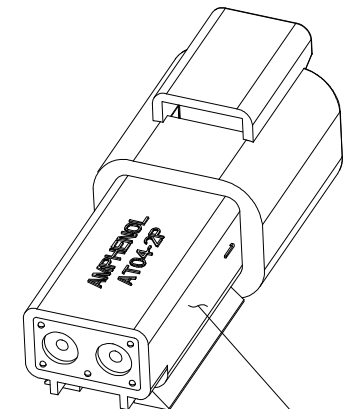
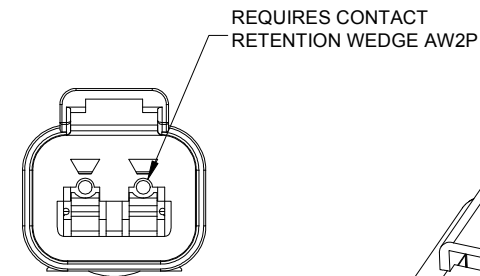
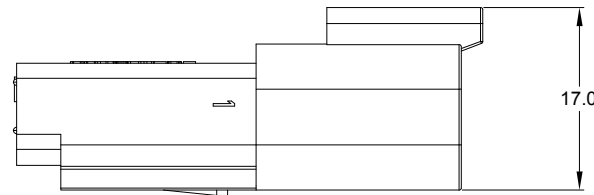
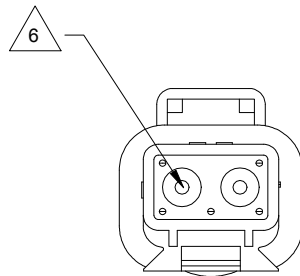
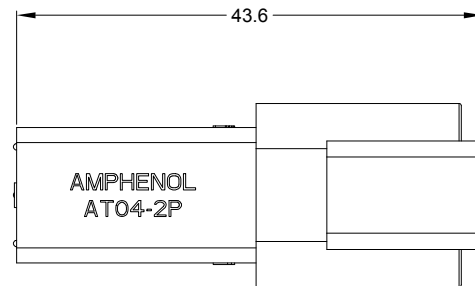


| REVISIONS |        |                        |         |       |       |
|-----------|--------|------------------------|---------|-------|-------|
| REV       | ECO    | DESCRIPTION            | DATE    | BY    | APPR  |
| A3        | -      | RELEASE NEW DWG FORMAT | 26DEC13 | JARRY |       |
| A4        | C0540S | UPDATE DIMENSIONS      | 22JUN16 | JONY  | TOMMY |
| A5        | -      | ADD COLOR OPTION       | 23NOV20 | LOUIE | TOMMY |



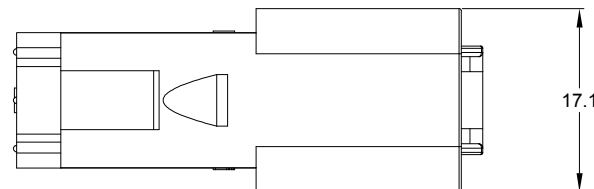
NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER
- MODIFICATIONS: N/A
- SPECIFICATIONS:
  - CURRENT RATING: 13 AMPS
  - OPERATING TEMPERATURE: -55°C TO +125°C
  - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - MOISTURE RESISTANCE:  
IP68(1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)  
IP69K(MATED CONDITION)
  - MATING CYCLE DURABILITY: 100 CYCLES
  - RoHS COMPLIANT
- MATING PART: AT06-2S\* PLUG  
(\* = MODIFICATIONS AND COLORS )

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       |
|--------------|-------------------|-------------------|--------------------------|
| 16           | 2.24 mm (.088 in) | 3.68 mm (.145 in) | 14 - 20 AWG (2.0-0.5mm²) |



| PART NUMBER CHART |             |
|-------------------|-------------|
| COLOR             | PART NUMBER |
| GREY              | AT04-2P     |
| BLACK             | AT04-2P-BLK |
| BLUE              | AT04-2P-BLU |
| BROWN             | AT04-2P-BRN |
| GREEN             | AT04-2P-GRN |
| RED               | AT04-2P-RED |
| WHITE             | AT04-2P-WHT |
| YELLOW            | AT04-2P-YEL |
| ORANGE            | AT04-2P-ORG |

