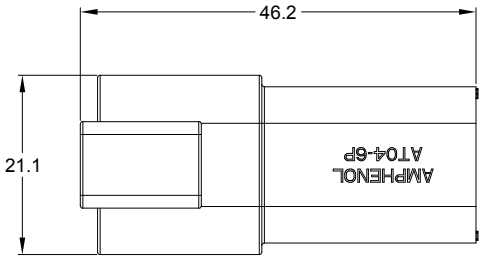
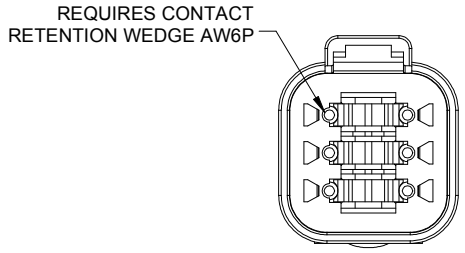
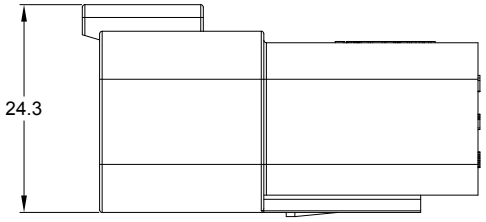
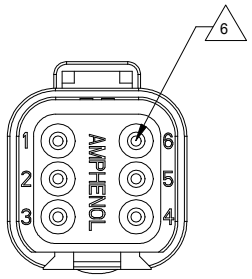
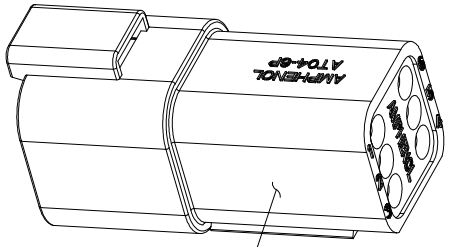
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A3 | - | RELEASE NEW DWG FORMAT | 26DEC13 | JARRY | - |
| A4 | C0540S | UPDATE DIMENSIONS | 23JUN16 | JONY | TOMMY |
| A5 | - | ADD COLOR OPTION | 23NOV20 | LOUIE | TOMMY |



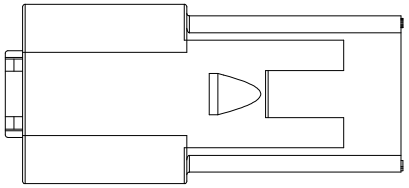




STANDARD MOLDED COLOR IS GREY.
ADDITIONAL COLORS SHOWN IN PART NUMBER
CHART ARE AVAILABLE VIA SPECIAL ORDER.



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: N/A

3. 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

4. MATING PART: AT06-6S* 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 | AT04-6P |
| BLACK | AT04-6P-BLK |
| BLUE | AT04-6P-BLU |
| BROWN | AT04-6P-BRN |
| GREEN | AT04-6P-GRN |
| RED | AT04-6P-RED |
| WHITE | AT04-6P-WHT |
| YELLOW | AT04-6P-YEL |
| ORANGE | AT04-6P-ORG |

| | SEE PART NUMBER CHART | REF: DT04-6P, DT04-6P-P004, DT04-6P-E004 | |
|---|---|---|---|
| | PART NUMBER | DESCRIPTION | ITEM |
| QUANTITY | 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 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | LOUIE | 23NOV20 |
| CHECKED: | ORION | 25NOV20 |
| ENGINEER: | | |
| APPROVAL: | TOMMY | 27NOV20 |
| CUSTOMER: | | |

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.

