

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.

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

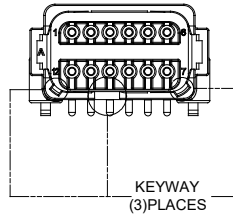
SEE PART NUMBER CHART		REF: DTF13-12PA, DTF13-12PB, DTF13-12PC, DTF13-12PD, DTF13-12PA-G003	
PART NUMBER		DESCRIPTION	
QUANTITY	MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric (mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference = △ X		SIGNATURES DRAWN: BROOK.DING CHECKED: ORION.LI ENGINEER: APPROVAL: TOMMY.XIE	DATE 12/JUL/19 12/JUL/19 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:	SCALE: NONE	SIZE: B C- TYPE: NONE	DWG NO: ATF13-12PX-BMOX REVISION: A3
SHEET 1 OF 1			

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

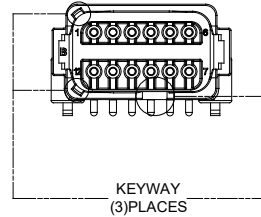
RIGHT ANGLE RECEPTACLE, AT 12 PIN,  
SNAP FIT, BOARDLOCK

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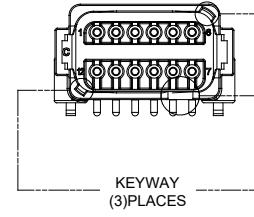
P/N ATF13-12PA-BM0X  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



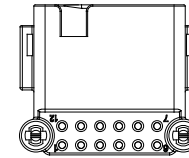
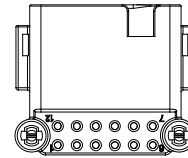
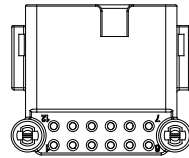
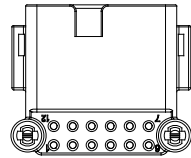
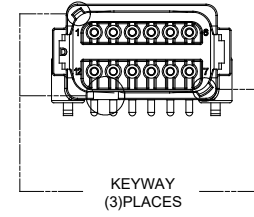
P/N ATF13-12PB-BM0X  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



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



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



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

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

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

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			
<small>UNLESS OTHERWISE SPECIFIED</small> 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 = $\Delta$		<small>SIGNATURES</small> DRAWN: BROOK.DING 12/JUL/19 CHECKED: ORION.LI 12/JUL/19 ENGINEER: APPROVAL: TOMMY.XIE 12/JUL/19 <small>CUSTOMER:</small>		 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 <b>RIGHT ANGLE RECEPTACLE, AT 12 PIN, SNAP FIT, BOARDLOCK</b>
<small>MATERIAL SPECIFICATIONS:</small>  <small>PROCESS SPECIFICATIONS:</small>  <small>NEXT ASSY:</small>		<small>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.</small>		
		<small>SIZE</small> <b>B C-</b> <small>TYPE</small> <small>SCALE</small> NONE	<small>DWG NO:</small> ATF13-12PX-BM0X <small>REVISION</small> <b>A3</b>	
		SHEET 2 OF 2		

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