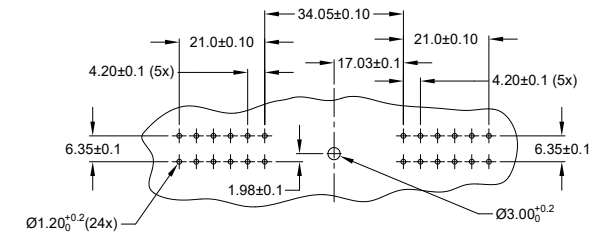
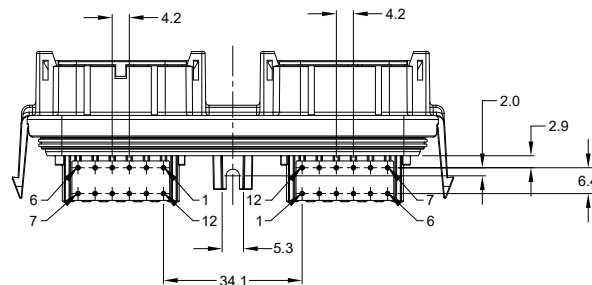
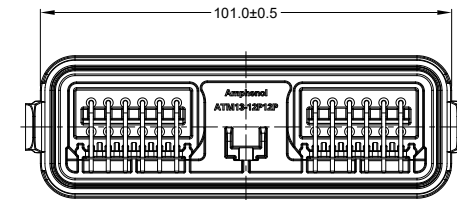
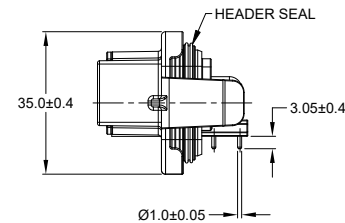
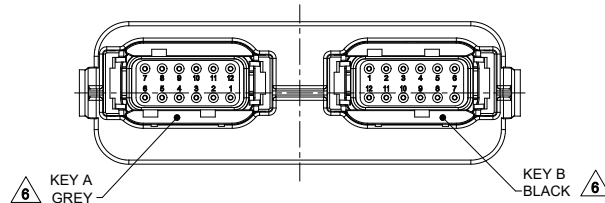
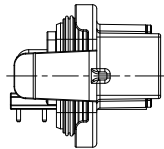
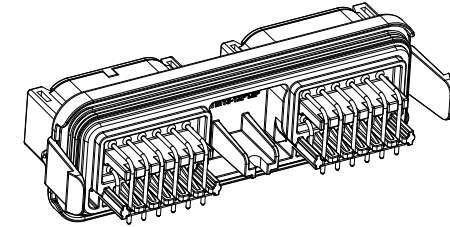
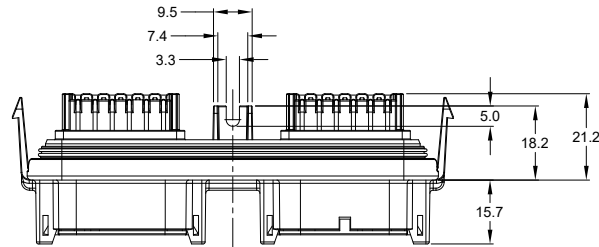


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	06NOV18	SULLEN	TOMMY
A2	-	UPDATED DRAWING	18FEB19	SULLEN	TOMMY
A3	-	ADD SPACE LIMIT DIMENSION	15JAN20	SULLEN	TOMMY



RECOMMENDED PCB LAYOUT  
VIEW FROM COMPONENTS  
SIDE OF PCB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC, BLACK  
SEAL: SILICONE RUBBER  
CONTACT: COPPER ALLOY
- MODIFICATIONS: RA PCB MOUNT
- SPECIFICATIONS:  
3.1 CURRENT RATING: 7.5 AMPS  
3.2 OPERATING TEMPERATURE: -55°C TO +125°C  
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC  
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C  
3.5 MOISTURE RESISTANCE: IP69K ( MATED CONDITION )  
3.6 MATING CYCLE DURABILITY: 100 CYCLES  
3.7 RoHS COMPLIANT
- MATING PART: ATM06-12SX-\*  
( X = A,B,C,D KEYS ; \* = ALL MODIFICATIONS)
- THIS RECEPTACLE IS USED WITH AIPXE-325X4A-XXXX AND AIPXE-325X4B-XXXX ENCLOSURE (XXXX= ALL MODIFICATIONS)