Amphenol

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

RECEPTACLE, 6 PIN, AT SERIES

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | AT04-6P-XXX | A5 |

SCALE: NONE SHEET 1 OF 1

TITLE: RECEPTACLE, 6 PIN, AT SERIES
DWG NO: AT04-6P-XXX
REV: A5
SH: 1
OF: 1

# AT, ATV, AHD, ARB, ARC, DuraMate™ and PanelMate™ Series

## Size 16 Contact & Tooling Options

Contacts - Machined

| Part Number | Type | Style | Contact Size | Amp | Wire Range (AWG) | Wire Range ($mm^2$) | Insulation OD (mm) | Plating | Reel Size | Packaging |
|---|---|---|---|---|---|---|---|---|---|---|
| AT60-215-16141 | Pin | Machined | Size 16 | 13A | 14AWG | - | - | Nickel-Plated | - | - |
| AT60-215-1631 | Pin | Machined | Size 16 | 13A | 14AWG | - | - | Gold-Plated | - | - |
| AT60-202-16NKIT | Pin | Machined | Size 16 | 13A | 16-20AWG | - | - | Nickel-Plated | - | - |
| AT60-202-16141 | Pin | Machined | Size 16 | 13A | 16-20AWG | - | - | Nickel-Plated | - | - |
| AT60-202-1631 | Pin | Machined | Size 16 | 13A | 16-20AWG | - | - | Gold-Plated | - | - |
| AT60-202-16141-22 | Pin | Machined | Size 16 | 13A | 22-24AWG | - | - | Nickel-Plated | - | - |
| AT60-202-1631-22 | Pin | Machined | Size 16 | 13A | 22-24AWG | - | - | Gold-Plated | - | - |
| AT62-209-16141 | Socket | Machined | Size 16 | 13A | 14AWG | - | - | Nickel-Plated | - | - |
| AT62-209-1631 | Socket | Machined | Size 16 | 13A | 14AWG | - | - | Gold-Plated | - | - |
| AT62-201-16NKIT | Socket | Machined | Size 16 | 13A | 16-20AWG | - | - | Nickel-Plated | - | - |
| AT62-201-16141 | Socket | Machined | Size 16 | 13A | 16-20AWG | - | - | Nickel-Plated | - | - |
| AT62-201-1631 | Socket | Machined | Size 16 | 13A | 16-20AWG | - | - | Gold-Plated | - | - |
| AT62-201-16141-22 | Socket | Machined | Size 16 | 13A | 22-24AWG | - | - | Nickel-Plated | - | - |
| AT62-201-1631-22 | Socket | Machined | Size 16 | 13A | 22-24AWG | - | - | Gold-Plated | - | - |
| | | | | | | | | | | |
| Contacts - Stamped & Formed | | | | | | | | | | |
| AT60-14-0122 | Pin | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Nickel-Plated | - | - |
| AT60-14-0122-LP | Pin | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Nickel-Plated | - | Loose Piece |
| AT60-14-0144 | Pin | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Gold-Plated | - | - |
| AT60-14-0144-LP | Pin | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Gold-Plated | - | Loose Piece |
| AT60-16-0122 | Pin | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Nickel-Plated | - | - |
| AT60-16-0122-LP | Pin | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Nickel-Plated | - | Loose Piece |
| AT60-16-0144 | Pin | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Gold-Plated | - | - |
| AT60-16-0144-LP | Pin | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Gold-Plated | - | Loose Piece |
| AT60-16-0622 | Pin | S&F | Size 16 | 13A | 16-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Nickel-Plated | - | - |
| AT60-16-0622-LP | Pin | S&F | Size 16 | 13A | 16-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Nickel-Plated | - | Loose Piece |
| AT60-16-0644 | Pin | S&F | Size 16 | 13A | 16-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Gold-Plated | - | - |
| AT60-16-0644-LP | Pin | S&F | Size 16 | 13A | 16-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Gold-Plated | - | Loose Piece |
| AT60-16-0322 | Pin | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Nickel-Plated | - | - |
| AT60-16-0344 | Pin | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Gold-Plated | - | - |
| AT60-16-0377 | Pin | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Tin-Plated | - | - |
| AT60-16-0822 | Pin | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Nickel-Plated | 4,000 | - |
| AT60-16-0844 | Pin | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Gold-Plated | 4,000 | - |
| AT62-14-0122 | Socket | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Nickel-Plated | - | - |
| AT62-14-0122-LP | Socket | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Nickel-Plated | - | Loose Piece |
| AT62-14-0144 | Socket | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Gold-Plated | - | - |
| AT62-14-0144-LP | Socket | S&F | Size 16 | 13A | 14-18AWG | 2.0-0.75$mm^2$ | 2.40 - 3.81mm | Gold-Plated | - | Loose Piece |
| AT62-16-0122 | Socket | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Nickel-Plated | - | - |
| AT62-16-0122-LP | Socket | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Nickel-Plated | - | Loose Piece |
| AT62-16-0144 | Socket | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Gold-Plated | - | - |

