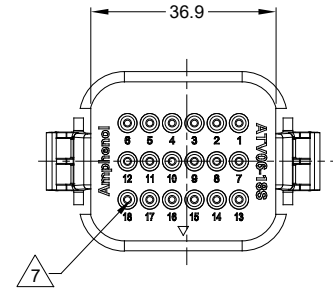
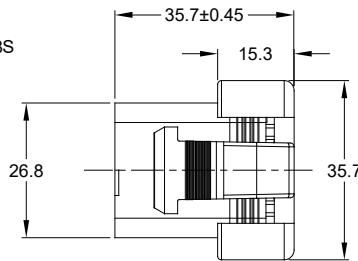
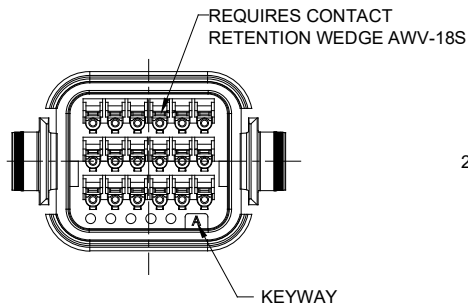
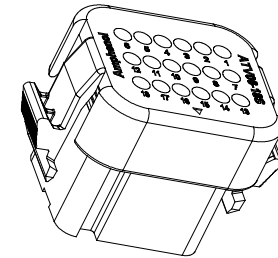
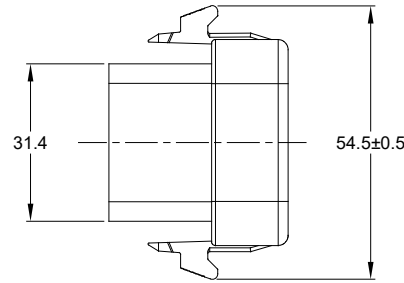
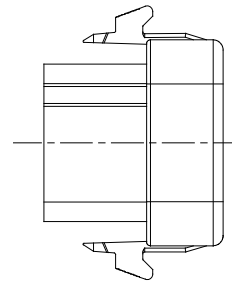


| REVISIONS | | | | | |
|-----------|-----|-----------------|---------|--------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE DRAWING | 26JUN18 | RIMON | TOMMY |
| A2 | - | UPDATE NOTES | 19FEB19 | SULLEN | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

- SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.
- MATERIAL:
HOUSING: THERMOPLASTIC
SEAL: SILICONE RUBBER , COLOR: RED
- MODIFICATIONS: STANDARD DIAMETER WIRE SEAL
- 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: IP67&IP69K (MATED CONDITION)
 - MATING CYCLE DURABILITY: 100 CYCLES
 - RoHS COMPLIANT
- MATING PART: ATV02-18PX* RECEPTACLE & ATV04-18PX* RECEPTACLE (X = A,B,C,D KEYS ; * = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



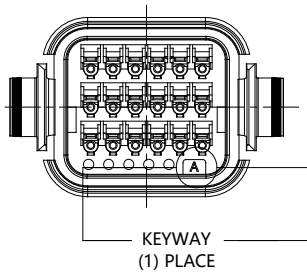
7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D. | MAX. INSUL O.D. | TYPICAL WIRE RANGE |
|--------------|----------------------|----------------------|--------------------|
| 16 | 2.23 mm (.088 in) | 3.68 mm (.145 in) | 14 - 20 AWG |

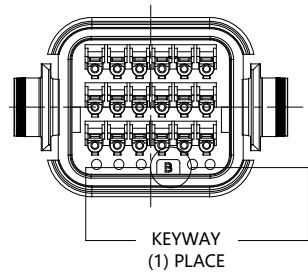
| SEE SHEET 2 | | REF: DTV06-18SA, DTV06-18SB, DTV06-18SC, DTV06-18SD | | ITEM |
|--|-------------|--|--|--|
| QUANTITY | PART NUMBER | DESCRIPTION | | |
| MATERIALS LIST | | | | |
| UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference = $\triangle X$ | | SIGNATURES DATE DRAWN: SULLEN,ZHANG 19FEB19 CHECKED: ORION,LI 19FEB19 ENGINEER: APPROVAL: TOMMY,XIE 19FEB19 CUSTOMER: | | Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 |
| MATERIAL 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. | | |
| PROCESS SPECIFICATIONS: | | SIZE TYPE DWG NO. REVISION | | |
| NEXT ASSY: | | B C- ATV06-18SX A2 | | |
| | | SCALE: NONE | | SHEET 1 OF 2 |

TITLE: PLUG, 18 PIN, ATV SERIES, STANDARD DIAMETER WIRE SEAL
DWG NO.: ATV06-18SX
REV: A2
SH: 1
OF: 2

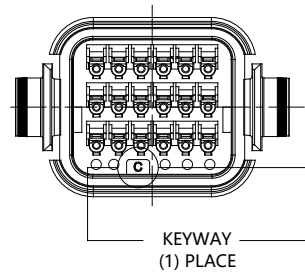
| REVISIONS | | | | | |
|-----------|-----|-----------------|---------|--------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE DRAWING | 26JUN18 | RIMON | TOMMY |
| A2 | - | UPDATE NOTES | 19FEB19 | SULLEN | TOMMY |



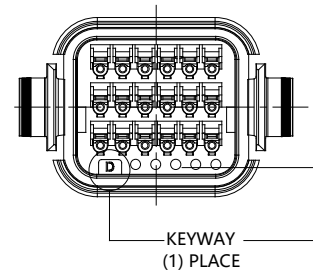
| KEY-A CONFIGURATION | |
|---------------------|-------------|
| COLOR | PART NUMBER |
| GREY | ATV06-18SA |



| KEY-B CONFIGURATION | |
|---------------------|-------------|
| COLOR | PART NUMBER |
| BLACK | ATV06-18SB |



| KEY-C CONFIGURATION | |
|---------------------|-------------|
| COLOR | PART NUMBER |
| GREEN | ATV06-18SC |





| KEY-D CONFIGURATION | |
|---------------------|-------------|
| COLOR | PART NUMBER |
| BROWN | ATV06-18SD |




| | | | | | | |
|---|--|--|--|--------------|------|---|
| SEE CONFIGURATION CHART | | 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 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference = | | SIGNATURES | | DATE | | Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 PLUG, 18 PIN, ATV SERIES STANDARD DIAMETER WIRE SEAL |
| DRAWN: SULENZHANG | | ORION LI | | 19FEB19 | | |
| CHECKED: ORION LI | | TOMMY.XIE | | 19FEB19 | | |
| APPROVAL: TOMMY.XIE | | CUSTOMER: | | | | |
| MATERIAL 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. | | SIZE | TYPE | DWG NO: |
| NEXT ASSY: | | SCALE: NONE | | B | C- | ATV06-18SX |
| | | | | SHEET 2 OF 2 | | REVISION A2 |

TITLE: PLUG, 18 PIN, ATV SERIES, STANDARD DIAMETER WIRE SEAL
DWG NO: ATV06-18SX
REV: A2
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 (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 (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
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 Clinton Township, MI 48036 USA
www.amphenol-sine.com
 09/2021