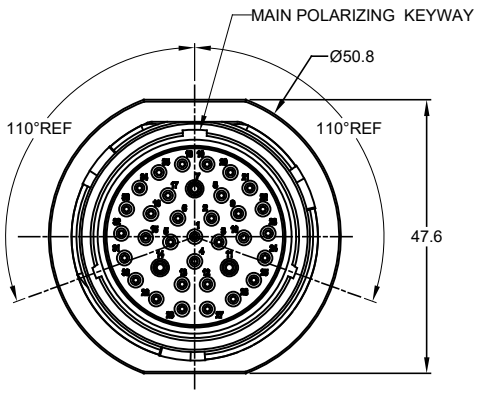
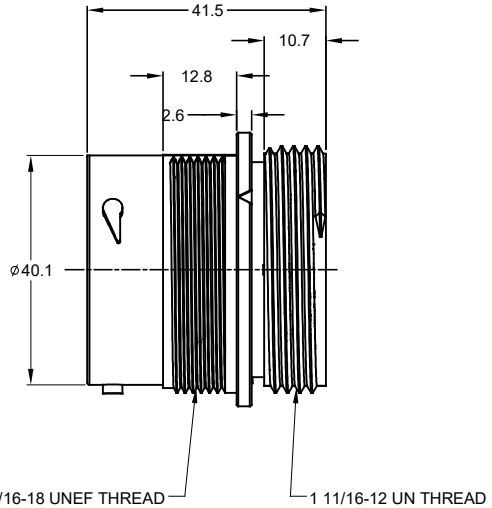
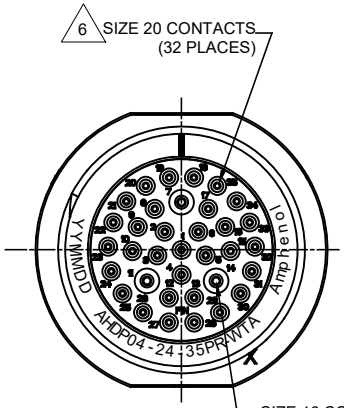
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | -- | RELEASE NEW DRAWING | 29DEC17 | RIMON | TOMMY |
| A2 | C0870S | Change the appearance of the retaining ring | 27JUN18 | KASOON | TOMMY |




NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; BLACK
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: THREADED ADAPTER;
   REDUCED DIA. WIRE SEAL

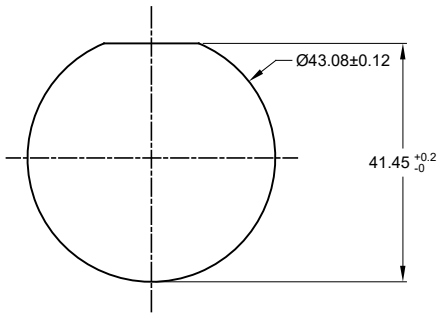
3. SPECIFICATIONS:
   3.1 OPERATING TEMPERATURE:-55℃ TO +125℃.
   3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25℃.
   3.4 MOISTURE RESISTANCE: IP67&IP69K ( MATED CONDITION ).
   3.5 MATING CYCLE DURABILITY: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

4. MATING PART: AHDP06-24-35S* ( * = 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 |
|---|---|---|---|---|
| 20 | 1.02 mm (.040 in) | 2.41 mm (.095 in) | 16-22 AWG | 7.5 AMPS |
| 16 | 1.35 mm (.053in) | 3.05 MM (.120 IN) | 14-20 AWG | 13 AMPS |




RECOMMENDED PANEL
MOUNTING HOLE

RECOMMENDED PANEL
THICKNESS:1.6 TO 4.7MM




| | AHDP04-24-35PR-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
2 PL DEC ±0.15
3 PL DEC ±0.08
Fractions ±1/64
Angles ±1°
3) Note reference = A

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | KASOON | 27JUN18 |
| CHECKED: | ORION.LI | 27JUN18 |
| ENGINEER: | | |
| APPROVAL: | TOMMY.XIE | 27JUN18 |
| CUSTOMER: | | |

