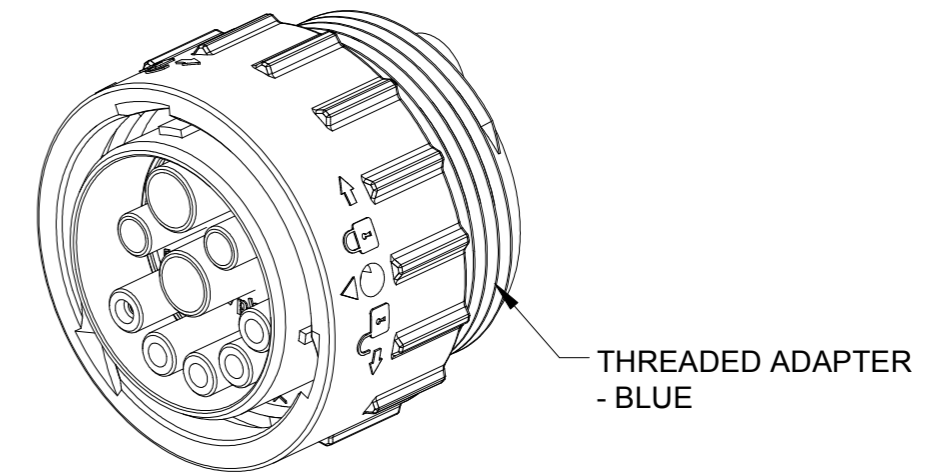
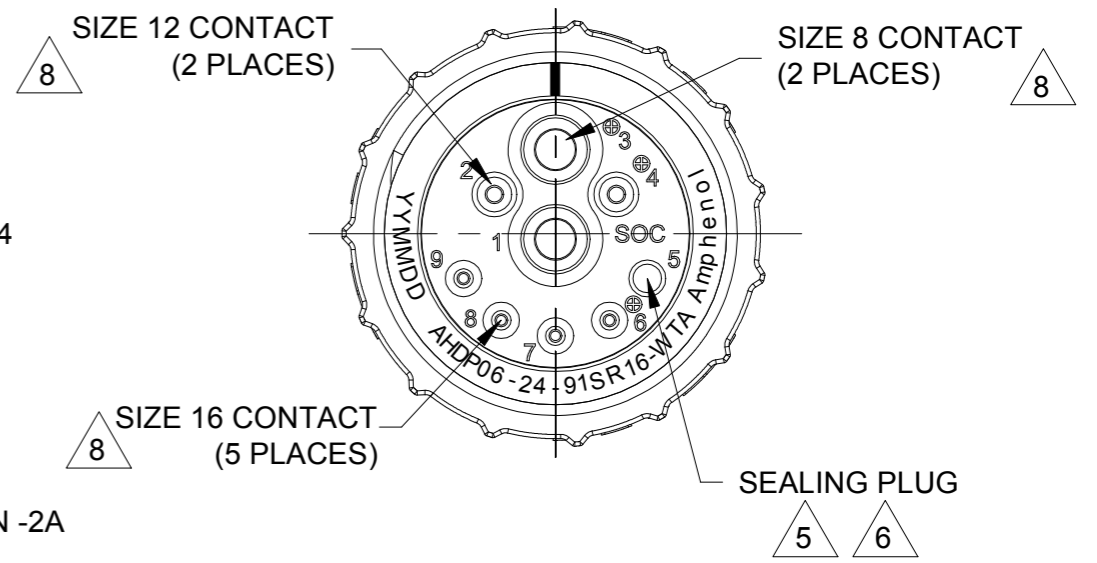


| REVISIONS |     |                     |         |     |       |
|-----------|-----|---------------------|---------|-----|-------|
| REV       | ECO | DESCRIPTION         | DATE    | BY  | APPR  |
| A1        | -   | RELEASE NEW DRAWING | 13NOV20 | IAN | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
HOUSING: THERMOPLASTIC; BLACK  
SEAL: SILICONE RUBBER
2. MODIFICATIONS: THREADED ADAPTER;  
REDUCED DIA. WIRE SEAL FOR SIZE 12 & SIZE 16;
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. MATING PART: AHDP04-24-91P\* -XXX (\* = SEAL TYPE ,XXX = ALL MODIFICATIONS).

