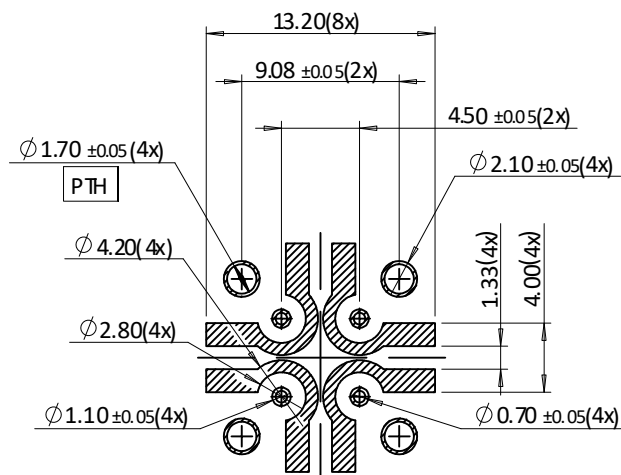


APPROVED: _____

DATE: _____ TITLE: _____

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



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

Coding Housing: PA, Color: See Chart
Inner Housing: Hi-Temp Thermoplastic, Color: Black
Contact: Copper Alloy
Outer Contact: Zinc Alloy, Matte 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 GHz
Return Loss: 25db Min, DC to 3 GHz Max
20db Min, >3 GHz to 6 GHz Max
12db Min, >6 GHz to 9 GHz Max
Insulation resistance: 1000 Mohms Min @ 100V DC
Dielectric withstanding voltage: 800 Vrms AC Min @ 60Hz
Voltage Rating: 335 Vrms AC
Current Rating: 1A Max
Contact Resistance: 15mohms Max

Mechanical:

Mating Cycles: 5 Cycles Min
Engagement force: 75N Max
Retention Force Latch: 110N Min
Coding Efficiency: 200N Min
Temperature Rating:
-40°C to +105°C

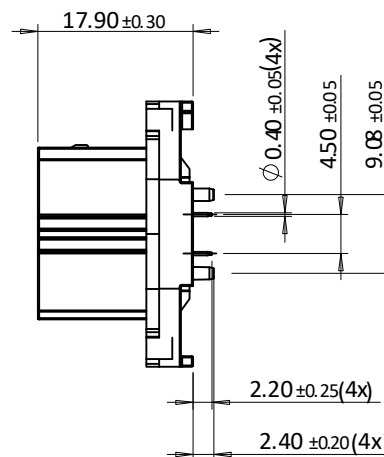
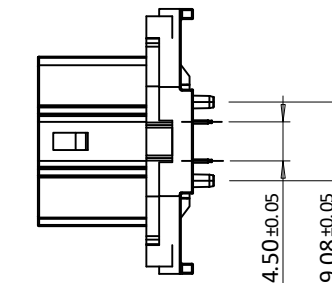
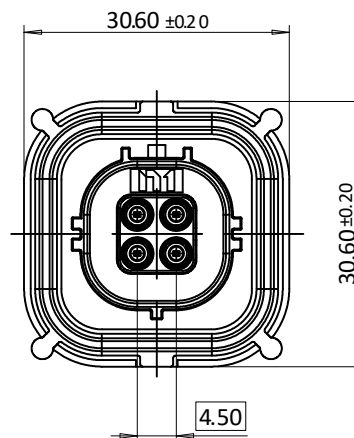
Packing:

Standard: 55PCS in Tape & Reel

Environmental:

Waterproof: IP69K

Lead free, RoHS compliant



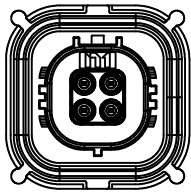
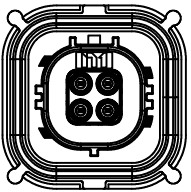
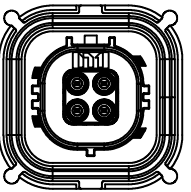
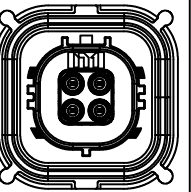
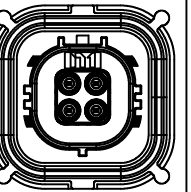
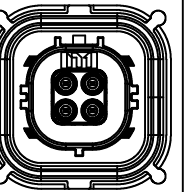
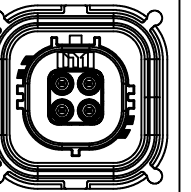
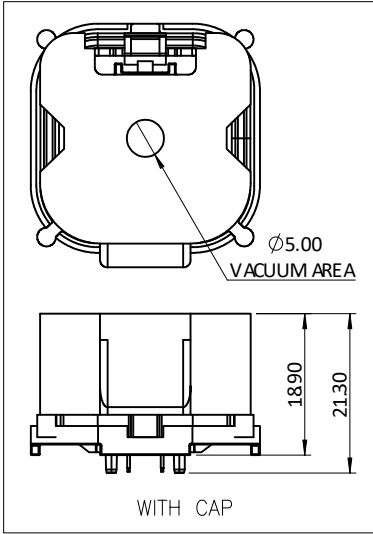
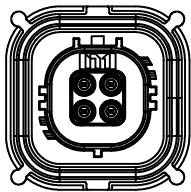
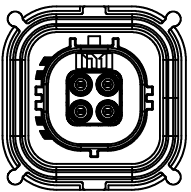
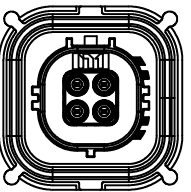
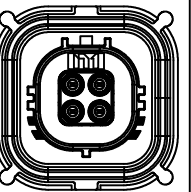
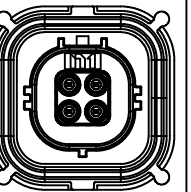
PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED					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	9/3/25			
CHECKED		RC	9/3/25			
APPROVED						
CONFIDENTIAL AND PROPRIETARY © Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.						
SIZE X		PART NO. MHSD-04X-AM-PT-WP-PP-T/R		REV A		
REF: S00013T		SCALE: NTS		SHEET 1 OF 2		

APPROVED: _____

DATE: _____ TITLE: _____

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

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		

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 9/3/25

CHECKED RC 9/3/25

APPROVED

CONFIDENTIAL AND PROPRIETARY
© Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.

**ADAM
TECH**

909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE MINI FAKRA STRAIGHT PLUG WATERPROOF: IP69K			
SIZE X	PART NO. MHSD-04X-AM-PT-WP-PP-T/R	REV. A	
REF: S00013T	SCALE: NTS	SHEET 2 OF 2	