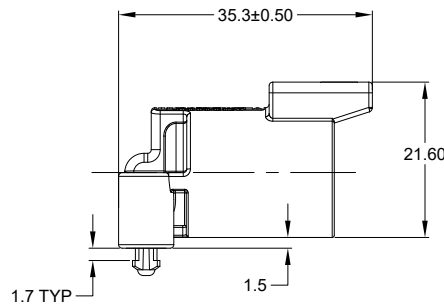
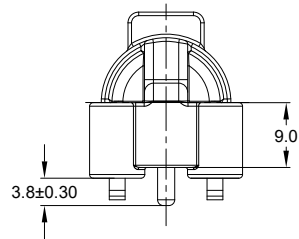
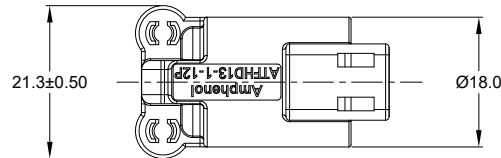
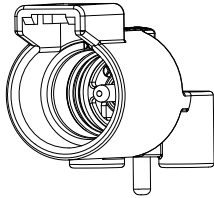
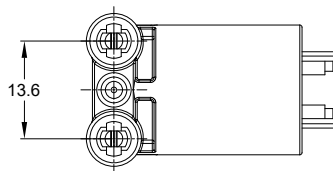


RECOMMENDED PCB LAYOUT

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR:BLACK  
CONTACT: COPPER ALLOY  
SEAL:SILICONE RUBBER
- MODIFICATIONS :RIGHT ANGLE PCB MOUNT,SNAP FIT
- SPECIFICATIONS:
  - CURRENT RATING: 25 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:ATHD06-1-12S-XX PLUG (XX = MODIFICATIONS )
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



| ATFHD13-1-12P-BM0X VARIANTS |                    |                |
|-----------------------------|--------------------|----------------|
| CONTACT PLATING             | PART NUMBER        | WEIGHT (GRAMS) |
| GOLD                        | ATFHD13-1-12P-BM01 | 7.60           |
| TIN                         | ATFHD13-1-12P-BM03 | 7.60           |

| REVISIONS |     |                  |           |      |       |
|-----------|-----|------------------|-----------|------|-------|
| REV       | ECO | DESCRIPTION      | DATE      | BY   | APPR  |
| A1        | -   | RELEASED DRAWING | MAY-10-21 | VITO | TOMMY |

|                                                                                                                                                                                                                                                                                                                                                                      |      |                                                                                                                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                      |      | ATFHD13-1-12P-BM0X                                                                                                                                                                                                                                                   |              |                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      | PART NUMBER                                                                                                                                                                                                                                                          |              | DESCRIPTION                                                                                                                                                                                                                                                                       |  |
| QUANTITY                                                                                                                                                                                                                                                                                                                                                             |      | ITEM                                                                                                                                                                                                                                                                 |              |                                                                                                                                                                                                                                                                                   |  |
| MATERIALS LIST                                                                                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                   |  |
| <div>UNLESS OTHERWISE SPECIFIED</div> <div>1) All dimensions are in metric(mm).</div> <div>2) Tolerances are as follows:</div> <div>1 PL DEC ±0.30     Fractions ±1/64</div> <div>2 PL DEC ±0.15     Angles ±1°</div> <div>3 PL DEC ±0.08</div> <div>3) Note reference = </div> |      | SIGNATURES                                                                                                                                                                                                                                                           |              | DATE                                                                                                                                                                                                                                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      | DRAWN: VITO LI                                                                                                                                                                                                                                                       |              | MAY-10-21                                                                                                                                                                                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      | CHECKED: ORION LI                                                                                                                                                                                                                                                    |              | MAY-12-21                                                                                                                                                                                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      | ENGINEER:                                                                                                                                                                                                                                                            |              |                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      | APPROVAL: TOMMY XIE                                                                                                                                                                                                                                                  |              | MAY-13-21                                                                                                                                                                                                                                                                         |  |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                                                                                                                             |      | CUSTOMER:                                                                                                                                                                                                                                                            |              | <div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a></div> <div>44724 Morley Drive</div> <div>Clinton Township, MI 48036</div> <div>1 POS,RIGHT ANGLE RECEPTACLE,PIN,</div> <div>BOARDLOCK,ATHD SERIES,SIZE 12,SNAP FIT</div> |  |
| 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:                                                                                                                                                                                                                                                                                                                                                           |      |                                                                                                                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      |                                                                                                                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                      |      |                                                                                                                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                   |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                                 | TYPE | DWG NO.                                                                                                                                                                                                                                                              | REVISION     |                                                                                                                                                                                                                                                                                   |  |
| B                                                                                                                                                                                                                                                                                                                                                                    | C-   | ATFHD13-1-12P-BM0X                                                                                                                                                                                                                                                   | A1           |                                                                                                                                                                                                                                                                                   |  |
| SCALE:                                                                                                                                                                                                                                                                                                                                                               | NONE |                                                                                                                                                                                                                                                                      | SHEET 1 OF 1 |                                                                                                                                                                                                                                                                                   |  |

TITLE: 1 POS,RIGHT ANGLE RECEPTACLE,BOARDLOCK,ATHD SERIES,SIZE 12,SNAP FIT  
DWG NO.: ATFHD13-1-12P-BM0X  
REV: A1  
SH: 1  
OF: 1