5. CONTACTS 4 AND 5 ARE INTERNALLY CONNECTED.(BUILT-IN BRIDGE).
6. CAVITY 5 IS WITH CONTACT SIZE 16 AND THE GROMMET IS SEAL.
7. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

8. CONTACT SIZE AND WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D. | MAX. INSUL O.D. | TYPICAL WIRE RANGE                 | CURRENT RATING |
|--------------|-----------------|-----------------|------------------------------------|----------------|
| 8            | 6.50mm (.256in) | 7.42mm (.292in) | 6AWG (16.0-13.0mm <sup>2</sup> )   | 60AMPS         |
| 12           | 2.46mm (.097in) | 4.01mm (.158in) | 10-14AWG (6.0-2.0mm <sup>2</sup> ) | 25AMPS         |
| 16           | 1.35mm (.053in) | 3.05mm (.120in) | 14-20AWG (2.0-0.5mm <sup>2</sup> ) | 13AMPS         |

| AHDP06-24-91SR16-WTA   |                | PART NUMBER  |  | DESCRIPTION |         | ITEM                         |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
|--|----------------|--------------|--|-------------|---------|------------------------------|----------|----------------|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|--------------------------|--|--|------------|--|------|--|-------------------------|--|--|-----------------|--|---------|--|------------|--|--|-------------------|--|---------|--|--|--|--|-----------|--|--|--|--|--|--|---------------------|--|---------|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|--|-------------|--|---------|--|----------|--|------------------------------|--|--|--|--------------|--|---------|--|------|--|
| <table border="1"> <thead> <tr> <th>QUANTITY</th> <th colspan="6">MATERIALS LIST</th> </tr> </thead> <tbody> <tr> <td colspan="7">UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td colspan="7">1) All dimensions are in metric(mm).</td> </tr> <tr> <td colspan="7">2) Tolerances are as follows:</td> </tr> <tr> <td colspan="7">1 PL DEC ±0.30</td> </tr> <tr> <td colspan="7">2 PL DEC ±0.15</td> </tr> <tr> <td colspan="7">3 PL DEC ±0.08</td> </tr> <tr> <td colspan="7">3) Note reference = X</td> </tr> <tr> <td colspan="3">MATERIAL SPECIFICATIONS:</td> <td colspan="2">SIGNATURES</td> <td colspan="2">DATE</td> </tr> <tr> <td colspan="3">PROCESS SPECIFICATIONS:</td> <td colspan="2">DRAWN: IAN.XIAO</td> <td colspan="2">13NOV20</td> </tr> <tr> <td colspan="3">NEXT ASSY:</td> <td colspan="2">CHECKED: ORION.LI</td> <td colspan="2">16NOV20</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">ENGINEER:</td> <td colspan="2"></td> </tr> <tr> <td colspan="3"></td> <td colspan="2">APPROVAL: TOMMY.XIE</td> <td colspan="2">17NOV20</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">CUSTOMER:</td> <td colspan="2"></td> </tr> <tr> <td colspan="3"></td> <td colspan="4">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.</td> </tr> <tr> <td colspan="2">SCALE: NONE</td> <td colspan="2">SIZE: B</td> <td colspan="2">TYPE: C-</td> <td colspan="2">DWG NO: AHDP06-24-91SR16-WTA</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">REVISION: A1</td> <td colspan="2">SHEET 1</td> <td colspan="2">OF 1</td> </tr> </tbody> </table> |                |              |  |             |         |                              | 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 = X |  |  |  |  |  |  | MATERIAL SPECIFICATIONS: |  |  | SIGNATURES |  | DATE |  | PROCESS SPECIFICATIONS: |  |  | DRAWN: IAN.XIAO |  | 13NOV20 |  | NEXT ASSY: |  |  | CHECKED: ORION.LI |  | 16NOV20 |  |  |  |  | ENGINEER: |  |  |  |  |  |  | APPROVAL: TOMMY.XIE |  | 17NOV20 |  |  |  |  | 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. |  |  |  | SCALE: NONE |  | SIZE: B |  | TYPE: C- |  | DWG NO: AHDP06-24-91SR16-WTA |  |  |  | REVISION: A1 |  | SHEET 1 |  | OF 1 |  |
| 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 = X  |                |              |  |             |         |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
| MATERIAL SPECIFICATIONS:   |                |              | SIGNATURES   |             | DATE    |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
| PROCESS SPECIFICATIONS:  |                |              | DRAWN: IAN.XIAO  |             | 13NOV20 |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
| NEXT ASSY:   |                |              | CHECKED: ORION.LI  |             | 16NOV20 |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
|  |                |              | ENGINEER:  |             |         |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
|  |                |              | APPROVAL: TOMMY.XIE  |             | 17NOV20 |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
|  |                |              | 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. |             |         |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
| SCALE: NONE  |                | SIZE: B      |  | TYPE: C-    |         | DWG NO: AHDP06-24-91SR16-WTA |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
|  |                | REVISION: A1 |  | SHEET 1     |         | OF 1                         |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |
| <p><b>Amphenol</b></p> <p>Sine Systems - www.amphenol-sine.com<br/>44724 Morley Drive<br/>Clinton Township, MI 48036</p> <p>09POS,PLUG,SOCKET,24SZ,<br/>RD SEAL,WTA,DURAMATE AHDP</p>  |                |              |  |             |         |                              |          |                |  |  |  |  |  |                            |  |  |  |  |  |  |                                      |  |  |  |  |  |  |                               |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                |  |  |  |  |  |  |                       |  |  |  |  |  |  |                          |  |  |            |  |      |  |                         |  |  |                 |  |         |  |            |  |  |                   |  |         |  |  |  |  |           |  |  |  |  |  |  |                     |  |         |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |             |  |         |  |          |  |                              |  |  |  |              |  |         |  |      |  |

