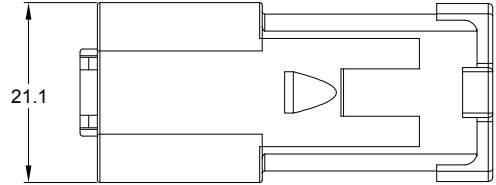
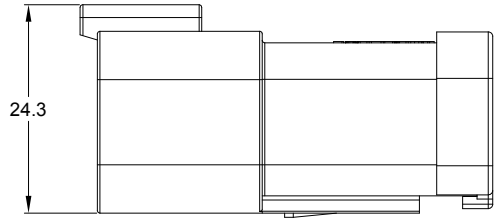
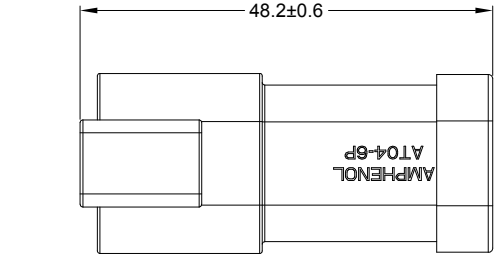
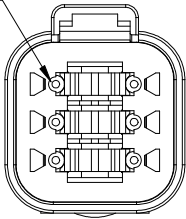


| REVISIONS |        |                        |         |       |       |
|-----------|--------|------------------------|---------|-------|-------|
| REV       | ECO    | DESCRIPTION            | DATE    | BY    | APPR  |
| A3        | -      | RELEASE NEW DWG FORMAT | 03JAN14 | JARRY | -     |
| A4        | C0540S | UPDATE DIMENSIONS      | 04JUL16 | JONY  | TOMMY |
| A5        | -      | ADD COLOR OPTION       | 23NOV20 | LOUIE | TOMMY |

REQUIRES CONTACT  
RETENTION WEDGE AW6P



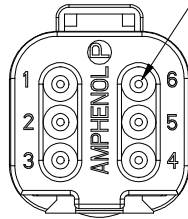
| PART NUMBER CHART |                 |
|-------------------|-----------------|
| COLOR             | PART NUMBER     |
| GREY              | AT04-6P-MM01    |
| BLACK             | AT04-6P-MM01BLK |
| BLUE              | AT04-6P-MM01BLU |
| BROWN             | AT04-6P-MM01BRN |
| GREEN             | AT04-6P-MM01GRN |
| RED               | AT04-6P-MM01RED |
| WHITE             | AT04-6P-MM01WHT |
| YELLOW            | AT04-6P-MM01YEL |
| ORANGE            | AT04-6P-MM01ORG |

- NOTES: UNLESS OTHERWISE SPECIFIED
- MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER
  - MODIFICATIONS: END CAP;  
REDUCED DIA. WIRE SEAL
  - SPECIFICATIONS:  
3.1 CURRENT RATING: 13 AMPS  
3.2 OPERATING TEMPERATURE: -55°C TO +125°C  
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.  
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.  
3.5 MOISTURE RESISTANCE:  
IP68(1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)  
IP69K(MATED CONDITION)  
3.6 MATING CYCLE DURABILITY: 100 CYCLES  
3.7 RoHS COMPLIANT
  - MATING PART: AT06-6S\* PLUG  
(\* = MODIFICATIONS AND COLORS )
  - ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

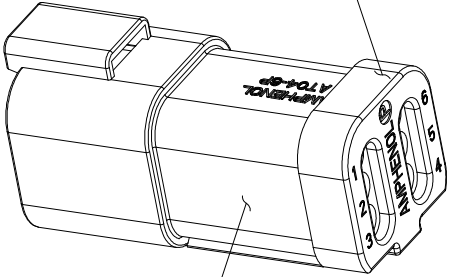
6 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT<br>SIZE | MIN. INSUL<br>O.D.   | MAX. INSUL<br>O.D.   | TYPICAL<br>WIRE RANGE                    |
|-----------------|----------------------|----------------------|------------------------------------------|
| 16              | 1.35 mm<br>(.053 in) | 3.05 mm<br>(.120 in) | 14 - 20 AWG<br>(2.0-0.5mm <sup>2</sup> ) |

6  
REDUCED DIAMETER  
WIRE SEAL



STANDARD COLOR IS GREY,  
ADDITION COLOR SHOWN IN  
PART NUMBER CHART



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

|                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| SEE PART NUMBER CHART                                                                                                                                                                                                                                                         |  | REF: DT04-6P-CE01, DT04-6P-CE03                                                                                                                                                                                                                                                                                                                                                                                                 |                         |
| PART NUMBER                                                                                                                                                                                                                                                                   |  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |
| QUANTITY                                                                                                                                                                                                                                                                      |  | ITEM                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |
| MATERIALS LIST                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |
| <b>UNLESS OTHERWISE SPECIFIED</b><br>1) All dimensions are in metric(mm).<br>2) Tolerances are as follows:<br>1 PL DEC ±0.30<br>2 PL DEC ±0.15<br>3 PL DEC ±0.08<br>3) Note reference =  |  | <b>SIGNATURES</b><br><b>DATE</b><br><br>DRAWN: LOUIE 23NOV20<br>CHECKED: ORION 25NOV20<br>ENGINEER:<br>APPROVAL: TOMMY 27NOV20<br><br>CUSTOMER:<br><br><br>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. |                         |
| FRACTIONS ±1/64<br>ANGLES ±1°                                                                                                                                                                                                                                                 |  | <b>Amphenol</b><br><br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036                                                                                                                                                                                                                                                                                                                 |                         |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                                      |  | RECEPTACLE, 6 PIN, AT SERIES ,<br>REDUCED DIAMETER WIRE SEAL, END CAP                                                                                                                                                                                                                                                                                                                                                           |                         |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                                       |  | SIZE<br>B C-                                                                                                                                                                                                                                                                                                                                                                                                                    | TYPE<br>AT04-6P-MM01XXX |
| NEXT ASSY:                                                                                                                                                                                                                                                                    |  | DWG NO:<br>SCALE NONE                                                                                                                                                                                                                                                                                                                                                                                                           | REVISION<br>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**  
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 Clinton Township, MI 48036 USA  
[www.amphenol-sine.com](http://www.amphenol-sine.com)  
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