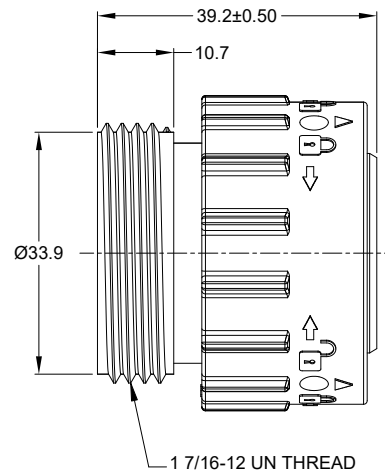
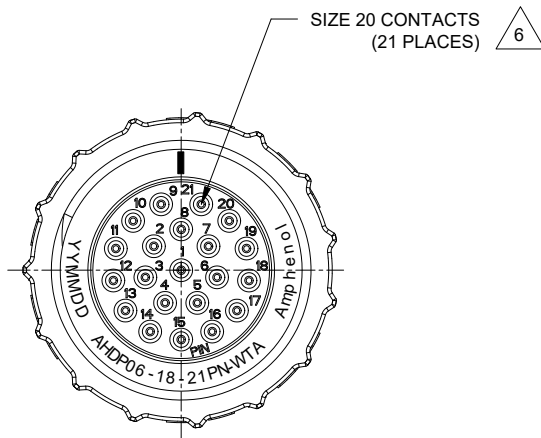
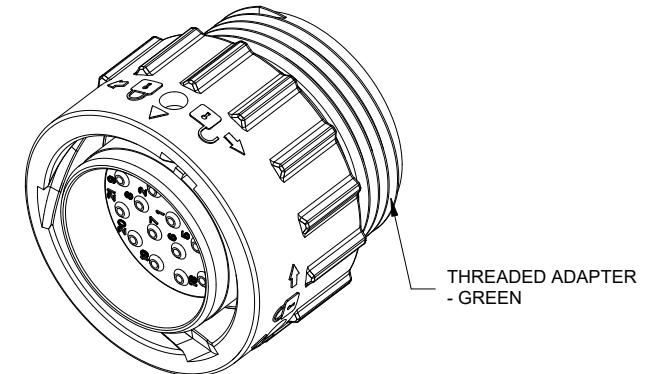
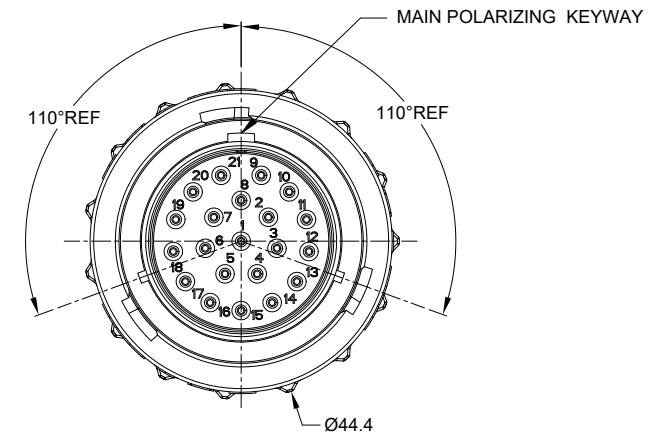




| REVISIONS |     |                                        |           |       |       |
|-----------|-----|----------------------------------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION                            | DATE      | BY    | APPR  |
| A1        | --  | RELEASE NEW DRAWING                    | 07JUL18   | JONY  | TOMMY |
| A2        | --  | UPDATE MAX. INSUL O.D. FOR 20# CONTACT | 03MAR20   | PETER | TOMMY |
| A3        | --  | UPDATE THE DIMENTION                   | 10/MAR/21 | LOUIE | TOMMY |



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC; BLACK  
SEAL: SILICONE RUBBER
- MODIFICATIONS: THREADED ADAPTER;
- 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:  
IP68(1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);  
IP69K(MATED CONDITION)  
3.5 MATING CYCLE DURABILITY: 100 CYCLES  
3.6 RoHS COMPLIANT

