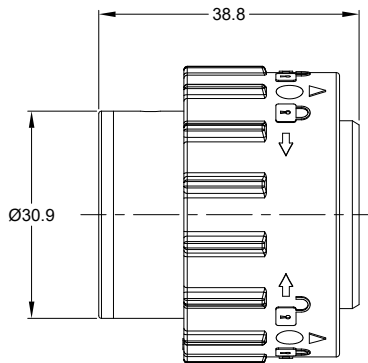
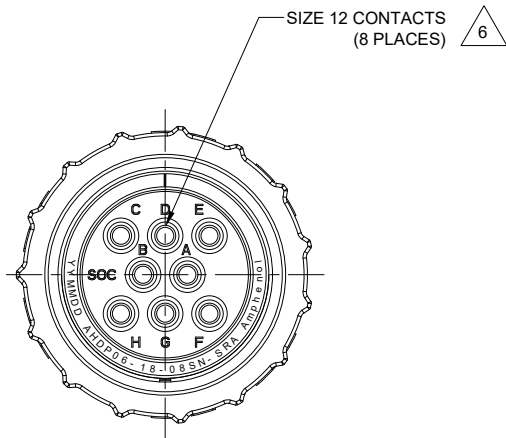
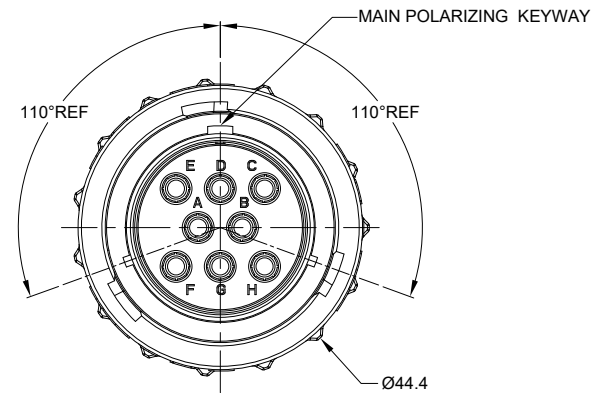




| REVISIONS |     |                     |           |     |       |
|-----------|-----|---------------------|-----------|-----|-------|
| REV       | ECO | DESCRIPTION         | DATE      | BY  | APPR  |
| A1        | --  | RELEASE NEW DRAWING | 19/AUG/20 | IAN | TOMMY |

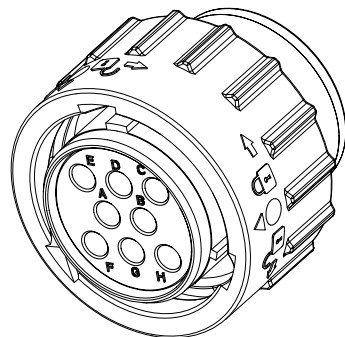


NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC; BLACK  
SEAL: SILICONE RUBBER
- MODIFICATIONS: SMOOTH RING ADAPTER;  
STANDARD DIA. WIRE SEAL
- SPECIFICATIONS:  
3.1 OPERATING TEMPERATURE: -55°C TO +125°C.  
3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2  
MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.  
3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.  
3.4 MOISTURE RESISTANCE: IP67&IP69K ( MATED CONDITION ).  
3.5 MATING CYCLE DURABILITY: 100 CYCLES  
3.6 RoHS COMPLIANT
- MATING PART: AHDP04-18-08P\* (\* = SEAL TYPE)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

△ CONTACT SIZE AND WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.   | TYPICAL WIRE RANGE     | CURRENT RATING |
|--------------|-------------------|-------------------|------------------------|----------------|
| 12           | 3.43 mm (.135 in) | 4.32 mm (.170 in) | 10-14 AWG (6.0-2.0mm²) | 25 AMPS        |