# AT, ATV, AHD, ARB, ARC, DuraMate™ and PanelMate™ Series

## Size 16 Contact & Tooling Options, cont.

Contacts - Stamped & Formed, cont.

| Part Number | Type | Style | Contact Size | Amp | Wire Range (AWG) | Wire Range ($mm^2$) | Insulation OD (mm) | Plating | Reel Size | Packaging |
|---|---|---|---|---|---|---|---|---|---|---|
| AT62-16-0144-LP | Socket | S&F | Size 16 | 13A | 16-18AWG | 1.5-0.75$mm^2$ | 1.91 - 3.55mm | Gold-Plated | - | Loose Piece |
| AT62-16-0622 | Socket | S&F | Size 16 | 13A | 16-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Nickel-Plated | - | - |
| AT62-16-0622-LP | Socket | S&F | Size 16 | 13A | 16-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Nickel-Plated | - | Loose Piece |
| AT62-16-0644 | Socket | S&F | Size 16 | 13A | 18-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Gold-Plated | - | - |
| AT62-16-0644-LP | Socket | S&F | Size 16 | 13A | 18-20AWG | 1.0-0.5$mm^2$ | 1.40 - 2.54mm | Gold-Plated | - | Loose Piece |
| AT62-16-0822 | Socket | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Nickel-Plated | 4,000 | - |
| AT62-16-0844 | Socket | S&F | Size 16 | 13A | 20-22AWG | 0.5-0.35$mm^2$ | 1.31 - 1.50mm | Gold-Plated | 4,000 | - |
| | | | | | | | | | | |

Tooling

| Part Number | Tool Name | Style | Contact Size | Wire Range (AWG) | Material | Color |
|---|---|---|---|---|---|---|
| AUTK-16 | Hand Crimp Tool | Machined | Size 16 | - | - | - |
| AUTK-100 | Universal Heavy Duty Contact Crimping Tool Kit | Machined | Size 12/16/20 | 12-26AWG | - | - |
| CA-5D12 | Universal Hand Crimp Tool | Machined | Size 12/16/20 | 12-26AWG | - | - |
| CA-5E12 | Pneumatic Crimp Tool | Machined | Size 12/16/20 | 12-26AWG | - | - |
| MFX-3950-G or K | Crimp Die Press Applicator | S&F | Size 16 | 18-20AWG | - | - |
| MFX-3953-G or K | Crimp Die Press Applicator | S&F | Size 16 | 16-18AWG | - | - |
| MFX-3975-G or K | Crimp Die Press Applicator | S&F | Size 16 | 14-16AWG | - | - |
| MFX-3990 | Crimp Die | S&F | Size 16 | 20-22AWG | - | - |
| ATT-16-00 | Hand Crimp Tool | S&F | Size 16 | 14-16AWG | - | - |
| ATT-16-01 | Hand Crimp Tool | S&F | Size 16 | 18-20AWG | - | - |
| ATT-1612-03 | Hand Crimp Tool | S&F | Size 12/16 | 20-22AWG | - | - |
| ATRT-100 | Contact and Wedgelock Extraction Tool | Universal | Universal | - | Steel | Silver |
| AT11-310-1605 | Contact Extraction Tool | Universal | Size 16 | - | Plastic | Lt Blue |
| A114017 | Seal Plug | Universal | Size 12/16 | - | Thermoplastic | White |
| A114017-SR | Seal Plug | Universal | Size 16 | - | Thermoplastic | Black |
| AT13-217-1605 | Locking Seal Plug | Universal | Size 16 | - | Thermoplastic | Grey |
| AT13-217-1605-SR | Locking Seal Plug | Universal | Size 16 | - | Thermoplastic | Red |
| | | | | | | |