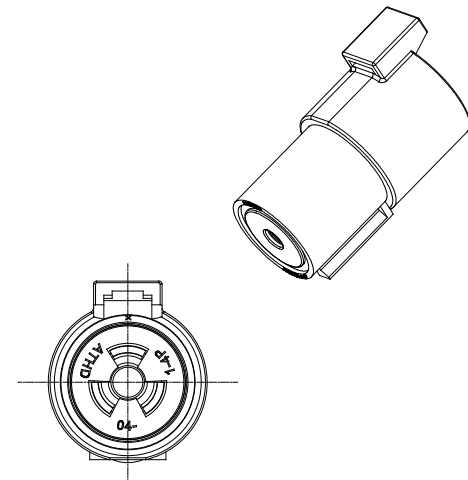
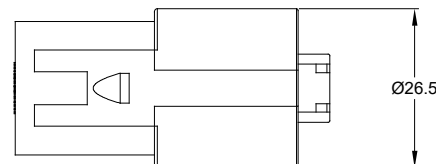
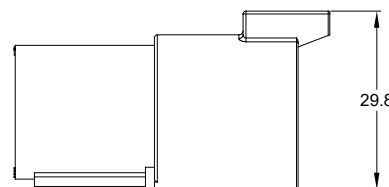
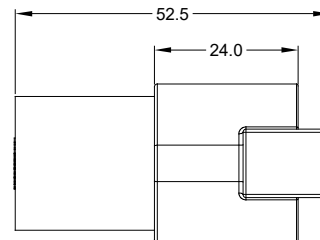
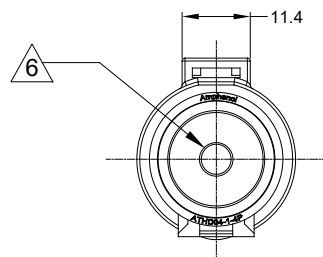


| REVISIONS |     |                  |           |       |       |
|-----------|-----|------------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION      | DATE      | BY    | APPR  |
| A1        | -   | RELEASED DRAWING | FEB-14-19 | WHITE | TOMMY |
| A2        | -   | UPDATE DRAWING   | JAN-16-20 | BLINK | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR:BLACK  
SEAL: SILICONE RUBBER
2. MODIFICAIONS: N/A
3. SPECIFICATIONS:
  - 3.1 CURRENT RATING: 100 AMPS
  - 3.2 VOLTAGE RATING: 1000 V AC/DC
  - 3.3 OPERATING TEMPERATURE: -55°C TO +125°C
  - 3.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 3000 VOLTS AC.
  - 3.5 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - 3.6 MOISTURE RESISTANCE: IP67 AND IP69K ( MATED CONDITION )
  - 3.7 MATING CYCLE DURABILITY: 100 CYCLES
  - 3.8 RoHS COMPLIANT
4. MATING PART:ATHD06-1-4S\* PLUG  
( \* = MODIFICATIONS )

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.    | TYPICAL WIRE RANGE    |
|--------------|-------------------|--------------------|-----------------------|
| 04           | 6.63 mm (.261 in) | 10.67 mm (.420 in) | 4 - 6 AWG (21-13 mm²) |

|                                        |          |                                                                                                                                                                                                                                                                      |              |      |
|----------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|
| ATHD04-1-4P                            |          | DESCRIPTION                                                                                                                                                                                                                                                          |              | ITEM |
| PART NUMBER                            |          |                                                                                                                                                                                                                                                                      |              |      |
| QUANTITY                               |          |                                                                                                                                                                                                                                                                      |              |      |
| MATERIALS LIST                         |          |                                                                                                                                                                                                                                                                      |              |      |
| UNLESS OTHERWISE SPECIFIED             |          | SIGNATURES                                                                                                                                                                                                                                                           |              |      |
| 1) All dimensions are in metric (mm).  |          | DRAWN: BLINK                                                                                                                                                                                                                                                         |              |      |
| 2) Tolerances are as follows:          |          | DATE: JAN-16-20                                                                                                                                                                                                                                                      |              |      |
| 1 PL DEC ±0.30                         |          | CHECKED: ORION                                                                                                                                                                                                                                                       |              |      |
| 2 PL DEC ±0.15                         |          | ENGINEER:                                                                                                                                                                                                                                                            |              |      |
| 3 PL DEC ±0.08                         |          | APPROVAL: TOMMY                                                                                                                                                                                                                                                      |              |      |
| 3) Note reference =                    |          | DATE: JAN-16-20                                                                                                                                                                                                                                                      |              |      |
| 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:                             |          | CUSTOMER:                                                                                                                                                                                                                                                            |              |      |
|                                        |          | SINE SYSTEMS - www.amphenol-sine.com                                                                                                                                                                                                                                 |              |      |
|                                        |          | 44724 Morley Drive                                                                                                                                                                                                                                                   |              |      |
|                                        |          | Clinton Township, MI 48036                                                                                                                                                                                                                                           |              |      |
| RECEPTACLE, 1 WAY, SIZE 4, ATHD SERIES |          |                                                                                                                                                                                                                                                                      |              |      |
| SIZE: B                                | TYPE: C- | DWG NO: ATHD04-1-4P                                                                                                                                                                                                                                                  | REVISION: A2 |      |
| SCALE: NONE                            |          | SHEET 1 OF 1                                                                                                                                                                                                                                                         |              |      |

TITLE: RECEPTACLE, 1 WAY, SIZE 4, ATHD SERIES  
DWG NO: ATHD04-1-4P  
REV: A2  
SH: 1  
OF: 1

ARB, ATHD and DuraMate™ Series

Size 4 Contact & Tooling Options

Contacts - Machined

| Part Number      | Type   | Style    | Contact Size | Amp  | Wire Range (AWG) | Wire Range (mm²) | Insulation OD (mm) | Plating       | Reel Size | Packaging |
|------------------|--------|----------|--------------|------|------------------|------------------|--------------------|---------------|-----------|-----------|
| AT60-203-04141-4 | Pin    | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT60-203-0431-4  | Pin    | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Gold-Plated   | -         | -         |
| AT60-204-0490    | Pin    | Machined | Size 4       | 100A | 6AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT62-203-04141   | Socket | Machined | Size 4       | 100A | 6AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT62-203-04141-4 | Socket | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT62-203-0431-4  | Socket | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Gold-Plated   | -         | -         |
|                  |        |          |              |      |                  |                  |                    |               |           |           |

Tooling

| Part Number   | Tool Name                                  | Style    | Contact Size    | Wire Range (AWG) | Material | Color  |
|---------------|--------------------------------------------|----------|-----------------|------------------|----------|--------|
| 96-978-22     | Crimper and Die                            | Machined | Size 3.6mm-10mm | 10mm²-185mm²     | n/a      | n/a    |
| AT11-027-0405 | Contact Extraction Tool                    | Machined | Size 4          | 4AWG             | Plastic  | Black  |
| WA23          | Pneumatic Crimp Tool                       | Machined | -               | 8-0000AWG        | -        | -      |
| WA23-138DA    | WA23 Die Assembly for Pneumatic Crimp Tool | Machined | Size 4          | 4AWG             | -        | Silver |
| WA23-11       | WA23 Locator for Pneumatic Crimp Tool      | Machined | Size 4          | 4AWG             | -        | Blue   |
|               |                                            |          |                 |                  |          |        |