

NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

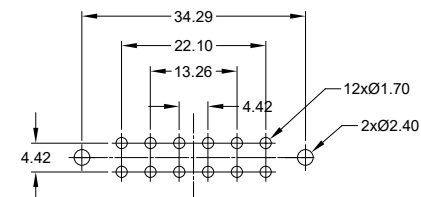
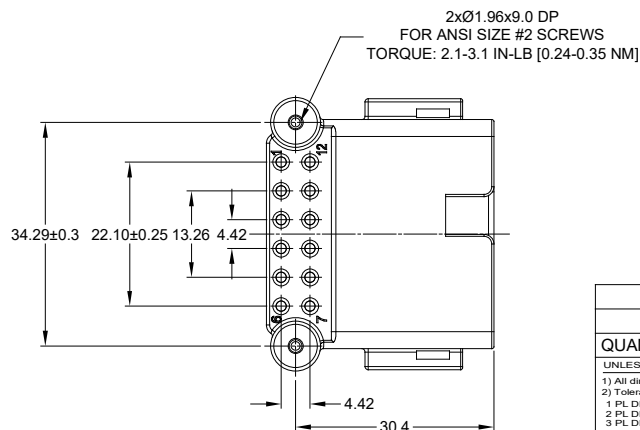
2. MATERIAL:
HOUSING: THERMOPLASTIC
CONTACT: COPPER ALLOY
PLATING: NICKEL UNDERPLATE
SEE CHART FOR OVERALL FINISH

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.

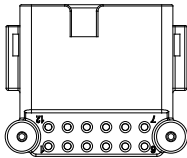
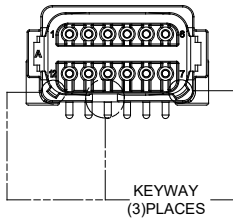


RECOMMENDED PCB LAYOUT

SEE PART NUMBER CHART		REF: DTF13-12PA, DTF13-12PB, DTF13-12PC, DTF13-12PD, DTF13-12PA-Q003		
PART NUMBER		DESCRIPTION		ITEM
QUANTITY		MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE
1) All dimensions are in metric(mm).		DRAWN: BROOK DING	12/JUL/19	
2) Tolerances are as follows:				
1 PL DEC ±0.30 Fractions ±1/64		CHECKED: ORION LI	12/JUL/19	
3 PL DEC ±0.08 Angles ±1°				
3) Note reference =		ENGINEER:		
		APPROVAL: TOMMY XIE	12/JUL/19	
MATERIAL SPECIFICATIONS:		CUSTOMER:		
		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.		
PROCESS SPECIFICATIONS:		SIZE: B C-	TYPE: NONE	DWG NO: ATF13-12PX-BM1X
NEXT ASSY:		SCALE: NONE		REVISION: A3
		SHEET 1		OF 1

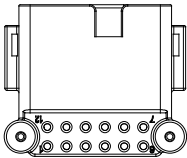
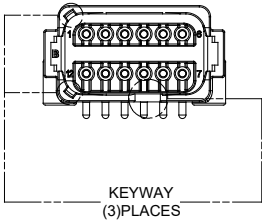
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	02JUL2018	JAH	
A2	-	UPDATE DRAWING	25/MAR/19	BROOK	TOMMY
A3	-	MODIFIED DESCRIPTION	12JUL19	BROOK	TOMMY

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



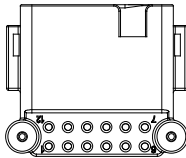
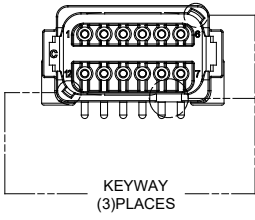
ATF13-12PA-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PA-BM11
TIN	ATF13-12PA-BM13

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



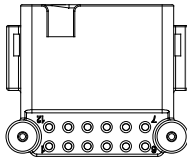
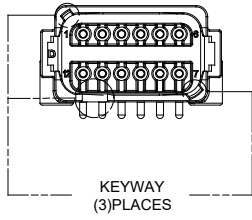
ATF13-12PB-BM1X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PB-BM11
TIN	ATF13-12PB-BM13

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



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

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



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

SEE PART NUMBER CHART			
PART NUMBER		DESCRIPTION	
QUANTITY		ITEM	
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: 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:		SIZE TYPE DWG NO. REVISION B C- ATF13-12PX-BM1X A3	
PROCESS SPECIFICATIONS:		SCALE: NONE SHEET 2 OF 2	
NEXT ASSY:			

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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[Amphenol:](#)

[ATF13-12PD-BM11](#)