤ 6 GHz)

12 dB Min (6 GHz &lt; f ≤ 9 GHz)

Insulation resistance: 1000 Mohms Min

Dielectric withstanding voltage: 800 Vrms AC Min for 1 minute

Voltage rating: 335 Vrms AC

Current rating: 1A Max

Center Contact Resistance: 15 mohms Max

Outer Contact Resistance: 7.5 mohms Max

**Mechanical:**

Durability: 25 Cycles Min

Engagement force: 75N Max

Retention Force Latch: 110N Min

Mismating Orientation Effectiveness: 130N Min

**Environmental:**

Thermal Shock &amp; Humidity: USCAR-2

Vibration &amp; Mechanical Shock: DIN IEC 60068

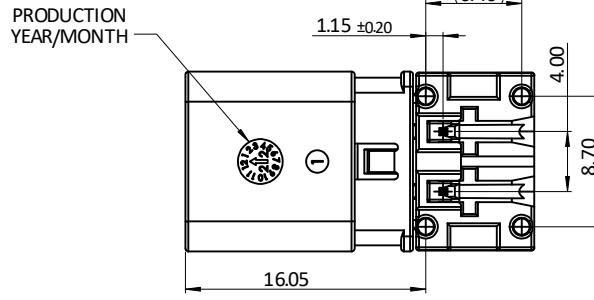
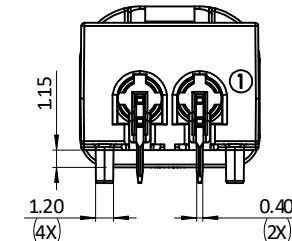
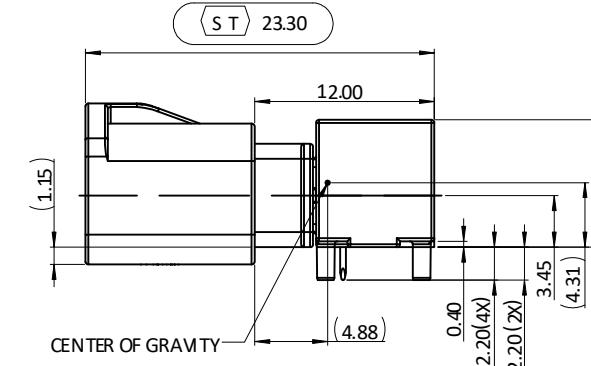
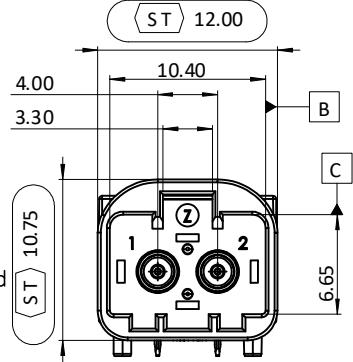
Soldering: IEC 60068-2

**Temperature Rating:**

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

**Packing:**

Standard: 320PCS in Tape &amp; Reel A

**Environmental:**Lead free, RoHS compliant 

PACKAGED ON TAPE &amp; REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS  
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTEDMM  $\pm$  0.50  
.X  $\pm$  0.30  
.XX  $\pm$  0.20 ANGLE  $\pm$  5°

DRAWN LW1 9/3/25

CHECKED RC 9/3/25

APPROVED

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TITLE: MINI FAKRA RIGHT ANGLE 1X2 PLUG

