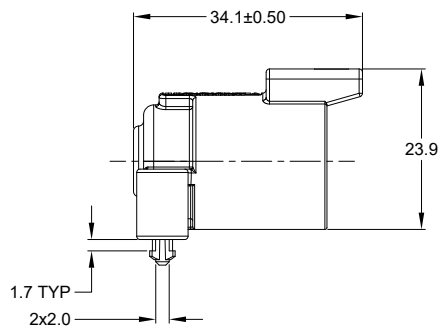
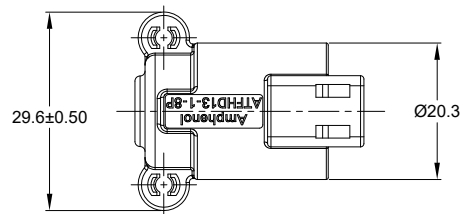
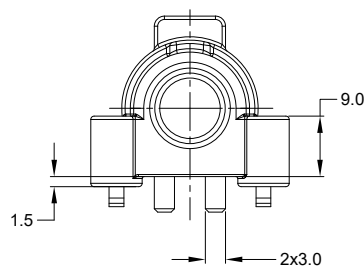
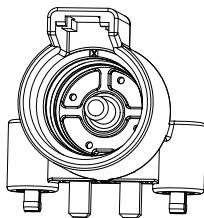
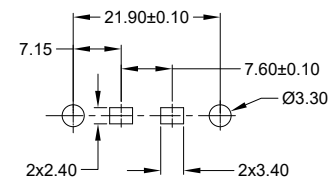
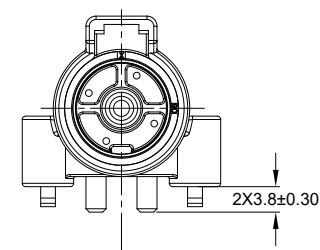


| REVISIONS |     |                  |           |      |       |
|-----------|-----|------------------|-----------|------|-------|
| REV       | ECO | DESCRIPTION      | DATE      | BY   | APPR  |
| A1        | -   | RELEASED DRAWING | MAY-10-21 | VITO | TOMMY |



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: 60 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:ATHD06-1-8S-XX PLUG(XX = MODIFICATIONS )
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| ATFD13-1-8P-BM0X VARIANTS          |                  |                |
|------------------------------------|------------------|----------------|
| CONTACT PLATING                    | PART NUMBER      | WEIGHT (GRAMS) |
| MATING END: GOLD<br>PCB END: TIN   | ATFD13-1-8P-BM01 | 13.1           |
| MATING END: NICKEL<br>PCB END: TIN | ATFD13-1-8P-BM03 | 13.1           |

|                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| ATFHD13-1-8P-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</div> <div>2 PL DEC ±0.15</div> <div>3 PL DEC ±0.08</div> <div>3) Note reference = </div> |  | <div>SIGNATURES      DATE</div> <div>DRAWN: VITO LI      MAY-10-21</div> <div>CHECKED: ORION LI      MAY-12-21</div> <div>ENGINEER:</div> <div>APPROVAL: TOMMY XIE      MAY-13-21</div> <div>CUSTOMER:</div>                                                                    |  |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                                                                                          |  | <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>                                                                                                                  |  |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                                                                                           |  | <div>1 POS,RIGHT ANGLE RECEPTACLE,PIN,</div> <div>BOARDLOCK,ATHD SERIES,SIZE 8,SNAP FIT</div>                                                                                                                                                                                   |  |
| NEXT ASSY:                                                                                                                                                                                                                                                                                                                        |  | <div>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.</div> |  |
|                                                                                                                                                                                                                                                                                                                                   |  | <div>SIZE      TYPE      DWG NO.      REVISION</div> <div>B      C-      ATFHD13-1-8P-BM0X      A1</div> <div>SCALE: NONE      SHEET 1 OF 1</div>                                                                                                                               |  |

TITLE: 1 POS,RIGHT ANGLE RECEPTACLE,PIN,ATHD SERIES,SIZE 8,SNAP FIT  
DWG NO: ATFD13-1-8P-BM0X  
REV: A1  
SH: 1  
OF: 1