6. SEE SHEET 2 AND 3 FOR OTHER KEY ARRANGEMENTS AND COLORS

7. MAXIMUM COMPONENT HEIGHT DEPENDS ON LOCATION DUE TO PART DRAFT AND RIBS. (SEE SHEET 4)

8. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

SEE SHEET 2 & 3		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	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	<h1>Amphenol</h1> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p> <p><b>ARMOR IPX RECEPTACLE ATM HEADER, 2 x 12 POSITIONS, SIZE 20 CONTACT</b></p>
DRAWN: SULLEN,ZHANG		15JAN20		
CHECKED: ORION,LI		16JAN20		
ENGINEER:				
APPROVAL: TOMMY,XIE		17JAN20		
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	DWG NO.
		B	C-	ATM13-12PX-12PX-BMXX
		SCALE:	NONE	REVISION
				A3
			SHEET	1 OF 4

TITLE: ARMOR IPX RECEPTACLE ATM HDR, 2x12 POSITIONS, SIZE 20 CONTACT

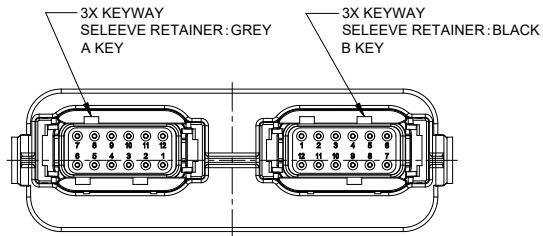
DWG NO: ATM13-12PX-12PX-BMXX

REV: A3

SH: 1

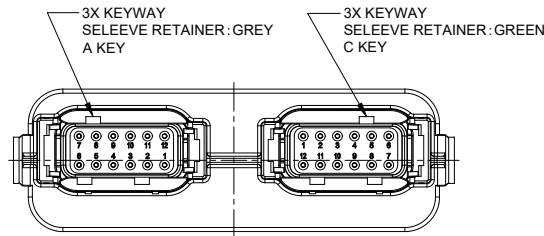
OF: 4

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	06NOV18	SULLEN	TOMMY
A2	-	UPDATED DRAWING	18FEB19	SULLEN	TOMMY
A3	-	ADD SPACE LIMIT DIMENSION	15JAN20	SULLEN	TOMMY



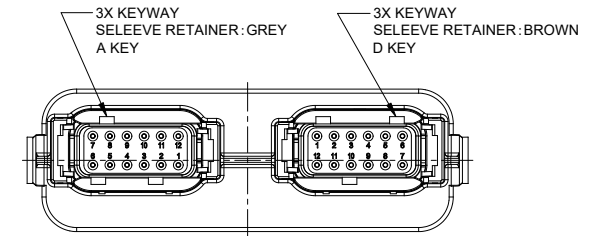
**KEY AB**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PA-12PB-BM01	DTM13-12PA-12PB-GR01
TIN	ATM13-12PA-12PB-BM03	DTM13-12PA-12PB-R008



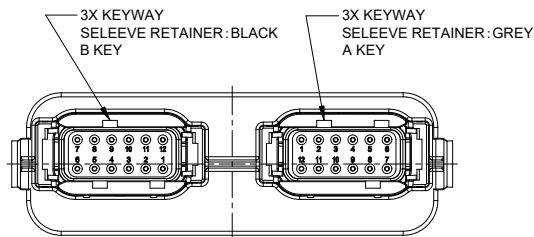
**KEY AC**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PA-12PC-BM01	DTM13-12PA-12PC-GR01
TIN	ATM13-12PA-12PC-BM03	DTM13-12PA-12PC-R008



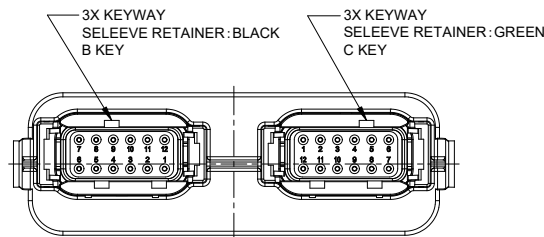
**KEY AD**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PA-12PD-BM01	DTM13-12PA-12PD-GR01
TIN	ATM13-12PA-12PD-BM03	DTM13-12PA-12PD-R008



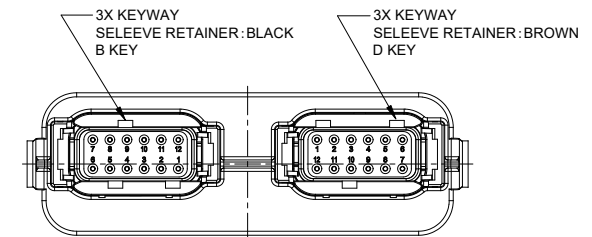
**KEY BA**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PB-12PA-BM01	DTM13-12PB-12PA-GR01
TIN	ATM13-12PB-12PA-BM03	DTM13-12PB-12PA-R008



