



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: AT06-4S* PLUG
(* = MODIFICATIONS AND COLORS)
5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

ATF13-4P-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-4P-BM11
TIN	ATF13-4P-BM13

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

TITLE: RIGHT ANGLE RECEPT. AT 4 PIN, SCREW BOSS BOARDLOCK
DWG NO: ATF13-4P-BM1X
REV: A3
SH: 1
OF: 1

SEE PART NUMBER CHART		REF: DTF13-4P, DTF13-4P-G003		
PART NUMBER		DESCRIPTION		
QUANTITY	MATERIALS LIST			ITEM
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 3) Note reference =		SIGNATURES		DATE
		DRAWN: BROOKING		12/JUL/19
		CHECKED: ORONLI		12/JUL/19
		APPROVAL: TOMMY XIE		12/JUL/19
MATERIAL SPECIFICATIONS:		CUSTOMER:		
PROCESS SPECIFICATIONS:		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.		
NEXT ASSY:		SIZE: B C-		TYPE: AT
		DWG NO: ATF13-4P-BM1X		REVISION: A3
		SCALE: NONE		SHEET 1 OF 1

Amphenol

Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

**RIGHT ANGLE RECEPTACLE, AT 4 PIN,
SCREW BOSS, BOARDLOCK**

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