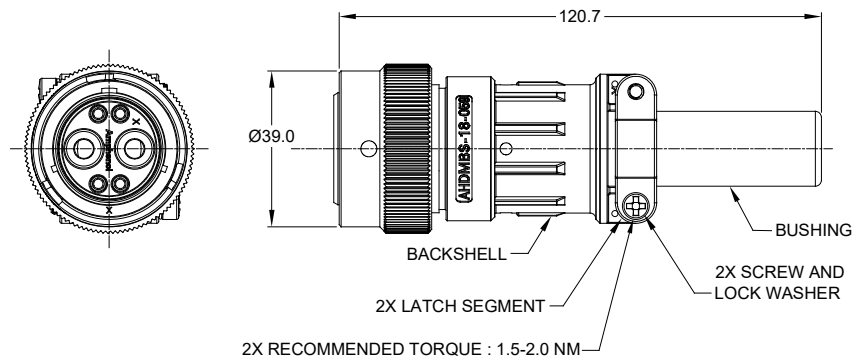


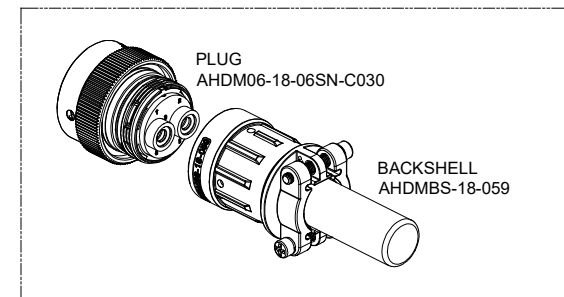
ASSEMBLED

| REVISIONS |     |             |           |         |      |
|-----------|-----|-------------|-----------|---------|------|
| REV       | ECO | DESCRIPTION | DATE      | BY      | APPR |
| A1        | --  | RELEASED    | 16MAR2020 | J. HEAD | DH   |

NOTES: UNLESS OTHERWISE SPECIFIED

1. PLUG MATERIAL:  
SHELL: ZINC ALLOY, NICKEL PLATED  
COUPLING RING: ALUMINUM ALLOY, NICKEL PLATED  
INSERT AND RETAINING RING: THERMOPLASTIC  
SEAL: SILICONE RUBBER
2. BACKSHELL MATERIAL:  
SHELL: ALUMINIUM ALLOY, NICKEL PLATED;  
LATCH SEGMENT: ALUMINIUM ALLOY, NICKEL PLATED;  
SCREW AND LOCK WASHER: STAINLESS STEEL;  
BUSHING: EPDM.
3. 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
4. APPLY BACKSHELL TO CABLE OD SIZE: Ø11.20-Ø19.30 . CAN BE  
USED WITH OR WITHOUT BUSHING.
5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
6. SEE SPECIFIC PLUG DRAWING FOR:  
6.1 CONTACT SIZE AND WIRE RANGE.  
6.2 RETAINING RING COLOR.  
6.3 MATING PART(S).  
6.4 CONTACT LAYOUT AND ALL OTHER SPECIFICATIONS.

KIT



|                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                      |           |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------|
| AHD06-18-06SN-C030-059                                                                                                                                                                                              |  | DESCRIPTION                                                                                                                                                                                                                                                          |           | ITEM                   |
| PART NUMBER                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                      |           |                        |
| QUANTITY                                                                                                                                                                                                            |  | MATERIALS LIST                                                                                                                                                                                                                                                       |           |                        |
| UNLESS OTHERWISE SPECIFIED:<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>Fractions ±1/64<br>Angles ±1°<br>3) Note reference = |  | SIGNATURES                                                                                                                                                                                                                                                           | DATE      |                        |
|                                                                                                                                                                                                                     |  | DRAWN: J. HEAD                                                                                                                                                                                                                                                       | 16MAR2020 |                        |
|                                                                                                                                                                                                                     |  | CHECKED:                                                                                                                                                                                                                                                             |           |                        |
|                                                                                                                                                                                                                     |  | ENGINEER:                                                                                                                                                                                                                                                            |           |                        |
|                                                                                                                                                                                                                     |  | APPROVAL:                                                                                                                                                                                                                                                            |           |                        |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                            |  | CUSTOMER:                                                                                                                                                                                                                                                            |           |                        |
| PROCESS 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. |           |                        |
| NEXT ASSY:                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                      |           |                        |
|                                                                                                                                                                                                                     |  | Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036                                                                                                                                                                             |           |                        |
|                                                                                                                                                                                                                     |  | DURAMATE AHD06 PLUG, SIZE 18, WD THD, KIT W/ CABLE CLAMP BACKSHELL                                                                                                                                                                                                   |           |                        |
|                                                                                                                                                                                                                     |  | SIZE                                                                                                                                                                                                                                                                 | TYPE      | DWG NO.                |
|                                                                                                                                                                                                                     |  | B                                                                                                                                                                                                                                                                    | C-        | AHD06-18-06SN-C030-059 |
|                                                                                                                                                                                                                     |  | SCALE                                                                                                                                                                                                                                                                | NONE      | REVISION               |
|                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                      |           | A1                     |
|                                                                                                                                                                                                                     |  | SHEET 1 OF 1                                                                                                                                                                                                                                                         |           |                        |

TITLE: KIT, PLUG AND BACKSHELL, SZ 18

DWG NO. AHD06-18-06SN-C030-059

REV: A1

SH 1

OF 1

ARB, ATHD and DuraMate™ Series

Size 4 Contact & Tooling Options

Contacts - Machined

| Part Number      | Type   | Style    | Contact Size | Amp  | Wire Range (AWG) | Wire Range (mm²) | Insulation OD (mm) | Plating       | Reel Size | Packaging |
|------------------|--------|----------|--------------|------|------------------|------------------|--------------------|---------------|-----------|-----------|
| AT60-203-04141-4 | Pin    | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT60-203-0431-4  | Pin    | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Gold-Plated   | -         | -         |
| AT60-204-0490    | Pin    | Machined | Size 4       | 100A | 6AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT62-203-04141   | Socket | Machined | Size 4       | 100A | 6AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT62-203-04141-4 | Socket | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Nickel-Plated | -         | -         |
| AT62-203-0431-4  | Socket | Machined | Size 4       | 100A | 4AWG             | -                | -                  | Gold-Plated   | -         | -         |
|                  |        |          |              |      |                  |                  |                    |               |           |           |

Tooling

| Part Number   | Tool Name                                  | Style    | Contact Size    | Wire Range (AWG) | Material | Color  |
|---------------|--------------------------------------------|----------|-----------------|------------------|----------|--------|
| 96-978-22     | Crimper and Die                            | Machined | Size 3.6mm-10mm | 10mm²-185mm²     | n/a      | n/a    |
| AT11-027-0405 | Contact Extraction Tool                    | Machined | Size 4          | 4AWG             | Plastic  | Black  |
| WA23          | Pneumatic Crimp Tool                       | Machined | -               | 8-0000AWG        | -        | -      |
| WA23-138DA    | WA23 Die Assembly for Pneumatic Crimp Tool | Machined | Size 4          | 4AWG             | -        | Silver |
| WA23-11       | WA23 Locator for Pneumatic Crimp Tool      | Machined | Size 4          | 4AWG             | -        | Blue   |
|               |                                            |          |                 |                  |          |        |

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