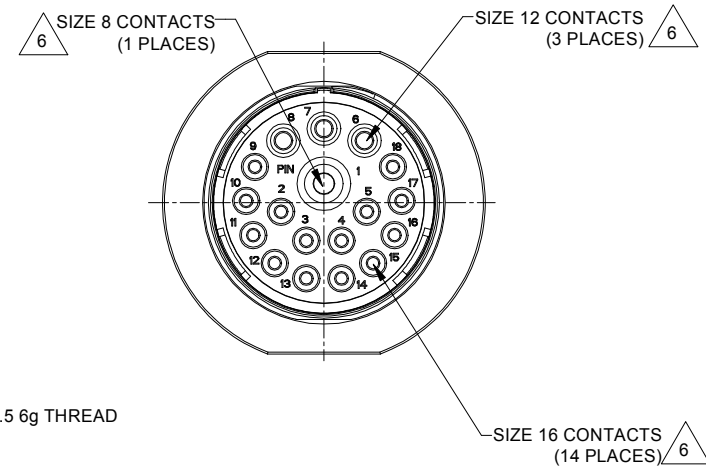
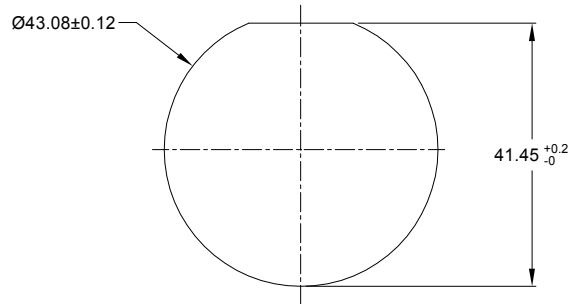


| REVISIONS |     |                         |           |       |       |
|-----------|-----|-------------------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION             | DATE      | BY    | APPR  |
| A1        | -   | RELEASE NEW DRAWING     | 17/OCT/18 | BROOK | TOMMY |
| A2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

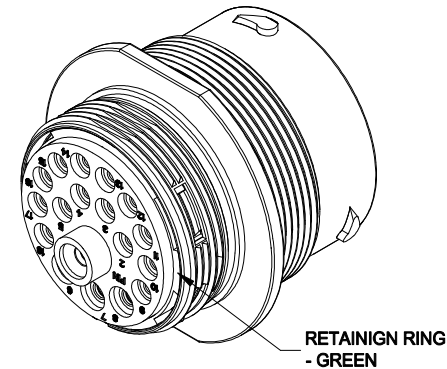


NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:**  
SHELL: ZINC ALLOY, NICKEL PLATED  
INSERT AND RETAINING RING: THERMOPLASTIC  
SEAL: SILICONE RUBBER
- MODIFICATIONS:** THREADED HOUSING; NORMAL DIA. WIRE SEAL
- SPECIFICATIONS:**
  - OPERATING TEMPERATURE: -55°C TO +125°C.
  - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
  - MOISTURE RESISTANCE: IP67&IP69K ( MATED CONDITION ).
  - MATING CYCLE DURABILITY: 100 CYCLES
  - RoHS COMPLIANT
- MATING PART:** AHDM06-24-18S\* (\* = SEAL TYPE)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.**



RECOMMENDED PANEL MOUNTING HOLE  
RECOMMENDED PANEL THICKNESS: 1.6 TO 4.7MM



**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) | 6.10 mm (.240 in) | 8-10 AWG           | 60 AMPS        |
| 12           | 3.40 mm (.134 in) | 4.32 mm (.170 in) | 10-14 AWG          | 25 AMPS        |
| 16           | 2.54 mm (.100 in) | 3.40 mm (.134 in) | 14-20 AWG          | 13 AMPS        |

| AHDM04-24-18PN                        |             | DESCRIPTION                                                                                                                                                                                                                                                          |  | ITEM |
|---------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|
| QUANTITY                              | PART NUMBER | 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) Note reference =                   |             |                                                                                                                                                                                                                                                                      |  |      |
| SIGNATURES                            |             | DATE                                                                                                                                                                                                                                                                 |  |      |
| DRAWN: BROOK                          |             | 24/OCT/18                                                                                                                                                                                                                                                            |  |      |
| CHECKED: ORION                        |             | 24/OCT/18                                                                                                                                                                                                                                                            |  |      |
| ENGINEER:                             |             |                                                                                                                                                                                                                                                                      |  |      |
| APPROVAL: TOMMY                       |             | 24/OCT/18                                                                                                                                                                                                                                                            |  |      |
| MATERIAL SPECIFICATIONS:              |             | CUSTOMER:                                                                                                                                                                                                                                                            |  |      |
| PROCESS SPECIFICATIONS:               |             | 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. |  |      |
| NEXT ASSY:                            |             | SIZE TYPE DWG NO. REVISION                                                                                                                                                                                                                                           |  |      |
|                                       |             | B C- AHDM04-24-18PN A2                                                                                                                                                                                                                                               |  |      |
|                                       |             | SCALE NONE SHEET 1 OF 1                                                                                                                                                                                                                                              |  |      |

TITLE: RECPT, 24 SZ 18 PIN, N, WIDE THD  
DWG NO: AHDM04-24-18PN  
REV: A2  
SH: 1  
OF: 1

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

RECPT, 24 SZ 18 PIN, N, WIDE THD

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