TITLE: 09POS,PLUG,SOCKET,24SZ,RD SEAL,WTA,DURAMATE AHDP  
DWG NO: AHDP06-24-91SR16-WTA  
REV: A1  
SH: 1  
OF: 1

# 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**  
 44724 Morley Drive  
 Clinton Township, MI 48036 USA  
[www.amphenol-sine.com](http://www.amphenol-sine.com)  
 09/2021

# MagnaMate™ ATHP - DuraMate™ AHDP - DuraMate™ AHDM Series - Contact Size 12 Options

| Machined Contacts, Sockets & Pins |  |      |       |          |
|-----------------------------------|--|------|-------|----------|
| Part Number                       | Description                            | Size | AWG   | Type     |
| AT60-204-12141-10                 | Male Contact - Pin, Nickel-plated      | 12   | 10-12 | Machined |
| AT62-203-12141-10                 | Female Contact - Socket, Nickel-plated | 12   | 10-12 | Machined |
| AT60-220-1231                     | Male Contact - Pin, Gold-plated        | 12   | 12-14 | Machined |
| AT62-210-1231                     | Female Contact - Socket, Gold-plated   | 12   | 12-14 | Machined |
| AT60-204-12141                    | Male Contact - Pin, Nickel-plated      | 12   | 12-14 | Machined |
| AT62-203-12141                    | Female Contact - Socket, Nickel-plated | 12   | 12-14 | Machined |

| DiagnosticGrade™ Machined Contacts, Sockets & Pins   |  |      |     |          |
|--|--|------|-----|----------|
| • Smaller AWG for Diagnostic Applications • Gold-plated • Increased Mating Cycles • Cost-effective |  |      |     |          |
| Part Number  | Description  | Size | AWG | Type     |
| 65-54749   | Male Contact - DiagnosticGrade™, Pin, Gold-plated      | 12   | 20  | Machined |
| AT62-210-1231-1820   | Female Contact - DiagnosticGrade™, Socket, Gold-plated | 12   | 20  | 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                            |
|  | AT11-337-1205 | Contact Removal Tool, Plastic, Size 12 |
|  | A114017       | Sealing Plug, Size 12, White           |


