



RECOMMENDED PCB LAYOUT

| REVISIONS | | | | | |
|-----------|-----|----------------------|-----------|-------|-------|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE | 2JUL2018 | JAH | |
| A2 | - | UPDATE DRAWING | 18/MAR/19 | BROOK | TOMMY |
| A3 | - | MODIFIED DESCRIPTION | 12JUL19 | BROOK | TOMMY |

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
 - HOUSING: THERMOPLASTIC; COLOR: BLACK
 - CONTACT: COPPER ALLOY
 - PLATING: NICKEL UNDERPLATE
 - SEE CHART FOR OVERALL FINISH
- MODIFICATIONS: RIGHT ANGLE PCB MOUNT, SNAP FIT, KEYED FOR SAE J1939.
- 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
- MATING PART: AT06-3S* PLUG
(* = MODIFICATIONS AND COLORS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| ATF13-3P-BMOXJ1939 VARIANTS | |
|-----------------------------|--------------------|
| CONTACT PLATING | PART NUMBER |
| GOLD | ATF13-3P-BM01J1939 |
| TIN | ATF13-3P-BM03J1939 |

| SEE PART NUMBER CHART | | REF: DTF13-3P-1939 | | |
|---------------------------------------|----------------|--|--|--------------|
| PART NUMBER | | DESCRIPTION | | |
| QUANTITY | MATERIALS LIST | | | ITEM |
| UNLESS OTHERWISE SPECIFIED: | | SIGNATURES | | DATE |
| 1) All dimensions are in metric (mm). | | DRAWN: BROOKING | | 12/JUL/19 |
| 2) Tolerances are as follows: | | CHECKED: ORION LI | | 12/JUL/19 |
| 1 PL DEC ±0.30 | | ENGINEER: | | |
| 2 PL DEC ±0.15 | | APPROVAL: TOMMY XIE | | 12/JUL/19 |
| 3 PL DEC ±0.08 | | CUSTOMER: | | |
| 3) Note reference = | | 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. | | |
| MATERIAL SPECIFICATIONS: | | CUSTOMER: | | |
| PROCESS SPECIFICATIONS: | | SIZE | | TYPE |
| NEXT ASSY: | | SCALE: NONE | | |
| | | DWG NO: B C- ATF13-3P-BMOXJ1939 | | REVISION: A3 |
| | | SINE SYSTEMS - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 | | |
| | | RIGHT ANGLE RECEPTACLE, AT 3 PIN, SNAP FIT, BOARDLOCK, J1939 | | |
| | | SHEET 1 OF 1 | | |

TITLE: RIGHT ANGLE RECEPT, AT 3 PIN, SNAP FIT, BOARDLOCK, J1939
 DWG NO: ATF13-3P-BMOXJ1939
 REV: A3
 SH: 1
 OF: 1