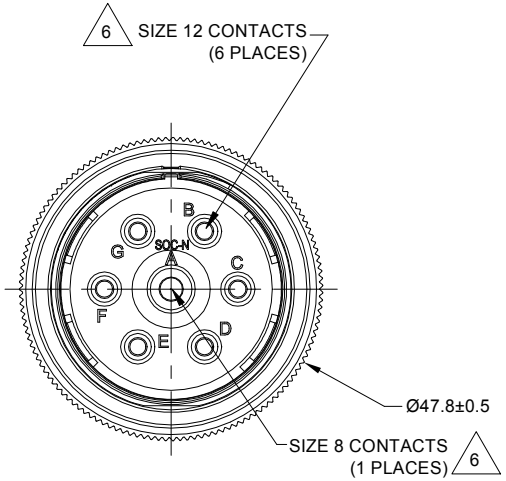
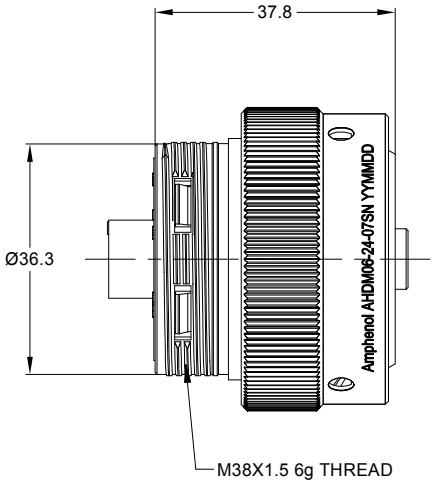
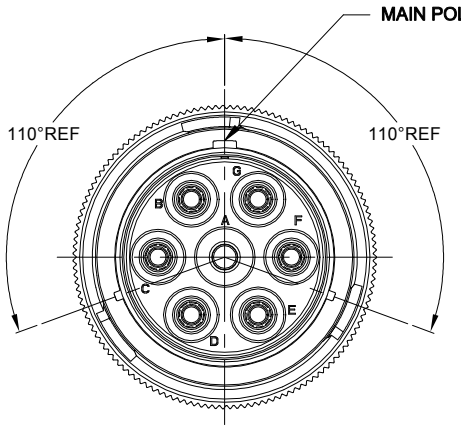
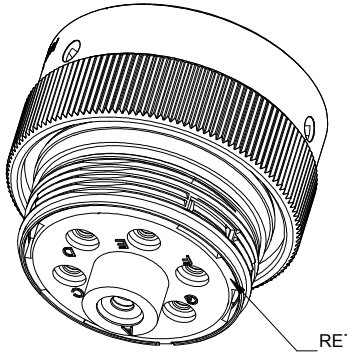
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | – | RELEASE NEW DRAWING | 17/OCT/18 | BROOK | TOMMY |
| A2 | – | ADD MORE MATERIAL NOTES | 24/OCT/18 | BROOK | TOMMY |




**NOTES: UNLESS OTHERWISE SPECIFIED**

1. MATERIAL:
   SHELL: ZINC ALLOY, NICKEL PLATED
   COUPLING RING: ALUMINUM ALLOY, NICKEL PLATED
   INSERT AND RETAINING RING: THERMOPLASTIC
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: THREADED HOUSING; NORMAL DIA. SEAL

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

4. MATING PART: AHDM04-24-07P* ( * = SEAL TYPE )

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 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) | 6.40 mm (.240 in) | 7-10 AWG | 80 AMPS |
| 12 | 3.40 mm (.134 in) | 4.32mm (.170 in) | 10-14 AWG | 25 AMPS |

| | AHDM06-24-07SN | | |
|---|---|---|---|
| | 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: | BROOK | 24/OCT/18 |
| CHECKED: | ORION | 24/OCT/18 |
| ENGINEER: | | |
| APPROVAL: | TOMMY | 24/OCT/18 |
| CUSTOMER: | | |

THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.

Amphenol

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

PLUG, 24 SZ 07 SOC, N, WIDE THD

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | AHDM06-24-07SN | A2 |

SCALE: NONE SHEET 1 OF 1

TITLE: PLUG, 24 SZ 07 SOC, N, WIDE THD
DWG NO: AHDM06-24-07SN
REV: A2
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**<br>• 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<br>(Machined contacts only) |
|  | CA-5E12 | Pneumatic Crimp Tool, Size 12/16/20<br>(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<br>-Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961 |
|  | WA23-2 | Die Assembly<br>-for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 8 |
|  | WA23-10 | Contact Locator, Size 8 |
|  | 96-978-22 | Crimper and Dies<br>-for Size 10mm²-185mm² Wires |

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

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12/2021