SMOOTH RING ADAPTER - GREEN

|                                                                                                           |  |                                                                                                                                                                                                                                                                      |  |
|-----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AHDP06-18-08SN-SRA                                                                                        |  | REF:HDP26-18-8SN                                                                                                                                                                                                                                                     |  |
| PART NUMBER                                                                                               |  | DESCRIPTION                                                                                                                                                                                                                                                          |  |
| QUANTITY                                                                                                  |  | ITEM                                                                                                                                                                                                                                                                 |  |
| MATERIALS LIST                                                                                            |  |                                                                                                                                                                                                                                                                      |  |
| UNLESS OTHERWISE SPECIFIED                                                                                |  | SIGNATURES                                                                                                                                                                                                                                                           |  |
| 1) All dimensions are in metric (mm).                                                                     |  | DATE                                                                                                                                                                                                                                                                 |  |
| 2) Tolerances are as follows:                                                                             |  | DRAWN: IAN XIAO                                                                                                                                                                                                                                                      |  |
| 1 PL DEC ±0.30                                                                                            |  | 19/AUG/20                                                                                                                                                                                                                                                            |  |
| 2 PL DEC ±0.15                                                                                            |  | CHECKED: ORION LI                                                                                                                                                                                                                                                    |  |
| 3 PL DEC ±0.08                                                                                            |  | 20/AUG/20                                                                                                                                                                                                                                                            |  |
| 3) Note reference =  |  | ENGINEER:                                                                                                                                                                                                                                                            |  |
| MATERIAL SPECIFICATIONS:                                                                                  |  | APPROVAL: TOMMY XIE                                                                                                                                                                                                                                                  |  |
| PROCESS SPECIFICATIONS:                                                                                   |  | 21/AUG/20                                                                                                                                                                                                                                                            |  |
| NEXT ASSY:                                                                                                |  | 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. |  |
| SIZE: B C-                                                                                                |  | DWG NO: AHDP06-18-08SN-SRA                                                                                                                                                                                                                                           |  |
| SCALE: NONE                                                                                               |  | REVISION: A1                                                                                                                                                                                                                                                         |  |
| SHEET 1                                                                                                   |  | OF 1                                                                                                                                                                                                                                                                 |  |

TITLE: PLUG, 18 SZ, 8 SOCKET, STD ARRANGEMENT, NORMAL SEAL, DURAMATE AHDP SERIES

DWG NO: AHDP06-18-08SN-SRA

REV: A1

SH: 1

OF: 1

# AHD, ARB, ATP, ATHD, DuraMate™ and PanelMate™ Series

## Size 12 Contact & Tooling Options

### Contacts - Machined

| Part Number        | Type   | Style    | Contact Size | Amp | Wire Range (AWG) | Wire Range (mm <sup>2</sup> ) | Insulation OD (mm) | Plating       | Reel Size | Packaging |
|--------------------|--------|----------|--------------|-----|------------------|-------------------------------|--------------------|---------------|-----------|-----------|
| AT60-204-12141-10  | Pin    | Machined | Size 12      | 25A | 10-12AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT60-204-12141     | Pin    | Machined | Size 12      | 25A | 12-14AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT60-220-1231      | Pin    | Machined | Size 12      | 25A | 12-14AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT60-204-12NKIT    | Pin    | Machined | Size 12      | 25A | 12-14AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT60-220-1231-1618 | Pin    | Machined | Size 12      | 25A | 16-18AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT60-220-1231-1820 | Pin    | Machined | Size 12      | 25A | 18-20AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-203-12141-10  | Socket | Machined | Size 12      | 25A | 10-12AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-203-12141     | Socket | Machined | Size 12      | 25A | 12-14AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-203-12NKIT    | Socket | Machined | Size 12      | 25A | 12-14AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-210-1231      | Socket | Machined | Size 12      | 25A | 12-14AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-210-1231-1618 | Socket | Machined | Size 12      | 25A | 16-18AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-210-1231-1820 | Socket | Machined | Size 12      | 25A | 18-20AWG         | -                             | -                  | Gold-Plated   | -         | -         |
|                    |        |          |              |     |                  |                               |                    |               |           |           |