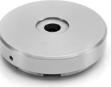


| Stamped & Formed Contacts, Sockets & Pins |  |      |       |                  |
|---|--|------|-------|------------------|
| Part Number                               | Description                            | Size | AWG   | Type             |
| AT60-12-0244                              | Male Contact - Pin, Gold-plated        | 12   | 10-12 | Stamped & Formed |
| AT62-12-0244                              | Female Contact - Socket, Gold-plated   | 12   | 10-12 | Stamped & Formed |
| AT60-12-0222                              | Male Contact - Pin, Nickel-plated      | 12   | 10-12 | Stamped & Formed |
| AT62-12-0222                              | Female Contact - Socket, Nickel-plated | 12   | 10-12 | Stamped & Formed |
| AT60-12-0144                              | Male Contact - Pin, Gold-plated        | 12   | 12-14 | Stamped & Formed |
| AT62-12-0144                              | Female Contact - Socket, Gold-plated   | 12   | 12-14 | Stamped & Formed |
| AT60-12-0166                              | Male Contact - Pin, Nickel-plated      | 12   | 12-14 | Stamped & Formed |
| AT62-12-0166                              | Female Contact - Socket, Nickel-plated | 12   | 12-14 | Stamped & Formed |


| Tooling - Stamped & Formed Contacts   |             |   |
|---|-------------|---|
| Part  | Part Number | Description   |
|  | MFX-3973    | Crimp Die - Size 12 (S&F contacts only)                       |
|   | MFX-3985    | Crimp Die - Size 12 (S&F contacts only) 10-12AWG -02XX Series |
|  | ATT-12-00   | Hand Crimp Tool - Size 12, 12AWG (S&F contacts only)          |
|   | ATT-12-01   | Hand Crimp Tool - Size 12, 10AWG (S&F contacts only)          |

**Amphenol Sine Systems**  
 44724 Morley Drive  
 Clinton Township, MI 48036 USA  
[www.amphenol-sine.com](http://www.amphenol-sine.com)  
 01/2022

## DuraMate™ ATHD Series™ - Contact Size 8 Options

| Machined Contacts, Pins and Sockets |  |      |      |          |      |
|-------------------------------------|--|------|------|----------|------|
| Part Number                         | Description  | Size | AWG  | Type     | Amps |
| AT60-204-08141                      | Male Contact - Pin, Copper Alloy, Nickel-Plated      | 8    | 8-10 | Machined | 60A  |
| AT62-203-08141                      | Female Contact - Socket, Copper Alloy, Nickel-Plated | 8    | 8-10 | Machined | 60A  |

| Tooling - Machined Contacts   |             |  |
|---|-------------|--|
| Part  | Part Number | Description  |
|  | WA23        | Heavy Duty Pneumatic Crimp Tool<br>-Uses Universal Positioner Part No. WA23-101DA and Crimp Locator MFX-3961 |
|  | WA23-2      | Die Assembly<br>-for CA-5E12 Heavy Duty Pneumatic Crimp Tool, Size 8   |
|  | WA23-10     | Contact Locator, Size 8  |
|  | 96-978-22   | Crimper and Dies<br>-for Size 10mm <sup>2</sup> -185mm <sup>2</sup> Wires                                    |

| Contact Removal Tools   |             |  |
|---|-------------|--|
| Part  | Part Number | Description                                    |
|  | AT114008    | Contact Removal Tool, Plastic, Size 8, 8-10AWG |