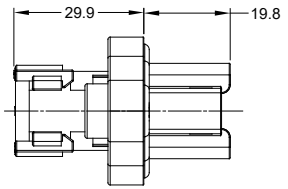
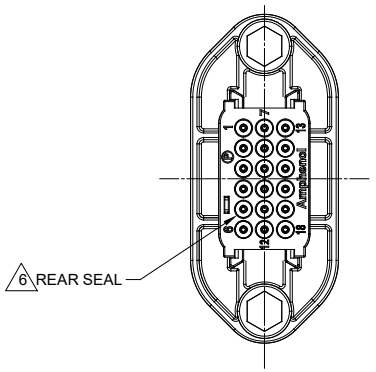
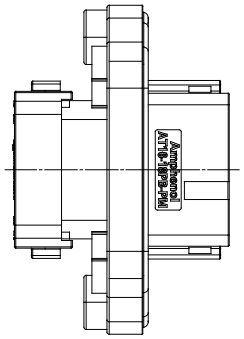
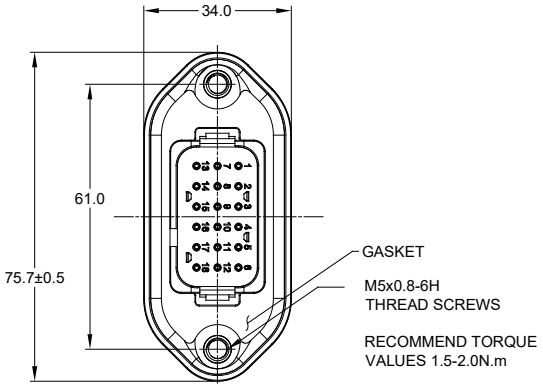



MOUNTING PLATE SIZE






| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| 01 | - | PRELIMINARY | 26AUG2019 | JAH | |
| 02 | - | AT16 WAS AT04<br>MODIFIED COLORS AND P/N'S | 30OCT2019 | JAH | |
| 03 | - | UPDATE DRAWING | 12FEB2020 | ZENIN | TOMMY |
| 04 | - | UPDATE DRAWING | 27FEB2020 | ZENIN | TOMMY |

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; COLOR: SEE CHART
   END CAP: THERMOPLASTIC; COLOR: BLACK
   STRAIN RELIEF CAP: THERMOPLASTIC; COLOR: BLACK
   SEALS: SILICONE RUBBER; COLOR: GREEN

2. MODIFICATIONS: FLANGE, GASKET, END CAP, STRAIN RELIEF CAP (OPT).

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: IP67 ( MATED CONDITION )
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

4. MATING PART: AT16-18SX-* PLUGS
   ( X = A,B,C,D,E KEYS; * = 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 | 1.35 mm (.053 in) | 3.05 mm (.120 in) | 14 - 20 AWG |

SEE SHEET 2 FOR KEYS

| 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: | ZENIN.DENG | 27FEB2020 |
| CHECKED: | ORION.LI | 27FEB2020 |
| ENGINEER: | | |
| APPROVAL: | TOMMY.XIE | 27FEB2020 |
| 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

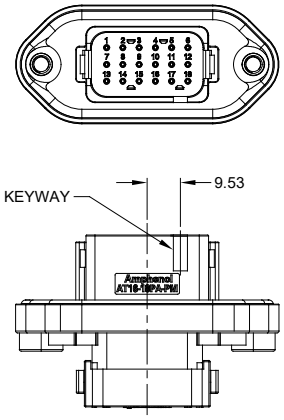
PANELMATE RECEPTACLE, 18 PIN
AT SERIES

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | AT16-18PX-PMXX | 04 |

SCALE NONE | SHEET 1 OF 2

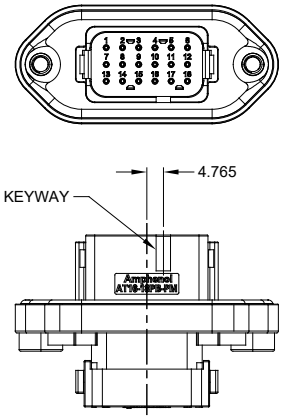
TITLE: PANELMATE RECEPTACLE, 18 PIN, AT SERIES
DWG NO: AT16-12PX-PMXX
REV: 04
SH: 1
OF: 2

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| 01 | - | PRELIMINARY | 26AUG2019 | JAH | |
| 02 | - | AT16 WAS AT04<br>MODIFIED COLORS AND P/N'S | 30OCT2019 | JAH | |
| 03 | - | UPDATE DRAWING | 12FEB2020 | ZENIN | TOMMY |
| 04 | - | UPDATE DRAWING | 27FEB2020 | ZENIN | TOMMY |



