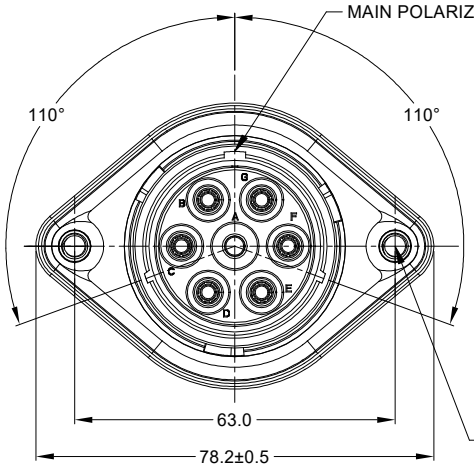
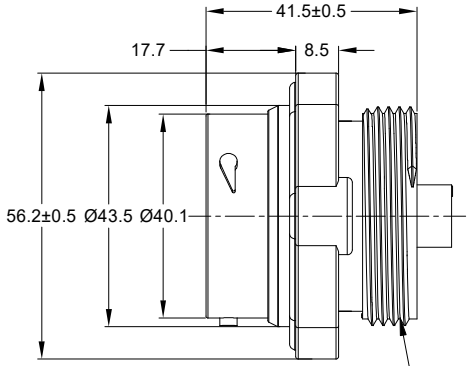
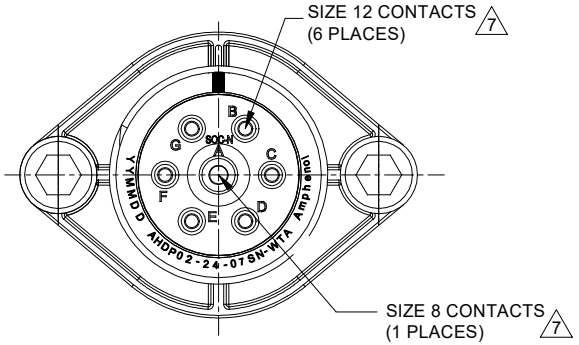
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	RELEASE NEW DRAWING	16/JUL/20	LOUIE	TOMMY







M5X0.8-6H 8mm(2X) DEEP THREADED INSERT

RECOMMENDED TORQUE VALUES: 1.9-2.2 N.m

1 11/16-12 UN THREAD

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 MILLIAMPS 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

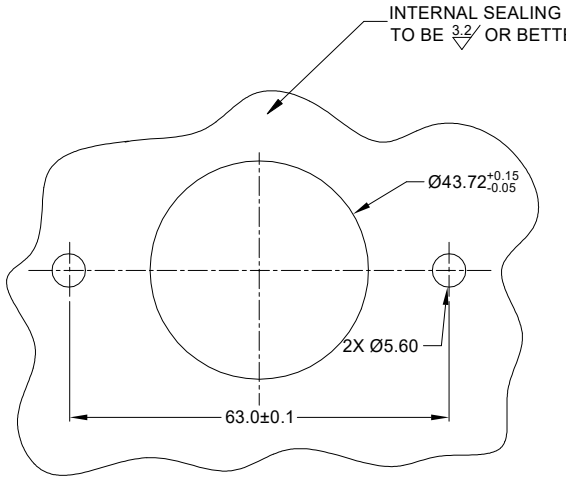
4. MATING PART: AHDP06-24-07P* (* = SEAL TYPE)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

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

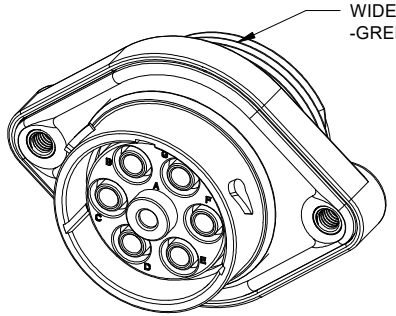
7 CONTACT SIZE AND WIRE RANGE:

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



RECOMMENDED PANEL MOUNTING HOLE

RECOMMENDED PANEL THICKNESS:1.6 TO 4.7MM



	AHDP02-24-07SN-WTA		
	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST		

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	LOUIE	16/JUL/20
CHECKED:	ORION	17/JUL/20
ENGINEER:		
APPROVAL:	TOMMY	20/JUL/20
CUSTOMER:		

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Amphenol

Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

7 POS, RECEPTACLE, SOCKET, PANELMATE
AHDP SIZE 24, NORMAL SEAL, SRA

SIZE	TYPE	DWG NO:	REVISION
B	C-	AHDP02-24-07SN-WTA	A1

SCALE: NONE | DURAMATE | SHEET 1 OF 1

TITLE: 7 POS, RECEPTACLE, SOCKET, PANELMATE AHDP SIZE 24, NORMAL SEAL, SRA
DWG NO: AHDP02-24-07SN-WTA
REV: A1
SH: 1
OF: 1

MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

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

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	**Part Number**	**Description**
	CA-5D12	Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only)
	CA-5E12	Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)

Contact Removal Tools		
Part	**Part Number**	**Description**
	AT11-337-1205	Contact Removal Tool, Plastic, Size 12
	A114017	Sealing Plug, Size 12, White

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

Tooling - Stamped & Formed Contacts		
Part	**Part Number**	**Description**
	MFX-3973	Crimp Die - Size 12 (S&F contacts only)
	MFX-3985	Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series
	ATT-12-00	Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)
	ATT-12-01	Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)

Amphenol Sine Systems
44724 Morley Drive
Clinton Township, MI 48036 USA
www.amphenol-sine.com
01/2022

DuraMate™ ATHD Series™ - Contact Size 8 Options

Machined Contacts, Pins and Sockets					
Part Number	**Description**	**Size**	**AWG**	**Type**	**Amps**
AT60-204-08141	Male Contact - Pin, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A
AT62-203-08141	Female Contact - Socket, Copper Alloy, Nickel-Plated	8	8-10	Machined	60A

Tooling - Machined Contacts		
Part	**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 10mm²-185mm² Wires

Contact Removal Tools		
Part	**Part Number**	**Description**
	AT114008	Contact Removal Tool, Plastic, Size 8, 8-10AWG

Amphenol Sine Systems
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12/2021