



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		ITEM	
MATERIALS LIST			
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:		<p style="text-align: center;">Amphenol</p> <p style="text-align: center;">Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>	
PROCESS SPECIFICATIONS:		<p style="text-align: center;">RIGHT ANGLE RECEPTACLE, AT 3 PIN, SNAP FIT, BOARDLOCK, J1939</p>	
NEXT ASSY:		SIZE: B	TYPE: C
		DWG NO: ATF13-3P-BMOXJ1939	REVISION: A3
		SCALE: NONE	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