STANDARD MOLDED COLOR IS GREY.  
ADDITIONAL COLORS SHOWN IN PART NUMBER CHART ARE AVAILABLE VIA SPECIAL ORDER.

|                                                                                                           |  |                                                                                                                                                                                                                                                                      |       |              |
|-----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|
| SEE PART NUMBER CHART                                                                                     |  | REF: DT04-2P, DT04-2P-E004                                                                                                                                                                                                                                           |       |              |
| PART NUMBER                                                                                               |  | DESCRIPTION                                                                                                                                                                                                                                                          |       | ITEM         |
| QUANTITY                                                                                                  |  |                                                                                                                                                                                                                                                                      |       |              |
| MATERIALS LIST                                                                                            |  |                                                                                                                                                                                                                                                                      |       |              |
| UNLESS OTHERWISE SPECIFIED                                                                                |  | SIGNATURES                                                                                                                                                                                                                                                           |       | DATE         |
| 1) All dimensions are in metric(mm).                                                                      |  | DRAWN:                                                                                                                                                                                                                                                               | LOUIE | 23NOV20      |
| 2) Tolerances are as follows:                                                                             |  | CHECKED:                                                                                                                                                                                                                                                             | ORION | 24NOV20      |
| 1 PL DEC ±0.30                                                                                            |  | ENGINEER:                                                                                                                                                                                                                                                            |       |              |
| 2 PL DEC ±0.15                                                                                            |  | APPROVAL:                                                                                                                                                                                                                                                            | TOMMY | 25NOV20      |
| 3 PL DEC ±0.08                                                                                            |  | CUSTOMER:                                                                                                                                                                                                                                                            |       |              |
| 3) Note reference =  |  | 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. |       |              |
| MATERIAL SPECIFICATIONS:                                                                                  |  | <br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036                                                                                    |       |              |
| PROCESS SPECIFICATIONS:                                                                                   |  |                                                                                                                                                                                                                                                                      |       |              |
| NEXT ASSY:                                                                                                |  | SIZE                                                                                                                                                                                                                                                                 | B C-  | DWG NO:      |
|                                                                                                           |  | SCALE:                                                                                                                                                                                                                                                               | NONE  | AT04-2P-XXX  |
|                                                                                                           |  |                                                                                                                                                                                                                                                                      |       | REVISION     |
|                                                                                                           |  |                                                                                                                                                                                                                                                                      |       | A5           |
|                                                                                                           |  |                                                                                                                                                                                                                                                                      |       | SHEET 1 OF 1 |

## 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 (Machined contacts only) |
|  | CA-5E12     | Pneumatic Crimp Tool, Size 12/16/20 (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 (\$&F contacts only)       |
|                                                                                       | MFX-3953    | Crimp Die - Size 16, 16-18AWG (\$&F contacts only)       |
|                                                                                       | MFX-3975    | Crimp Die - Size 16, 14-16AWG (\$&F contacts only)       |
|                                                                                       | MFX-3990    | Crimp Die - Size 16, 20-22AWG (\$&F contacts only)       |
|  | ATT-16-00   | Hand Crimp Tool - Size 16, 14-16AWG (\$&F contacts only) |
|                                                                                       | ATT-16-01   | Hand Crimp Tool - Size 16, 18-20AWG (\$&F contacts only) |
|                                                                                       | ATT-1612-03 | Hand Crimp Tool - Size 16, 20-22AWG (\$&F contacts only) |

**Amphenol Sine Systems**  
 44724 Morley Drive  
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[www.amphenol-sine.com](http://www.amphenol-sine.com)  
 09/2021

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