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Amphenol

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

RECEPTACLE,24-35 POS, PIN CONTACT
REDUCED DIA. SEAL, AHDP SERIES

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | AHDP04-24-35PR-WTA | A2 |

SCALE: NONE SHEET 1 OF 1

TITLE: RECEPTACLE,24-35 POS, PIN CONT, REDUCED DIA SEAL, AHDP
DWG NO: AHDP04-24-35PR-WTA
REV: A2
SH: 1
OF: 1

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# **ATM Series™** - Contact Size 20 Options

| Machined Contacts, Sockets & Pins | | | | |
|---|---|---|---|---|
| **Part Number** | **Description** | **Size** | **AWG** | **Type** |
| AT60-010-2031 | Male Contact - Pin, Gold-plated | 20 | 16-18 | Machined |
| AT62-005-20141 | Female Contact - Socket, Gold-plated | 20 | 16-18 | Machined |
| AT60-010-20141 | Male Contact - Pin, Nickel-plated | 20 | 16-18 | Machined |
| AT62-005-2031 | Female Contact - Socket, Nickel-plated | 20 | 16-18 | Machined |
| AT60-202-2031 | Male Contact - Pin, Gold-plated | 20 | 20-22 | Machined |
| AT62-201-2031 | Female Contact - Socket, Gold-plated | 20 | 20-22 | Machined |
| AT60-202-20141 | Male Contact - Pin, Nickel-plated | 20 | 20-22 | Machined |
| AT62-201-20141 | Female Contact - Socket, Nickel-plated | 20 | 20-22 | 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** |
|  | ATRT-100 | Used for removal of contacts for A Series™ products |
|  | AT11-240-2005 | Contact Removal Tool, Plastic, Size 20 |
|  | AT13-204-2005 | Sealing Plug, Size 20, White |

| Stamped & Formed Contacts, Sockets & Pins | | | | |
|---|---|---|---|---|
| **Part Number** | **Description** | **Size** | **AWG** | **Type** |
| AT60-20-0144 | Male Contact - Pin, Gold-plated | 20 | 16-22 | Stamped & Formed |
| AT62-20-0144 | Female Contact - Socket, Gold-plated | 20 | 16-22 | Stamped & Formed |
| AT60-20-0244 | Male Contact - Socket, Gold-plated | 20 | 16-22 | Stamped & Formed |
| AT62-20-0244 | Female Contact - Socket, Gold-plated | 20 | 16-22 | Stamped & Formed |
| AT60-20-0122 | Male Contact - Pin, Nickel-plated | 20 | 16-22 | Stamped & Formed |
| AT62-20-0122 | Female Contact - Socket, Nickel-plated | 20 | 16-22 | Stamped & Formed |
| AT60-20-0222 | Male Contact - Socket, Nickel-plated | 20 | 16-22 | Stamped & Formed |
| AT62-20-0222 | Female Contact - Socket, Nickel-plated | 20 | 16-22 | Stamped & Formed |
| AT60-20-0277 | Male Contact - Socket, Tin-plated | 20 | 16-22 | Stamped & Formed |
| AT62-20-0277 | Female Contact - Socket, Tin-plated | 20 | 16-22 | Stamped & Formed |
| AT60-20-0422 | Male Contact - Socket, Nickel-plated | 20 | 20-22 | Stamped & Formed |
| AT62-20-0444 | Female Contact - Socket, Gold-plated | 20 | 20-22 | Stamped & Formed |

| Tooling - Stamped & Formed Contacts | | |
|---|---|---|
| **Part** | **Part Number** | **Description** |
|  | MFX-3974 | Crimp Die - Size 20 (S&F contacts only) |
| | MFX-3976 | Crimp Die - Size 20 (S&F contacts only) 20-22AWG -04XX Series |
| | MFX-3978 | Crimp Die - Size 20 (S&F contacts only) 20-22AWG -02XX Series |
|  | ATT-20-00 | Hand Crimp Tool - Size 20, 20AWG (S&F contacts only) |

