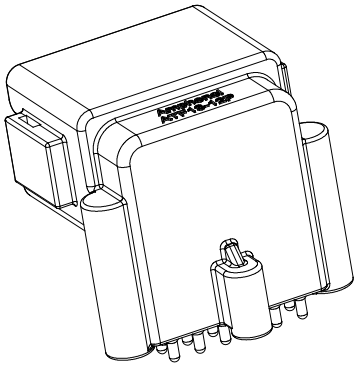
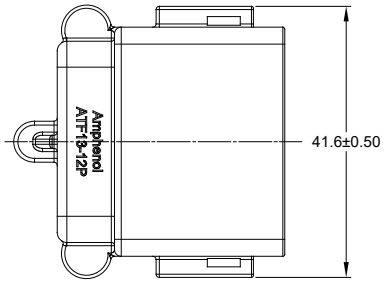
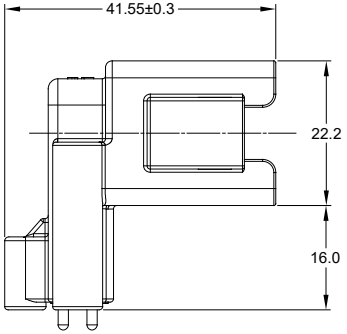
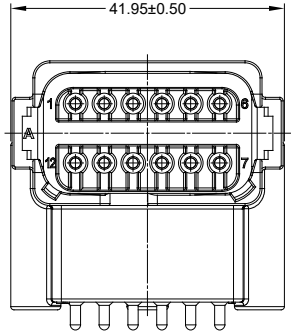
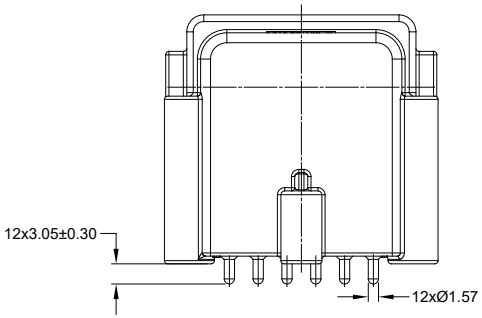
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	25/MAR/19	BROOK	TOMMY
A2	-	MODIFIED DESCRIPTION	12JUL19	BROOK	TOMMY











NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

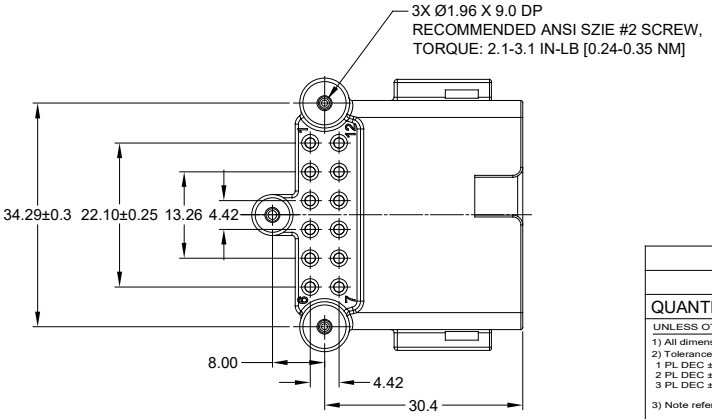
2. MATERIAL:
   HOUSING: THERMOPLASTIC; COLOR: SEE SHEET 2
   CONTACT: COPPER ALLOY
   PLATING: NICKEL UNDERPLATE
   SEE CHART FOR OVERALL FINISH

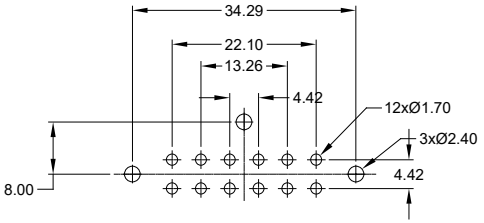
3. MODIFICATIONS: RIGHT ANGLE PCB MOUNT,
   EXTENDED SCREW BOSS

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.