4. MATING PART: AHP04-18-21S\* (\* = SEAL TYPE)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D.  | MAX. INSUL O.D.   | TYPICAL WIRE RANGE                   | CURRENT RATING |
|--------------|------------------|-------------------|--------------------------------------|----------------|
| 20           | 1.02 mm (.040in) | 2.41 mm (.095 in) | 16-22 AWG (1.5-0.35mm <sup>2</sup> ) | 7.5 AMPS       |

| AHP06-18-21PN-WTA                    |             | REF: HDP26-18-21PN-L024                                                                                                                                                                                                                                              |      |
|--------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| QUANTITY                             | PART NUMBER | DESCRIPTION                                                                                                                                                                                                                                                          | ITEM |
| MATERIALS LIST                       |             |                                                                                                                                                                                                                                                                      |      |
| UNLESS OTHERWISE SPECIFIED           |             | SIGNATURES                                                                                                                                                                                                                                                           |      |
| 1) All dimensions are in metric(mm). |             | DATE                                                                                                                                                                                                                                                                 |      |
| 2) Tolerances are as follows:        |             | DRAWN: LOUIE.YIN                                                                                                                                                                                                                                                     |      |
| 1 PL DEC ±0.30                       |             | 10/MAR/21                                                                                                                                                                                                                                                            |      |
| 2 PL DEC ±0.15                       |             | CHECKED: ORION.LI                                                                                                                                                                                                                                                    |      |
| 3 PL DEC ±0.08                       |             | 11/MAR/21                                                                                                                                                                                                                                                            |      |
| 3) Note reference =                  |             | ENGINEER:                                                                                                                                                                                                                                                            |      |
| MATERIAL SPECIFICATIONS:             |             | APPROVAL: TOMMY.XIE                                                                                                                                                                                                                                                  |      |
| WEIGHT: 45.4g                        |             | 12/MAR/21                                                                                                                                                                                                                                                            |      |
| PROCESS SPECIFICATIONS:              |             | CUSTOMER:                                                                                                                                                                                                                                                            |      |
| NEXT ASSY:                           |             | 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                                                                                                                                                                                                                                                                 |      |
| B                                    |             | C-                                                                                                                                                                                                                                                                   |      |
| SCALE                                |             | NONE                                                                                                                                                                                                                                                                 |      |
| DWG NO:                              |             | REVISION                                                                                                                                                                                                                                                             |      |
| AHP06-18-21PN-WTA                    |             | A3                                                                                                                                                                                                                                                                   |      |
| DURAWATE                             |             | SHEET 1 OF 1                                                                                                                                                                                                                                                         |      |

TITLE: PLUG,18-21 POS,PIN CONTACT, STANDARD DIA. SEAL, AHP  
DWG NO: AHP06-18-21PN-WTA  
REV: A3  
SH: 1  
OF: 1

# ATM, DuraMate™ and PanelMate™ Series

## Size 20 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 |
|-------------------|--------|----------|--------------|------|------------------|-------------------------------|--------------------|---------------|-----------|-----------|
| AT60-010-20141    | Pin    | Machined | Size 20      | 7.5A | 16-18AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT60-010-2031     | Pin    | Machined | Size 20      | 7.5A | 16-18AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT60-202-20NKIT   | Pin    | Machined | Size 20      | 7.5A | 18-22AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT60-202-20141    | Pin    | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT60-202-2031     | Pin    | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT60-202-2031-22  | Pin    | Machined | Size 20      | 5A   | 22-26AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT60-202-20141-22 | Pin    | Machined | Size 20      | 5A   | 22-26AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-005-20141    | Socket | Machined | Size 20      | 7.5A | 16-18AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-005-2031     | Socket | Machined | Size 20      | 7.5A | 16-18AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-201-20NKIT   | Socket | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-201-20141    | Socket | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-201-2031     | Socket | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-20-0422      | Socket | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Nickel-Plated | -         | -         |
| AT62-20-0444      | Socket | Machined | Size 20      | 7.5A | 20-22AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-201-2031-22  | Socket | Machined | Size 20      | 5A   | 22-26AWG         | -                             | -                  | Gold-Plated   | -         | -         |
| AT62-201-20141-22 | Socket | Machined | Size 20      | 5A   | 22-26AWG         | -                             | -                  | Nickel-Plated | -         | -         |
|                   |        |          |              |      |                  |                               |                    |               |           |           |