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**www.amphenol-sine.com**
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# **AT Series™** - Contact Size 16 Options

| Machined Contacts, Sockets & Pins | | | | |
|---|---|---|---|---|
| **Part Number** | **Description** | **Size** | **AWG** | **Type** |
| AT60-215-1631 | Male Contact - Pin, Gold-plated | 16 | 14 | Machined |
| AT62-209-1631 | Female Contact - Socket, Gold-plated | 16 | 14 | Machined |
| AT60-215-16141 | Male Contact - Pin, Nickel-plated | 16 | 14 | Machined |
| AT62-209-16141 | Female Contact - Socket, Nickel-plated | 16 | 14 | Machined |
| AT60-202-1631 | Male Contact - Pin, Gold-plated | 16 | 16-20 | Machined |
| AT62-201-1631 | Female Contact - Socket, Gold-plated | 16 | 16-20 | Machined |
| AT60-202-16141 | Male Contact - Pin, Nickel-plated | 16 | 16-20 | Machined |
| AT62-201-16141 | Female Contact - Socket, Nickel-plated | 16 | 16-20 | Machined |
| AT60-202-1631-22 | Male Contact - Pin, Gold-plated | 16 | 22-24 | Machined |
| AT62-201-1631-22 | Female Contact - Socket, Gold-plated | 16 | 22-24 | Machined |
| AT60-202-16141-22 | Male Contact - Pin, Nickel-plated | 16 | 22-24 | Machined |
| AT62-201-16141-22 | Female Contact - Socket, Nickel-plated | 16 | 22-24 | 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** |
|  | ATRT-100 | Used for removal of contacts for A Series™ products |
|  | AT11-310-1605 | Contact Removal Tool, Plastic, Size 16 |
|  | A114017 | Sealing Plug, Size 16, White |

| Stamped & Formed Contacts, Sockets & Pins | | | | |
|---|---|---|---|---|
| **Part Number** | **Description** | **Size** | **AWG** | **Type** |
| AT60-14-0144 | Male Contact - Pin, Gold-plated | 16 | 14-16 | Stamped & Formed |
| AT62-14-0144 | Female Contact - Socket, Gold-plated | 16 | 14-16 | Stamped & Formed |
| AT60-14-0122 | Male Contact - Pin, Nickel-plated | 16 | 14-16 | Stamped & Formed |
| AT62-14-0122 | Female Contact - Socket, Nickel-plated | 16 | 14-16 | Stamped & Formed |
| AT60-16-0144 | Male Contact - Pin, Gold-plated | 16 | 16-18 | Stamped & Formed |
| AT62-16-0144 | Female Contact - Socket, Gold-plated | 16 | 16-18 | Stamped & Formed |
| AT60-16-0122 | Male Contact - Pin, Nickel-plated | 16 | 16-18 | Stamped & Formed |
| AT62-16-0122 | Female Contact - Socket, Nickel-plated | 16 | 16-18 | Stamped & Formed |
| AT60-16-0644 | Male Contact - Pin, Gold-plated | 16 | 18-20 | Stamped & Formed |
| AT62-16-0644 | Female Contact - Socket, Gold-plated | 16 | 18-20 | Stamped & Formed |
| AT60-16-0622 | Male Contact - Pin, Nickel-plated | 16 | 18-20 | Stamped & Formed |
| AT62-16-0622 | Female Contact - Socket, Nickel-plated | 16 | 18-20 | Stamped & Formed |
| AT60-16-0844 | Male Contact - Pin, Gold-plated | 16 | 20-22 | Stamped & Formed |
| AT62-16-0844 | Female Contact - Socket, Gold-plated | 16 | 20-22 | Stamped & Formed |
| AT60-16-0822 | Male Contact - Pin, Nickel-plated | 16 | 20-22 | Stamped & Formed |
| AT62-16-0822 | Female Contact - Socket, Nickel-plated | 16 | 20-22 | Stamped & Formed |

| Tooling - Stamped & Formed Contacts | | |
|---|---|---|
| **Part** | **Part Number** | **Description** |
|  | MFX-3950 | Crimp Die - Size 16, 18-20AWG (S&F contacts only) |
| | MFX-3953 | Crimp Die - Size 16, 16-18AWG (S&F contacts only) |
| | MFX-3975 | Crimp Die - Size 16, 14-16AWG (S&F contacts only) |
| | MFX-3990 | Crimp Die - Size 16, 20-22AWG (S&F contacts only) |
|  | ATT-16-00 | Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only) |
| | ATT-16-01 | Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only) |
| | ATT-1612-03 | Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only) |

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