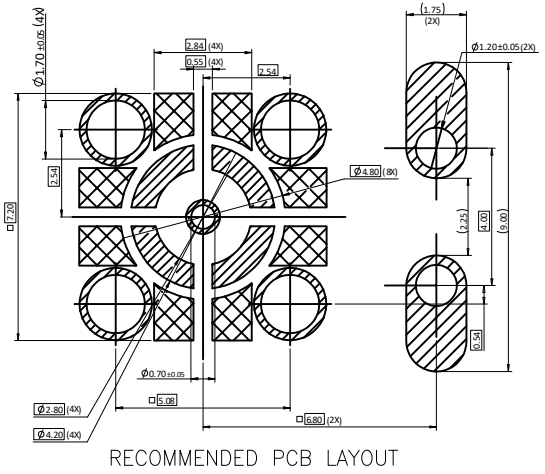
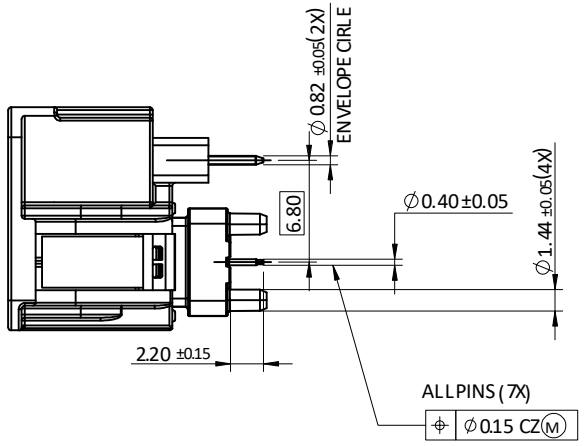
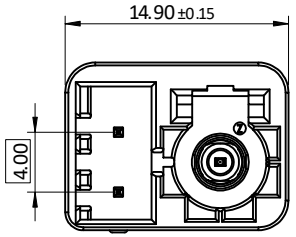
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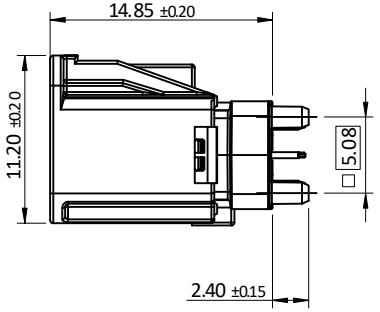
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Rev	AWO #	Description	Date	Appr
-		RELEASED	9/3/25	
A		UPDATE SPEC.	9/26/25	LW1/RC
B		UPDATE SPEC.	2/3/26	LW1/RC









SPECIFICATIONS:

Material: ⚠B

Coding Housing: (PA9T)Hi-Temp Thermoplastic, Color: See Chart
Inner Housing: Hi-Temp Thermoplastic, Color: Black
Contact: Copper Alloy
Outer Contact (Shell): Zinc Alloy, Tin Plated
MQS Contact: Copper Alloy, Tin plated

Contact Plating:

Contact area: 6u" Gold Plated
Solder tails area: 80-160u" Matte Tin Plated
Underplate: 80-160u" 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
Contact Resistance: 15 mohms Max (Inital), 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: ⚠B

Durability: 25 Cycles Min
Engagement force: 25N Max
Disengagement force: 5N Min
Retention Force Latch: 110N Min
Coding Efficiency: 150N Min

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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909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
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TITLE

MINI FAKRA STRAIGHT PLUG

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

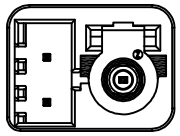
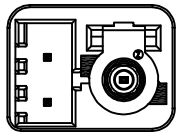
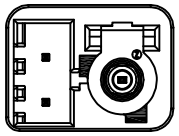
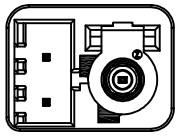
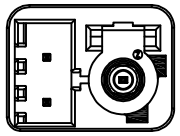
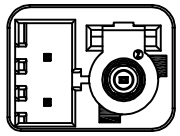
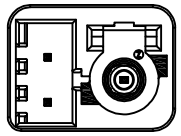
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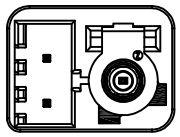
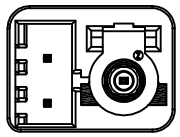
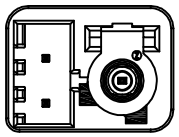
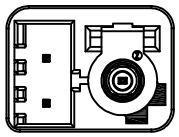
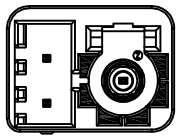
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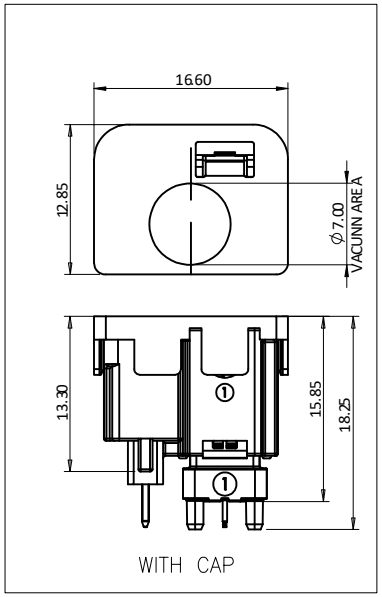
Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

APPROVED: _____

DATE: _____ TITLE: _____

Coding	A	B	C	D	E	F	G
Plug							
Color	JET BLACK	PURE WHITE	LIGHT BLUE	BORDEAUX 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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909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
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TITLE

MINI FAKRA STRAIGHT PLUG

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

REF:	SCALE:	SHEET
S00013T	NTS	2 OF 2

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