



RECOMMENDED PCB LAYOUT

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
HOUSING: THERMOPLASTIC; COLOR: BLACK
CONTACT: COPPER ALLOY
PLATING: NICKEL UNDERPLATE
SEE CHART FOR OVERALL FINISH
2. MODIFICATIONS: RIGHT ANGLE PCB MOUNT, SCREW BOSS
3. SPECIFICATIONS:
3.1 CURRENT RATING: 13 AMPS
3.2 OPERATING TEMPERATURE: -55°C TO +125°C
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
3.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
3.6 MATING CYCLE DURABILITY: 100 CYCLES
3.7 RoHS COMPLIANT
4. MATING PART: AT06-2S* PLUG
(* = MODIFICATIONS AND COLORS)
5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| ATF13-2P-BM1X VARIANTS | |
|------------------------|---------------|
| CONTACT PLATING | PART NUMBER |
| GOLD | ATF13-2P-BM11 |
| TIN | ATF13-2P-BM13 |

| REVISIONS | | | | | |
|-----------|-----|----------------------|-----------|-------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE | 02JUL2018 | JAH | |
| A2 | - | UPDATE DRAWING | 25/MAR/19 | BROOK | TOMMY |
| A3 | - | MODIFIED DESCRIPTION | 12JUL19 | BROOK | TOMMY |

TITLE: RIGHT ANGLE RECEPT, AT 2 PIN, SCREW BOSS BOARDLOCK
DWG NO: ATF13-2P-BM1X
REV: A3
SH: 1
OF: 1

| SEE PART NUMBER CHART | | REF: DTF13-2P | | ITEM |
|--|--|--|-----------|---|
| PART NUMBER | | DESCRIPTION | | |
| 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 Fractions ±1/64 Angles ±1° | | SIGNATURES | DATE | <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> |
| MATERIAL SPECIFICATIONS: | | DRAWN: BROOKING | 12/JUL/19 | |
| PROCESS SPECIFICATIONS: | | CHECKED: ORION LI | 12/JUL/19 | |
| NEXT ASSY: | | ENGINEER: | | |
| | | APPROVAL: TOMMY XIE | 12/JUL/19 | RIGHT ANGLE RECEPTACLE, AT 2 PIN, SCREW BOSS, BOARDLOCK |
| | | 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. | | REVISION |
| | | SIZE: B | TYPE: C | DWG NO: ATF13-2P-BM1X |
| | | SCALE: NONE | | A3 |
| | | SHEET 1 OF 1 | | |