

NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

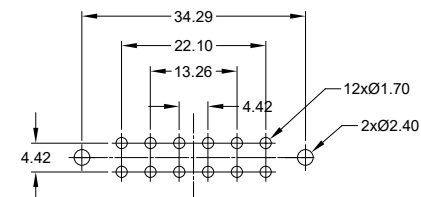
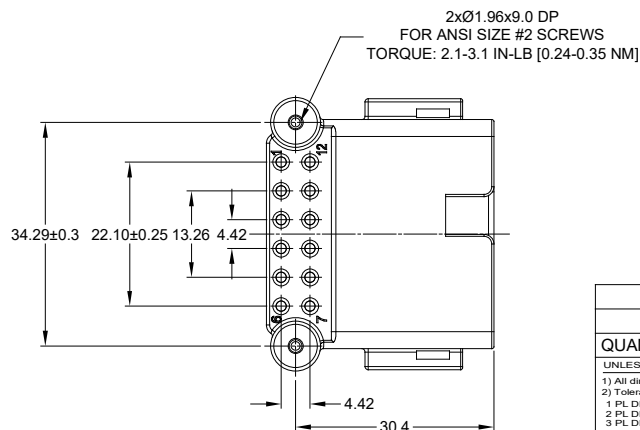
2. MATERIAL:
HOUSING: THERMOPLASTIC
CONTACT: COPPER ALLOY
PLATING: NICKEL UNDERPLATE
SEE CHART FOR OVERALL FINISH

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

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: AT06-12S* PLUG
(* = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

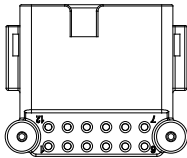
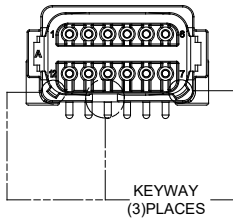


RECOMMENDED PCB LAYOUT

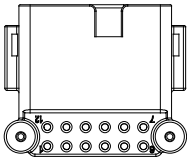
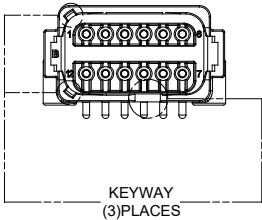
SEE PART NUMBER CHART		REF: DTF13-12PA, DTF13-12PB, DTF13-12PC, DTF13-12PD, DTF13-12PA-Q003	
PART NUMBER		DESCRIPTION	
QUANTITY		MATERIALS LIST	
UNLESS OTHERWISE SPECIFIED		SIGNATURES DATE	
1) All dimensions are in metric(mm).		DRAWN:	BROOK DING
2) Tolerances are as follows:		CHECKED:	ORION LI
1 PL DEC ±0.30 Fractions ±1/64		ENGINEER:	
3 PL DEC ±0.15 Angles ±1°		APPROVAL:	TOMMY XIE
3) Note reference =			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.
			ATF13-12PX-BM1X
		SCALE:	NONE
		SHEET	1 OF 1

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

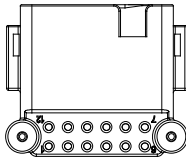
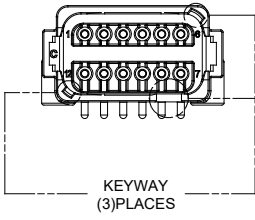
P/N ATF13-12PA-BM1X
KEY-A CONFIGURATION
STANDARD COLOR: GREY



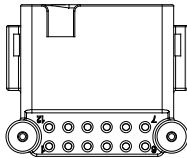
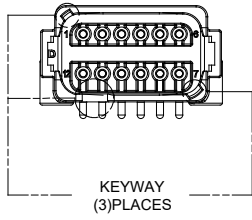
P/N ATF13-12PB-BM1X
KEY-B CONFIGURATION
STANDARD COLOR: BLACK



P/N ATF13-12PC-BM1X
KEY-C CONFIGURATION
STANDARD COLOR: GREEN



P/N ATF13-12PD-BM1X
KEY-D CONFIGURATION
STANDARD COLOR: BROWN



ATF13-12PA-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PA-BM11
TIN	ATF13-12PA-BM13

ATF13-12PB-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PB-BM11
TIN	ATF13-12PB-BM13

ATF13-12PC-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PC-BM11
TIN	ATF13-12PC-BM13

ATF13-12PD-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PD-BM11
TIN	ATF13-12PD-BM13

SEE PART NUMBER CHART					
PART NUMBER		DESCRIPTION		ITEM	
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	
		CUSTOMER:			
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PROCESS SPECIFICATIONS:					
NEXT ASSY:					
		SIZE TYPE		DWG NO.	
		B C-		ATF13-12PX-BM1X	
		SCALE: NONE		SHEET 2 OF 2	

TITLE: RIGHT ANGLE RECEPT, AT 12 PIN, SCREW BOSS, BOARD LOCK
DWG NO.: ATF13-12PX-BM1X
REV: A3
Sht: 2
Of: 2

Mouser Electronics

Authorized Distributor

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[ATF13-12PD-BM13](#)