### Contacts - Stamped & Formed

|                 |        |     |         |     |          |                        |               |               |   |             |
|-----------------|--------|-----|---------|-----|----------|------------------------|---------------|---------------|---|-------------|
| AT60-12-0222    | Pin    | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Nickel-Plated | - | -           |
| AT60-12-0222-LP | Pin    | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Nickel-Plated | - | Loose Piece |
| AT60-12-0244    | Pin    | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Gold-Plated   | - | -           |
| AT60-12-0244-LP | Pin    | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Gold-Plated   | - | Loose Piece |
| AT60-12-0144    | Pin    | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Gold-Plated   | - | -           |
| AT60-12-0144-LP | Pin    | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Gold-Plated   | - | Loose Piece |
| AT60-12-0166    | Pin    | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Nickel-Plated | - | -           |
| AT60-12-0166-LP | Pin    | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Nickel-Plated | - | Loose Piece |
| AT62-12-0222    | Socket | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Nickel-Plated | - | -           |
| AT62-12-0222-LP | Socket | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Nickel-Plated | - | Loose Piece |
| AT62-12-0244    | Socket | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Gold-Plated   | - | -           |
| AT62-12-0244-LP | Socket | S&F | Size 12 | 25A | 10-12AWG | 6.0-4.0mm <sup>2</sup> | 3.56 - 5.18mm | Gold-Plated   | - | Loose Piece |
| AT62-12-0144    | Socket | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Gold-Plated   | - | -           |
| AT62-12-0144-LP | Socket | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Gold-Plated   | - | Loose Piece |
| AT62-12-0166    | Socket | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Nickel-Plated | - | -           |
| AT62-12-0166-LP | Socket | S&F | Size 12 | 25A | 12-14AWG | 4.0-2.0mm <sup>2</sup> | 2.87 - 4.47mm | Nickel-Plated | - | Loose Piece |
|                 |        |     |         |     |          |                        |               |               |   |             |

### Tooling

| Part Number | Tool Name                                      | Style    | Contact Size  | Wire Range (AWG) | Material | Color |
|-------------|------------------------------------------------|----------|---------------|------------------|----------|-------|
| MFX-3966    | Contact Locator for Hand Crimp Tool M300-25A   | Machined | Size 12       | 10AWG            | -        | -     |
| AUTK-12     | Hand Crimp Tool                                | Machined | Size 12       | 10-18AWG         | -        | -     |
| M300-25A    | Hand Crimp Tool w MFX-3966 Locator             | Machined | Size 12       | 10-18AWG         | -        | -     |
| CA-5E12     | Pneumatic Crimp Tool                           | Machined | Size 12/16/20 | 12-26AWG         | -        | -     |
| CA-5D12     | Universal Hand Crimp Tool                      | Machined | Size 12/16/20 | 12-26AWG         | -        | -     |
| AUTK-100    | Universal Heavy Duty Contact Crimping Tool Kit | Machined | Size 12/16/20 | 12-26AWG         | -        | -     |

AHD, ARB, ATP, ATHD, DuraMate™ and PanelMate™ Series  
Size 12 Contact & Tooling Options, cont.

Tooling, cont.

| Part Number     | Tool Name                             | Style     | Contact Size | Wire Range (AWG) | Material      | Color  |
|-----------------|---------------------------------------|-----------|--------------|------------------|---------------|--------|
| MTX-3973-G or K | Crimp Die Press Applicator            | S&F       | Size 12      | 12AWG            | -             | -      |
| MTX-3985-G or K | Crimp Die Press Applicator            | S&F       | Size 12      | 10-12AWG         | -             | -      |
| ATT-12-00       | Hand Crimp Tool                       | S&F       | Size 12      | 12-14AWG         | -             | -      |
| ATT-12-01       | Hand Crimp Tool                       | S&F       | Size 12      | 10AWG            | -             | -      |
| ATRT-100        | Contact and Wedgelock Extraction Tool | Universal | Universal    | -                | Steel         | Silver |
| AT11-337-1205   | Contact Extraction Tool               | Universal | Size 12      | -                | Plastic       | Orange |
| A114017         | Seal Plug                             | Universal | Size 12/16   | -                | Thermoplastic | White  |
|                 |                                       |           |              |                  |               |        |

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