RECOMMENDED PCB LAYOUT

	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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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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Amphenol

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

RIGHT ANGLE RECEPTACLE, AT 12 PIN, SCREW BOSS,BOARDLOCK, EXT. HGT

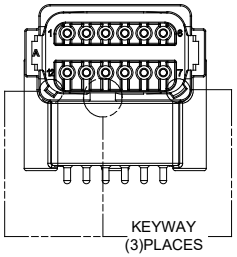
SIZE	TYPE	DWG NO:	REVISION
B	C-	ATF13-12PX-BM3X	A2

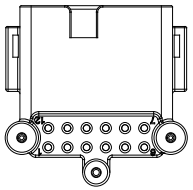
SCALE: NONE SHEET 1 OF 2

TITLE: RIGHT ANGLE RECEPT, AT 12 PIN, SCREW BOSS,BOARDLOCK,EXT.HGT
DWG NO: ATF13-12PX-BM3X
REV: A2
SH: 1
OF: 2

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE	25/MAR/19	BROOK	TOMMY
A2	-	MODIFIED DESCRIPTION	12JUL19	BROOK	TOMMY

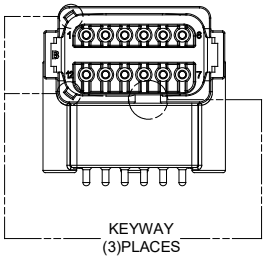
P/N ATF13-12PA-BM3X
KEY-A CONFIGURATION
STANDARD COLOR: GREY

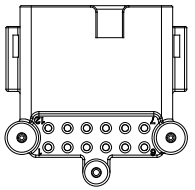




ATF13-12PA-BM3X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PA-BM31
TIN	ATF13-12PA-BM33

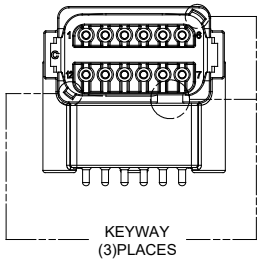
P/N ATF13-12PB-BM3X
KEY-B CONFIGURATION
STANDARD COLOR: BLACK

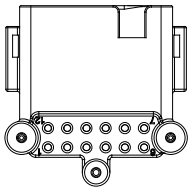




ATF13-12PB-BM3X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PB-BM31
TIN	ATF13-12PB-BM33

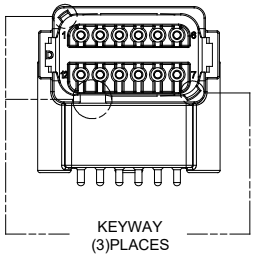
P/N ATF13-12PC-BM3X
KEY-C CONFIGURATION
STANDARD COLOR: GREEN

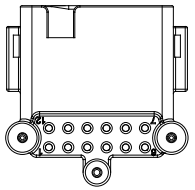




ATF13-12PC-BM3X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PC-BM31
TIN	ATF13-12PC-BM33

P/N ATF13-12PD-BM3X
KEY-D CONFIGURATION
STANDARD COLOR: BROWN





ATF13-12PD-BM3X VARIANTS	
CONTACT PLATING	PART NUMBER
GOLD	ATF13-12PD-BM31
TIN	ATF13-12PD-BM33

	SEE PART NUMBER CHART		
	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST		

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2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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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RIGHT ANGLE RECEPTACLE, AT 12 PIN,
SCREW BOSS,BOARDLOCK, EXT. HGT

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATF13-12PX-BM3X	A2

SCALE NONE SHEET 2 OF 2

TITLE: RIGHT ANGLE RECEPT, AT 12 PIN, SCREW BOSS,BOARDLOCK,EXT.HGT
DWG NO: ATF13-12PX-BM3X
REV: A2
SH: 2
OF: 2