

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: THERMOPLASTIC  
CONTACT: COPPER ALLOY  
PLATING: NICKEL UNDERPLATE  
SEE CHART FOR OVERALL FINISH

2. MODIFICATIONS: RIGHT ANGLE PCB MOUNT, SCREW BOSS, KEYED, HOUSING COLOR

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: AT06-6S\* PLUG

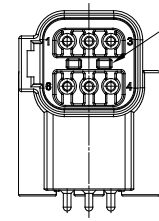
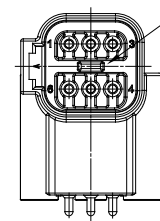
(\* = MODIFICATIONS AND COLORS )

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

REVISIONS

| REV | ECO | DESCRIPTION          | DATE      | BY    | APPR  |
|-----|-----|----------------------|-----------|-------|-------|
| A1  | -   | RELEASE              | 19/MAR/19 | BROOK | TOMMY |
| A2  | -   | MODIFIED DESCRIPTION | 12JUL19   | BROOK | TOMMY |

ATF13-6PX-BM3X VARIANTS



| PART NUMBER   | CONTACT PLATING | HSG COLOR |
|---------------|-----------------|-----------|
| ATF13-6P-BM31 | GOLD            | BLACK     |
| ATF13-6P-BM33 | TIN             | BLACK     |

| PART NUMBER       | CONTACT PLATING | HSG COLOR |
|-------------------|-----------------|-----------|
| ATF13-6P2-BM31BLU | GOLD            | BLUE      |
| ATF13-6P2-BM33BLU | TIN             | BLUE      |

|                                                                                                                                                                                    |  |                |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEE PART NUMBER CHART                                                                                                                                                              |  | PART NUMBER    |  | DESCRIPTION                                                                                                                                                                                                                                                          |  | ITEM                                                                                                                                                                     |
| QUANTITY                                                                                                                                                                           |  | MATERIALS LIST |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                          |
| UNLESS OTHERWISE SPECIFIED:<br>1) All dimensions are in metric (mm).<br>2) Tolerances are as follows:<br>1 PL DEC ±0.30<br>2 PL DEC ±0.15<br>3 PL DEC ±0.08<br>3) Note reference = |  | SIGNATURES     |  | DATE                                                                                                                                                                                                                                                                 |  | <br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036<br><br>RIGHT ANGLE RECEPTACLE, AT 6 PIN,<br>SCREW BOSS, BOARDLOCK, EXT. HGT |
| DRAWN: BROOKING                                                                                                                                                                    |  | 12/JUL/19      |  | CHECKED: ORION LI                                                                                                                                                                                                                                                    |  |                                                                                                                                                                          |
| ENGINEER: TOMMY XIE                                                                                                                                                                |  | 12/JUL/19      |  | APPROVAL: TOMMY XIE                                                                                                                                                                                                                                                  |  |                                                                                                                                                                          |
| MATERIAL SPECIFICATIONS:                                                                                                                                                           |  | 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. |  |                                                                                                                                                                          |
| PROCESS SPECIFICATIONS:                                                                                                                                                            |  | NEXT ASSY:     |  | SIZE: B C- TYPE: ATF13-6PX-BM3XXXX                                                                                                                                                                                                                                   |  | REVISION: A2                                                                                                                                                             |
| SCALE: NONE                                                                                                                                                                        |  | SHEET 1 OF 1   |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                          |