

RECOMMENDED PCB LAYOUT

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

NOTES: UNLESS OTHERWISE SPECIFIED

SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

- 2. MATERIAL:
HOUSING: THERMOPLASTIC; COLOR: SEE SHEET 2
CONTACT: COPPER ALLOY
PLATING: NICKEL UNDERPLATE
SEE CHART FOR OVERALL FINISH
- 3. MODIFICATIONS: RIGHT ANGLE PCB MOUNT, SNAP FIT
- 4. SPECIFICATIONS:
4.1 CURRENT RATING: 13 AMPS
4.2 OPERATING TEMPERATURE: -55°C TO +125°C
4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
4.5 MOISTURE RESISTANCE: IP67 (MATED CONDITION)
4.6 MATING CYCLE DURABILITY: 100 CYCLES
4.7 RoHS COMPLIANT

5. MATING PART: AT06-12SX* PLUG
(X = A,B,C,D KEYS; * = MODIFICATIONS AND COLORS)

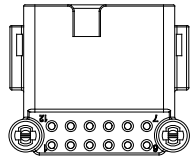
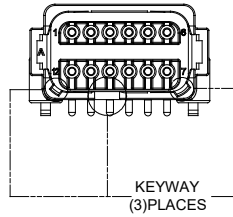
6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

SEE PART NUMBER CHART		REF: DTF13-12PA, DTF13-12PB, DTF13-12PC, DTF13-12PD, DTF13-12PA-G003	
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 3) Note reference =		SIGNATURES	DATE
DRAWN: BROOK.DING			12/JUL/19
CHECKED: ORION.LI			12/JUL/19
ENGINEER:			
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	TYPE
		B C-	
		DWG NO:	REVISION
		ATF13-12PX-BMOX	A3
		SCALE: NONE	SHEET 1 OF 1

TITLE: RIGHT ANGLE RECEPT, AT 12 PIN, SNAP FIT, BOARDLOCK
DWG NO: ATF13-12PX-BMOX
REV: A3
SH: 1
OF: 2

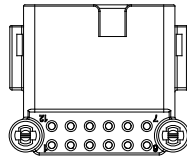
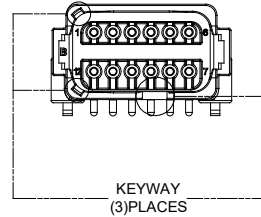
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REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	02JUL2018	JAH	
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A3	-	MODIFIED DESCRIPTION	12JUL19	BROOK	TOMMY

P/N ATF13-12PA-BM0X
KEY-A CONFIGURATION
STANDARD COLOR: GREY



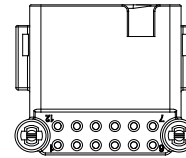
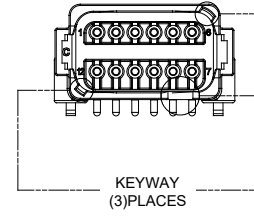
ATF13-12PA-BM0X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PA-BM01
TIN	ATF13-12PA-BM03

P/N ATF13-12PB-BM0X
KEY-B CONFIGURATION
STANDARD COLOR: BLACK



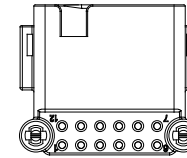
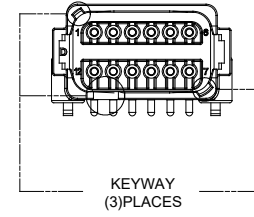
ATF13-12PB-BM0X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PB-BM01
TIN	ATF13-12PB-BM03

P/N ATF13-12PC-BM0X
KEY-C CONFIGURATION
STANDARD COLOR: GREEN



ATF13-12PC-BM0X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PC-BM01
TIN	ATF13-12PC-BM03

P/N ATF13-12PD-BM0X
KEY-D CONFIGURATION
STANDARD COLOR: BROWN



ATF13-12PD-BM0X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PD-BM01
TIN	ATF13-12PD-BM03

TITLE: RIGHT ANGLE RECEPT, AT 12 PIN, SNAP FIT, BOARDLOCK
DWG NO: ATF13-12PX-BM0X
REV: A3
SH: 2
OF: 2

SEE PART NUMBER CHART		DESCRIPTION		ITEM	
PART NUMBER		DESCRIPTION		ITEM	
QUANTITY	MATERIALS LIST				
UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	<p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> <p>RIGHT ANGLE RECEPTACLE, AT 12 PIN, SNAP FIT, BOARDLOCK</p>		
1) All dimensions are in metric (mm).	DRAWN: BROOK.DING	12/JUL/19			
2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08	CHECKED: ORION.LI	12/JUL/19			
3) Note reference =	ENGINEER:				
MATERIAL SPECIFICATIONS:	APPROVAL: TOMMY.XIE	12/JUL/19	REVISION		
PROCESS SPECIFICATIONS:	CUSTOMER:		SIZE	TYPE	DWG NO:
NEXT ASSY:	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.		B	C-	ATF13-12PX-BM0X
	SCALE: NONE				A3
				SHEET 2	OF 2

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