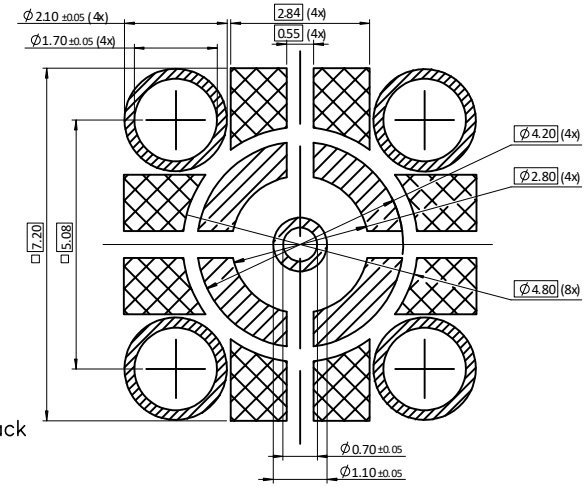
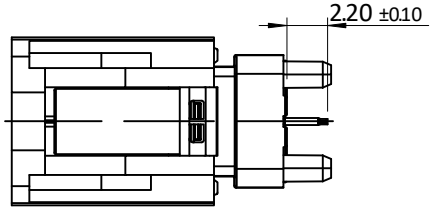
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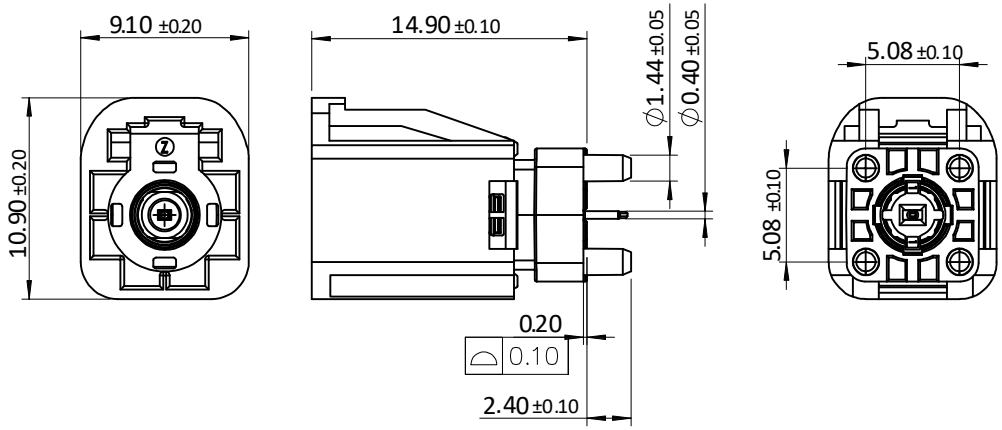
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Rev	AWO #	Description	Date	Appr
-		RELEASED	9/3/25	
A		UPDATE SPEC.	9/26/25	LW1/RC
B		UPDATE SPEC.	2/3/26	LW1/RC



RECOMMENDED PCB LAYOUT





SPECIFICATIONS:

Material:
Housing: PA, Color: See Chart
Inner Housing: Hi-Temp Thermoplastic, Color: Black
Contact: Copper Alloy
Contact Cylinder: Copper Alloy, Matte Tin plated
Outer Contacts (PCB): Zamak, Matte Tin plated

Contact Plating:
Contact area: 6u" Gold Plated
Solder tails area: 80-160u" Matte Tin Plated
Underplate: 40-160u" Nickel underplate overall

Electrical:
Impedance: 50 ohms
Frequency: DC to 9.0 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
Dielectric withstanding voltage: 800 Vrms AC Min for 1 minute
Voltage rating: 335 Vrms AC
Current rating: 1A Max
Center Contact Resistance: 10 mohms Max
Outer Contact Resistance: 5 mohms Max (B)

Mechanical:
Durability: 25 Cycles Min
Engagement force: 15N Max
Retention Force: 110N Min
Coding Efficiency: 150N Min
Mismating Orientation Effectiveness: 150N Max

Environmental:
Thermal Shock& Humidity& Vibration& Mechanical Shock:
USCAR-2 & USCAR-17
DIN EN 60512 & DIN IEC 60068
Soldering: IEC 60068-2

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

Packing:
Standard: 120PCS in Tape& Reel (A)

Environmental:
Lead free, RoHS compliant RoHS COMPLIANT

PACKAGED ON TAPE & REEL

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
APPROVED		

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TITLE

MINI FAKRA STRAIGHT PLUG

SIZE	PART NO.	REV.
X	MHSD-01X-AM-PT-PP-T/R	B

REF: S00013T | SCALE: NTS | SHEET 1 OF 2

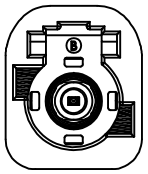
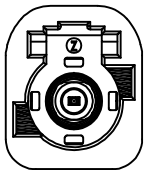
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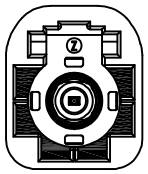
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

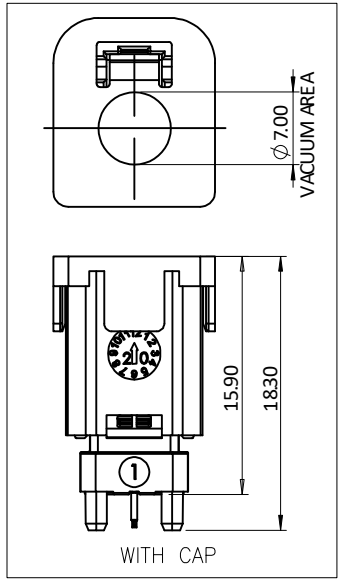
APPROVED: _____

DATE: _____ TITLE: _____

MHSD-01X-AM-PT-PP-T/R

Coding	A	B	C	D	E	F	G
Plug							
Color	JET BLACK	PURE WHITE	LIGHT BLUE	CLARET VIOLET	MAY GREEN	NUT BROWN	PLATINUM GREY

Coding	H	J	K	N	Z
Plug					
Color	LIGHT PINK	BEIGE	CURRY	PASTEL GREEN	WATER BLUE



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

DRAWN	LW1	9/3/25
CHECKED	RC	9/3/25
APPROVED		

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TITLE

MINI FAKRA STRAIGHT PLUG

SIZE	PART NO.	REV.
X	MHSD-01X-AM-PT-PP-T/R	B

REF:	SCALE:	SHEET
S00013T	NTS	2 OF 2

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