### Contacts - Stamped & Formed

|                 |        |     |         |      |          |                         |               |               |   |             |
|-----------------|--------|-----|---------|------|----------|-------------------------|---------------|---------------|---|-------------|
| AT60-20-0122    | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Nickel-Plated | - | -           |
| AT60-20-0122-LP | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Nickel-Plated | - | Loose Piece |
| AT60-20-0144    | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Gold-Plated   | - | -           |
| AT60-20-0144-LP | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Gold-Plated   | - | Loose Piece |
| AT60-20-0222    | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.30 - 2.16mm | Nickel-Plated | - | -           |
| AT60-20-0244    | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.30 - 2.16mm | Gold-Plated   | - | -           |
| AT60-20-0277    | Pin    | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.30 - 2.16mm | Tin-Plated    | - | -           |
| AT60-20-0422    | Pin    | S&F | Size 20 | 7.5A | 20-22AWG | 0.5-0.35mm <sup>2</sup> | 1.25 - 1.8mm  | Nickel-Plated | - | -           |
| AT60-20-0444    | Pin    | S&F | Size 20 | 7.5A | 20-22AWG | 0.5-0.35mm <sup>2</sup> | 1.25 - 1.8mm  | Gold-Plated   | - | -           |
| AT62-20-0122    | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Nickel-Plated | - | -           |
| AT62-20-0122-LP | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Nickel-Plated | - | Loose Piece |
| AT62-20-0144    | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Gold-Plated   | - | -           |
| AT62-20-0144-LP | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.91 - 3.15mm | Gold-Plated   | - | Loose Piece |
| AT62-20-0222    | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.30 - 2.16mm | Nickel-Plated | - | -           |
| AT62-20-0244    | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.30 - 2.16mm | Gold-Plated   | - | -           |
| AT62-20-0277    | Socket | S&F | Size 20 | 7.5A | 16-22AWG | 1.5-0.35mm <sup>2</sup> | 1.30 - 2.16mm | Tin-Plated    | - | -           |
| AT62-20-0422    | Socket | S&F | Size 20 | 7.5A | 20-22AWG | 0.5-0.35mm <sup>2</sup> | 1.25 - 1.8mm  | Nickel-Plated | - | -           |
| AT62-20-0444    | Socket | S&F | Size 20 | 7.5A | 20-22AWG | 0.5-0.35mm <sup>2</sup> | 1.25 - 1.8mm  | Gold-Plated   | - | -           |

ATM, DuraMate™ and PanelMate™ Series  
Size 20 Contact & Tooling Options, cont.

Tooling

| Part Number       | Tool Name                                      | Style     | Contact Size  | Wire Range (AWG) | Material      | Color  |
|-------------------|------------------------------------------------|-----------|---------------|------------------|---------------|--------|
| AUTK-20           | Hand Crimp Tool                                | Machined  | Size 20       | 12-26AWG         | -             | -      |
| AUTK-100          | Universal Heavy Duty Contact Crimping Tool Kit | Machined  | Size 12/16/20 | 12-26AWG         | -             | -      |
| CA-5D12           | Universal Hand Crimp Tool                      | Machined  | Size 12/16/20 | 12-26AWG         | -             | -      |
| CA-5E12           | Pneumatic Crimp Tool                           | Machined  | Size 12/16/20 | 12-26AWG         | -             | -      |
| MFx-3974-G or K   | Crimp Die Press Applicator                     | S&F       | Size 20       | 20AWG            | -             | -      |
| MFx-3976-G or K   | Crimp Die Press Applicator                     | S&F       | Size 20       | 20-22AWG         | -             | -      |
| MFx-3978-G or K   | Crimp Die Press Applicator                     | S&F       | Size 20       | 20-22AWG         | -             | -      |
| ATT-20-00         | Hand Crimp Tool                                | S&F       | Size 20       | 16-20AWG         | -             | -      |
| ATRT-100          | Contact and Wedgelock Extraction Tool          | Universal | Universal     | -                | Steel         | Silver |
| AT11-240-2005     | Contact Extraction Tool                        | Universal | Size 20       | -                | Plastic       | Red    |
| AT13-204-2005     | Seal Plug                                      | Universal | Size 20       | -                | Thermoplastic | White  |
| AT13-204-2005-SR  | Seal Plug                                      | Universal | Size 20       | n/a              | Thermoplastic | Black  |
| ATM13-217-2005    | Locking Seal Plug                              | Universal | Size 20       | -                | Thermoplastic | Grey   |
| ATM13-217-2005-SR | Locking Seal Plug                              | Universal | Size 20       | -                | Thermoplastic | Blue   |
|                   |                                                |           |               |                  |               |        |