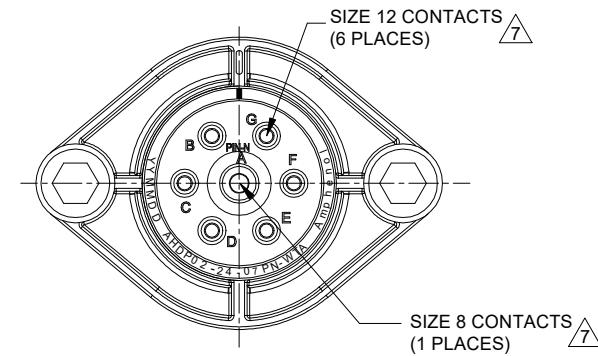
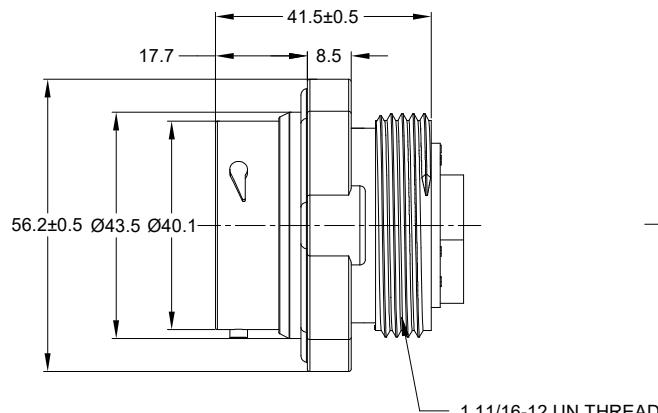
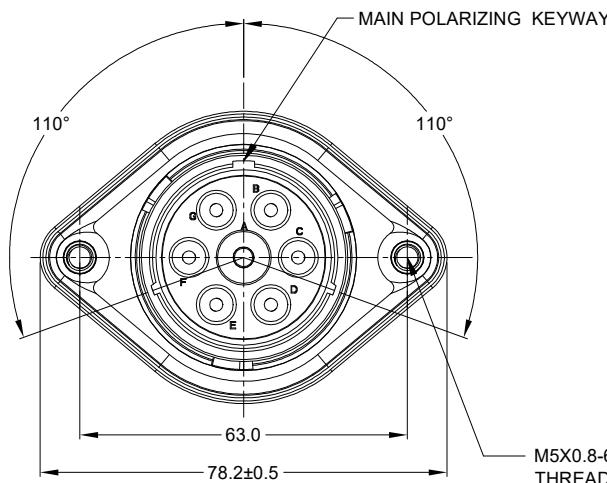


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	16/JUL/20	LOUIE	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
HOUSING: THERMOPLASTIC; BLACK  
SEAL: SILICONE RUBBER  
THREADED INSERT: STAINLESS STEEL
2. MODIFICATIONS: WIDE THREADED ADAPTER (WTA);  
STANDARD DIA. WIRE SEAL;  
SEALED PANEL MOUNT

3. SPECIFICATIONS:

- 3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
- 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMS CURRENT LEAKAGE @ 1500 VOLTS AC.
- 3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
- 3.4 MOISTURE RESISTANCE: IP67&IP69K ( MATED CONDITION ).
- 3.5 MATING CYCLE DURABILITY: 100 CYCLES
- 3.6 RoHS COMPLIANT

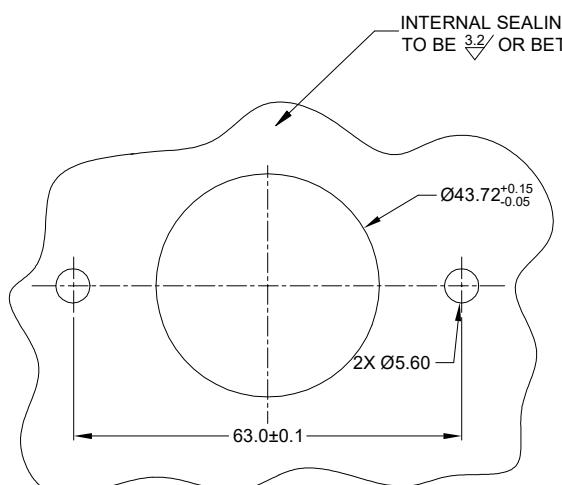
4. MATING PART: AHDP06-24-07S\* (\* = SEAL TYPE )

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6. RECEPTACLE IS SUPPLIED WITH DUST CAP (NOT SHOW)

7 CONTACT SIZE AND WIRE RANGE:

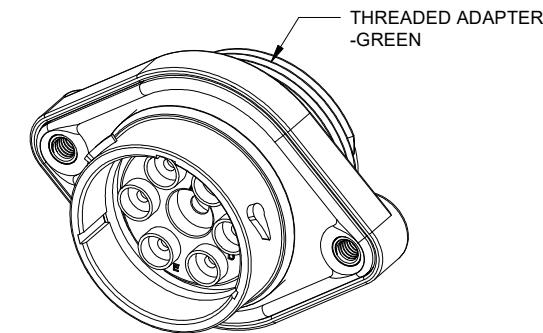
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
8	4.83 mm (.190 in)	6.10 mm (.240 in)	7-10 AWG (10.0-5.0 mm²)	80 AMPS
12	3.40 mm (.134 in)	4.32 mm (.170 in)	10-14 AWG (6.0-2.0 mm²)	25 AMPS



RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS: 1.6 TO 4.7MM

PART NUMBER			DESCRIPTION		
QUANTITY			MATERIALS LIST		
1	UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	<b>Amphenol</b>	
	1) All dimensions are in metric(mm).	DRAWN:	LOUIE	Sine Systems - www.amphenol-sine.com	
	2) Tolerances are as follows:	CHECKED:	16/JUL/20	44724 Morley Drive	
	1 PL. DEC ±0.30   Fractions ±1/64	ORION	17/JUL/20	Clinton Township, MI 48036	
	2 PL. DEC ±0.15   Angles ±1°	ENGINEER:			
	3 PL. DEC ±0.06	APPROVAL:	TOMMY		
	3) Note reference =	CUSTOMER:	20/JUL/20		
		MATERIAL SPECIFICATIONS:			
		PROCESS SPECIFICATIONS:			
		NEXT ASS'Y:			
SIZE	TYPE	DWG NO.	REVISION		
B	C-	AHDP02-24-07PN-WTA	A1		
SCALE	NONE	DURAMATE	SHEET	1	OF 1



## A Series™ - Contact Size 8 Options (Works with: DuraMate Series - 24-07 Layout Only)

RADSOK® Machined Contacts, Pins and Sockets					
Part Number	Description	Size	AWG	Type	Amps
SC000345	Male Contact - Pin, Copper Alloy, Silver-Plated	8	8	RADSOKE® Machined	80A
SC000346	Female Contact - Socket, Copper Alloy, Silver-Plated	8	8	RADSOKE® Machined	80A

Tooling - Machined Contacts	
Part Number	Description
WA23	Heavy Duty Pneumatic Crimp Tool -Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961
WA23-2	Die Assembly -for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 8
WA23-10	Contact Locator, Size 8
96-978-22	Crimper and Dies -for Size 10mm <sup>2</sup> -185mm <sup>2</sup> Wires
AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG

## A Series™ - Contact Size 12 Options (Works with: AHD-6, ATP, ATHD, DuraMate and PanelMate Series)

Machined Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
*AT60-204-12141-10	Male Contact - Pin, Nickel-plated	12	10-12	Machined
*AT62-203-12141-10	Female Contact - Socket, Nickel-plated	12	10-12	Machined
AT60-220-1231	Male Contact - Pin, Gold-plated	12	12-14	Machined
AT62-210-1231	Female Contact - Socket, Gold-plated	12	12-14	Machined
AT60-204-12141	Male Contact - Pin, Nickel-plated	12	12-14	Machined
AT62-203-12141	Female Contact - Socket, Nickel-plated	12	12-14	Machined

\*Works with ATP Series only

Stamped & Formed Contacts, Sockets & Pins				
Part Number	Description	Size	AWG	Type
AT60-12-0244	Male Contact - Pin, Gold-plated	12	10-12	Stamped & Formed
AT62-12-0244	Female Contact - Socket, Gold-plated	12	10-12	Stamped & Formed
AT60-12-0222	Male Contact - Pin, Nickel-plated	12	10-12	Stamped & Formed
AT62-12-0222	Female Contact - Socket, Nickel-plated	12	10-12	Stamped & Formed
AT60-12-0144	Male Contact - Pin, Gold-plated	12	12-14	Stamped & Formed
AT62-12-0144	Female Contact - Socket, Gold-plated	12	12-14	Stamped & Formed
AT60-12-0166	Male Contact - Pin, Nickel-plated	12	12-14	Stamped & Formed
AT62-12-0166	Female Contact - Socket, Nickel-plated	12	12-14	Stamped & Formed

DiagnosticGrade™ Machined Contacts, Sockets & Pins				
• Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective				
Part Number	Description	Size	AWG	Type
65-54749	Male Contact - DiagnosticGrade™, Pin, Gold-plated	12	20	Machined
AT62-210-1231-1820	Female Contact - DiagnosticGrade™, Socket, Gold-plated	12	20	Machined

Tooling - Machined Contacts				
Part Number	Description			
CA-5D12	Universal Hand Crimp Tool, Size 12/16/20			
CA-5E12	Pneumatic Crimp Tool, Size 12/16/20			
M300-25A	Hand Crimp Tool used with Crimp Locator MFX-3966, Size 12, 10AWG			
MFX-3966	Contact Locator used with Hand Crimp Tool M300-25A, Size 12, 10AWG			

Contact Removal Tools (For both Machined or Stamped & Formed Contacts)				
Part Number	Description			
ATRT-100	Contact and Wedgelock Extraction Tool			
AT11-337-1205	Contact Removal Tool, Plastic, Size 12			

Sealing Plugs (For both Machined or Stamped & Formed Contacts)				
Part Number	Description			
A114017	Sealing Plug, Size 12, White			

Tooling - Stamped & Formed Contacts				
Part Number	Description			
MFX-3973	Crimp Die - Size 12			
MFX-3985	Crimp Die - Ssize 12, 10-12AWG -02XX Series			
ATT-12-00	Hand Crimp Tool - Size 12, 12AWG			
ATT-12-01	Hand Crimp Tool - Size 12, 10AWG			