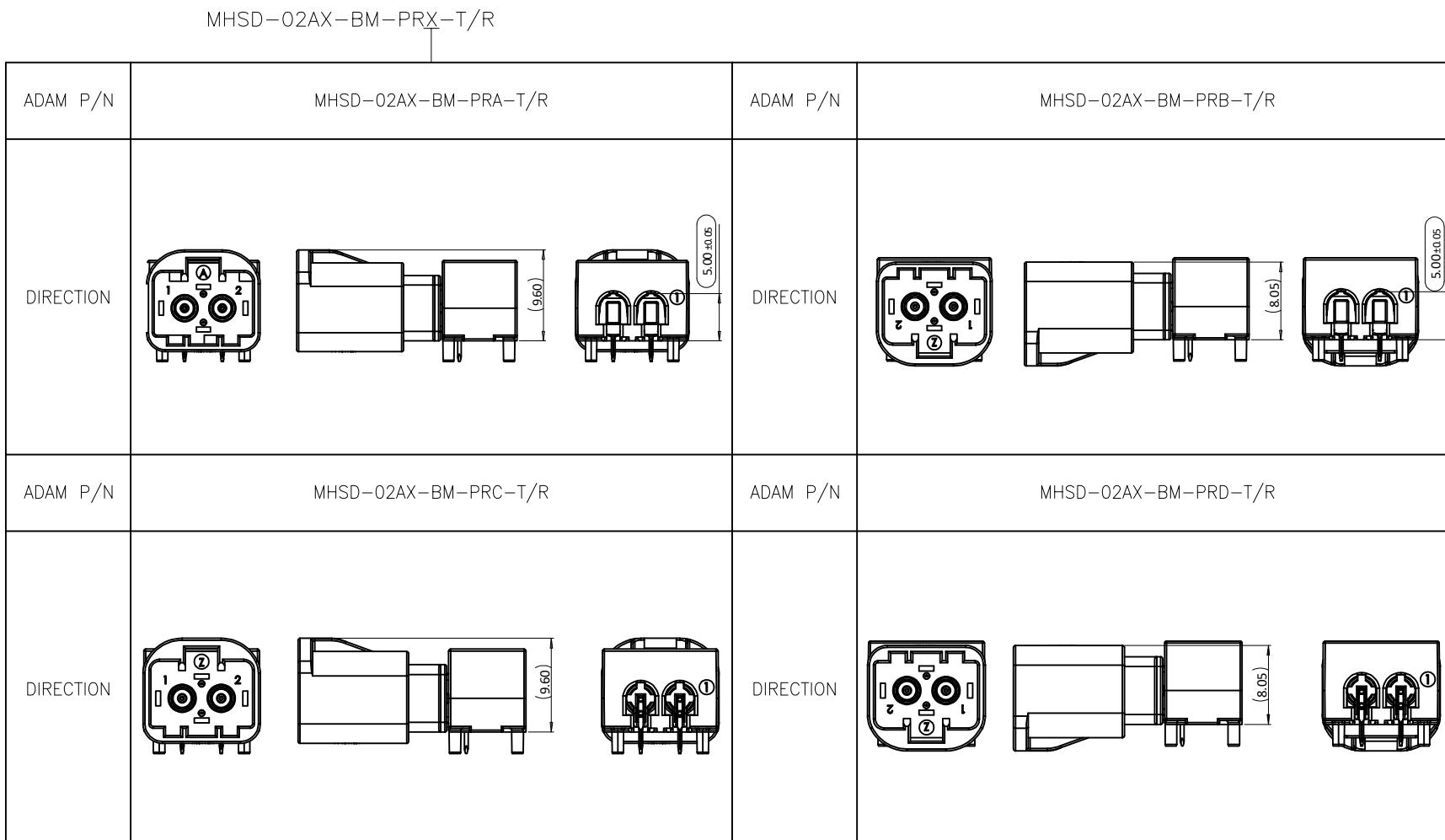
SIZE	PART NO.	REV.
X	MHSD-02AX-BM-PRX-T/R	A
REF: S00013T	SCALE: NTS	SHEET 1 OF 3



APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

SEE SHT 1 OF 3 FOR REVISION

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

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

DRAWN    LW1    9/3/25

CHECKED    RC    9/3/25

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MINI FAKRA RIGHT ANGLE 1X2 PLUG

SIZE	PART NO.	REV.
X	MHSD-02AX-BM-PRX-T/R	A
REF:	S00013T	SCALE: NTS
		SHEET 3 OF 3

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