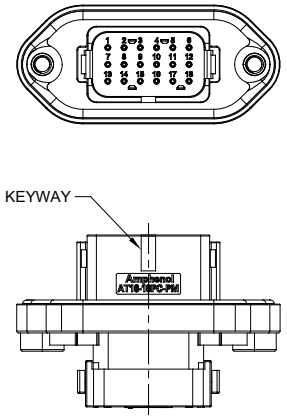

P/N AT16-18PA-PMXX
KEY-A CONFIGURATION
COLOR: GRAY

| KEY-A CONFIGURATION | |
|---|---|
| PART NUMBER | STRAIN RELIEF |
| AT16-18PA-PM11 | NO |
| AT16-18PA-PM15 | YES |



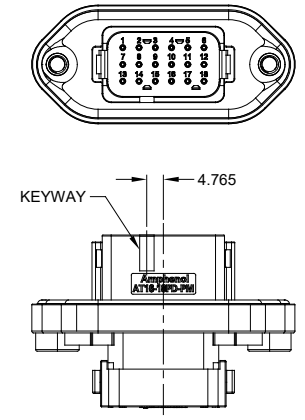

P/N AT16-18PB-PMXX
KEY-B CONFIGURATION
COLOR: BLACK

| KEY-B CONFIGURATION | |
|---|---|
| PART NUMBER | STRAIN RELIEF |
| AT16-18PB-PM11 | NO |
| AT16-18PB-PM15 | YES |



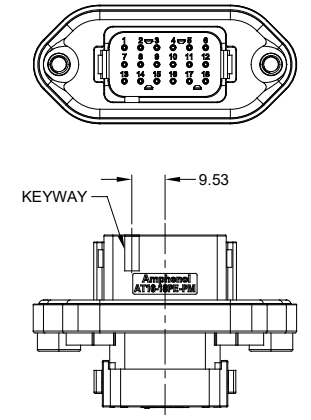

P/N AT16-18PC-PMXX
KEY-C CONFIGURATION
COLOR: GREEN

| KEY-C CONFIGURATION | |
|---|---|
| PART NUMBER | STRAIN RELIEF |
| AT16-18PC-PM11 | NO |
| AT16-18PC-PM15 | YES |




P/N AT16-18PD-PMXX
KEY-D CONFIGURATION
COLOR: BROWN

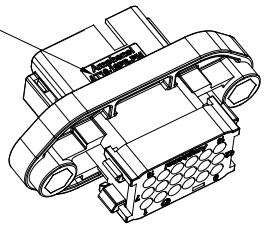
| KEY-D CONFIGURATION | |
|---|---|
| PART NUMBER | STRAIN RELIEF |
| AT16-18PD-PM11 | NO |
| AT16-18PD-PM15 | YES |



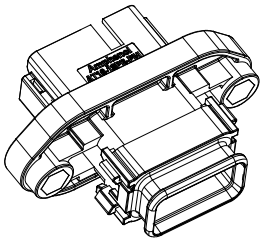

P/N AT16-18PE-PMXX
KEY-E CONFIGURATION
COLOR: GRAY

| KEY-E CONFIGURATION | |
|---|---|
| PART NUMBER | STRAIN RELIEF |
| AT16-18PE-PM11 | NO |
| AT16-18PE-PM15 | YES |

LOGO AND P/N
A-KEYED P/N:AT16-18PA-PM
B-KEYED P/N:AT16-18PB-PM
C-KEYED P/N:AT16-18PC-PM
D-KEYED P/N:AT16-18PD-PM
E-KEYED P/N:AT16-18PE-PM



SHOWN WITH
END CAP



SHOWN WITH
STRAIN RELIEF

| | 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

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | ZENIN.DENG | 27FEB2020 |
| CHECKED: | ORION.LI | 27FEB2020 |
| ENGINEER: | | |
| APPROVAL: | TOMMY.LI | 27FEB2020 |
| CUSTOMER: | | |

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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

PANELMATE RECEPTACLE, 18 PIN
AT SERIES

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | AT16-18PX-PMXX | 04 |

SCALE NONE SHEET 2 OF 2

TITLE: PANELMATE RECEPTACLE, 18 PIN, AT SERIES
DWG NO: AT16-18PX-PMXX
REV: 04
SH: 2
OF: 2

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

**Amphenol Sine Systems**
44724 Morley Drive
Clinton Township, MI 48036 USA
**www.amphenol-sine.com**
09/2021