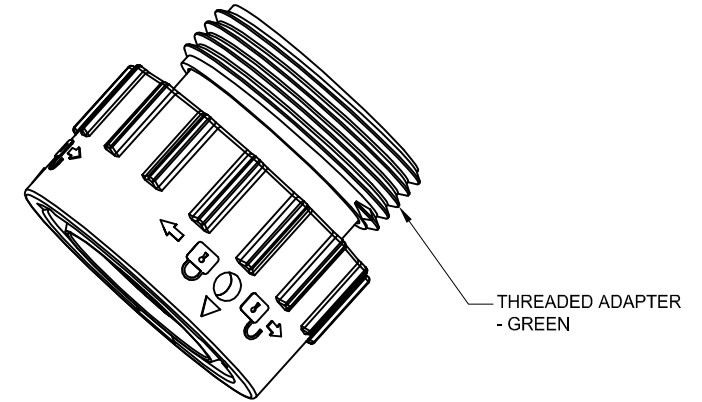
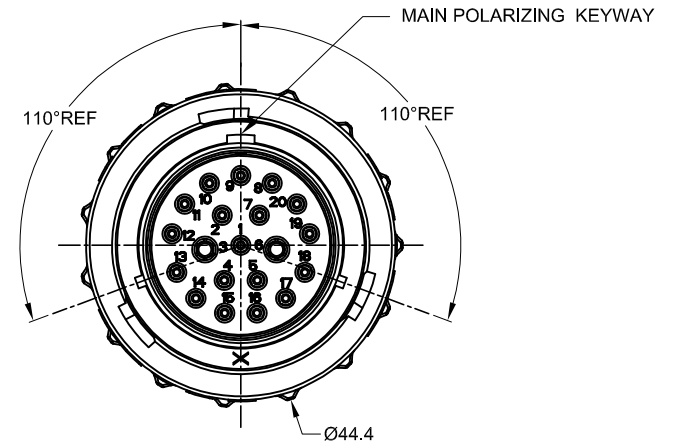
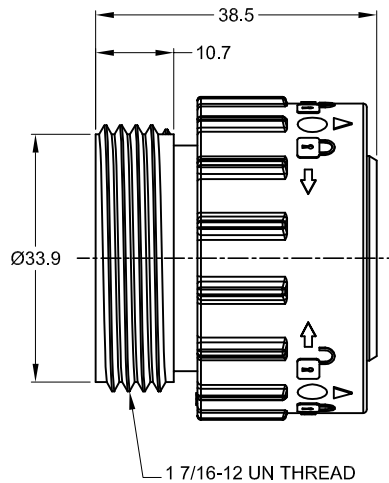
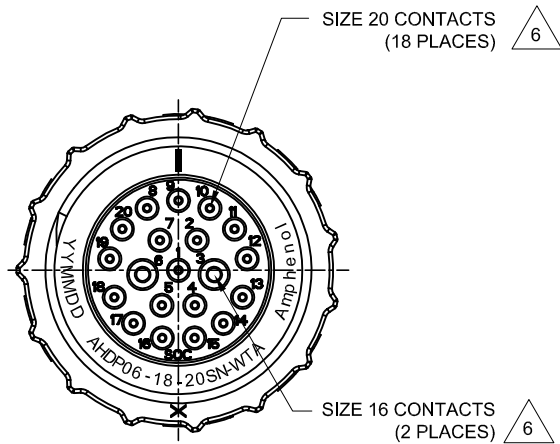


| REVISIONS |     |                     |         |        |       |
|-----------|-----|---------------------|---------|--------|-------|
| REV       | ECO | DESCRIPTION         | DATE    | BY     | APPR  |
| A1        | -   | RELEASE NEW DRAWING | 31JAN18 | ROOKIE | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC; BLACK  
SEAL: SILICONE RUBBER
- MODIFICATIONS: THREADED ADAPTER;
- 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: AHDP04-18-20P\* (\* = SEAL TYPE )
- 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 (.040in) | 2.10 mm (.083 in) | 16-22 AWG          | 7.5 AMPS       |
| 16           | 2.54 mm (.100in) | 3.40mm (.134 in)  | 14-20 AWG          | 13 AMPS        |

|                                      |  |                                                                                                                                                                                                                                                                      |  |                |  |
|--------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|
|                                      |  | AHPD06-18-20SN-WTA                                                                                                                                                                                                                                                   |  |                |  |
|                                      |  | PART NUMBER                                                                                                                                                                                                                                                          |  | DESCRIPTION    |  |
| QUANTITY                             |  | ITEM                                                                                                                                                                                                                                                                 |  |                |  |
| MATERIALS LIST                       |  |                                                                                                                                                                                                                                                                      |  |                |  |
| UNLESS OTHERWISE SPECIFIED:          |  | SIGNATURES                                                                                                                                                                                                                                                           |  | DATE           |  |
| 1) All dimensions are in metric(mm). |  | DRAWN:                                                                                                                                                                                                                                                               |  | Rookie 31JAN18 |  |
| 2) Tolerances are as follows:        |  | CHECKED:                                                                                                                                                                                                                                                             |  | Orion 31JAN18  |  |
| 1 PL DEC ±0.30                       |  | FRACTIONS                                                                                                                                                                                                                                                            |  | 1/64           |  |
| 2 PL DEC ±0.15                       |  | ANGLES                                                                                                                                                                                                                                                               |  | ±1°            |  |
| 3 PL DEC ±0.08                       |  | ENGINEER:                                                                                                                                                                                                                                                            |  |                |  |
| 3) Note reference =                  |  | APPROVAL:                                                                                                                                                                                                                                                            |  | Tommy 31JAN18  |  |
|                                      |  | CUSTOMER:                                                                                                                                                                                                                                                            |  |                |  |
| MATERIAL SPECIFICATIONS:             |  | THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREIN ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. |  |                |  |
| PROCESS SPECIFICATIONS:              |  | NEXT ASSY:                                                                                                                                                                                                                                                           |  |                |  |
|                                      |  | SCALE:                                                                                                                                                                                                                                                               |  | NONE           |  |
|                                      |  | SHEET                                                                                                                                                                                                                                                                |  | 1 OF 1         |  |

**Amphenol**

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

PLUG, 18-20 POS, SOCKET CONTACT  
STANDARD DIA. SEAL, AHDP SERIES

SIZE: B C- DWG NO: AHDP06-18-20SN-WTA REVISION: A1

# Mouser Electronics

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