**KEY BC**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PB-12PC-BM01	DTM13-12PB-12PC-GR01
TIN	ATM13-12PB-12PC-BM03	DTM13-12PB-12PC-R008



**KEY BD**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PB-12PD-BM01	DTM13-12PB-12PD-GR01
TIN	ATM13-12PB-12PD-BM03	DTM13-12PB-12PD-R008

ATM13-12PX-12PX-BMXX		DESCRIPTION		ITEM
PART NUMBER		DESCRIPTION		
QUANTITY	MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE
1) All dimensions are in metric(mm).		DRAWN: SULLENZHANG		15JAN20
2) Tolerances are as follows:		CHECKED: ORIONLI		16JAN20
1 PL DEC ±0.30		ENGINEER:		
2 PL DEC ±0.15		APPROVAL: TOMMYXIE		17JAN20
3 PL DEC ±0.08		CUSTOMER:		
3) Note reference =		MATERIAL SPECIFICATIONS:		
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		SHEET 2 OF 4	

**Amphenol**

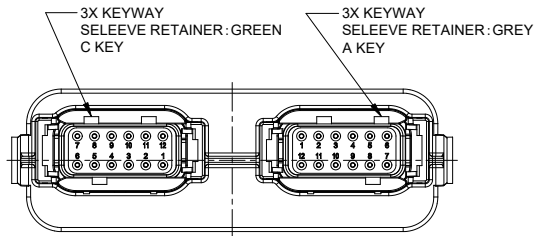
Sine Systems - www.amphenol-sine.com  
44724 Morley Drive  
Clinton Township, MI 48036

ARMOR IPX RECEPTACLE ATM HEADER,  
2 x 12 POSITIONS, SIZE 20 CONTACT

SIZE TYPE DWG NO. REVISION  
**B C-** ATM13-12PX-12PX-BMXX **A3**

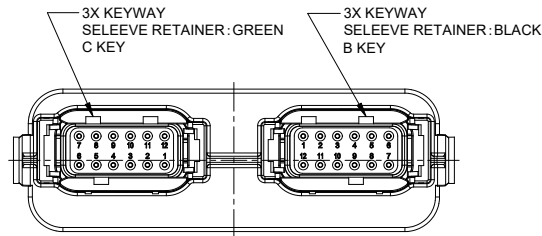
TITLE: ARMOR IPX RECEPTACLE ATM HDR, 2x 12 POSITIONS, SIZE 20 CONTACT  
DWG NO.: ATM13-12PX-12PX-BMXX  
REV: A3  
SH: 2  
OF: 4

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	06NOV18	SULLEN	TOMMY
A2	-	UPDATED DRAWING	18FEB19	SULLEN	TOMMY
A3	-	ADD SPACE LIMIT DIMENSION	15JAN20	SULLEN	TOMMY



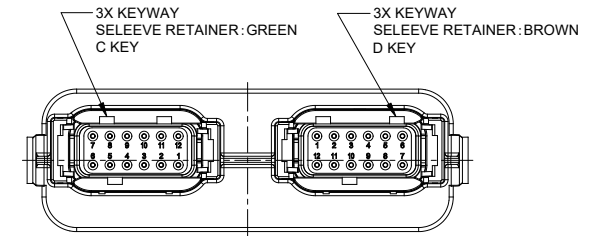
**KEY CA**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PC-12PA-BM01	DTM13-12PC-12PA-GR01
TIN	ATM13-12PC-12PA-BM03	DTM13-12PC-12PA-R008



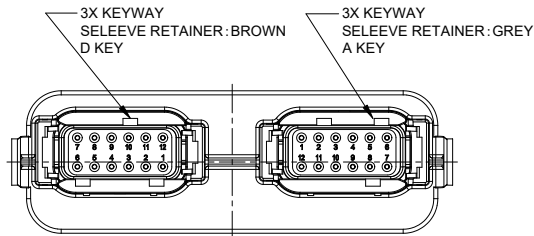
**KEY CB**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PC-12PB-BM01	DTM13-12PC-12PB-GR01
TIN	ATM13-12PC-12PB-BM03	DTM13-12PC-12PB-R008



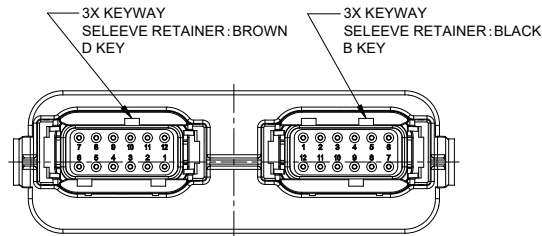
**KEY CD**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PC-12PD-BM01	DTM13-12PC-12PD-GR01
TIN	ATM13-12PC-12PD-BM03	DTM13-12PC-12PD-R008



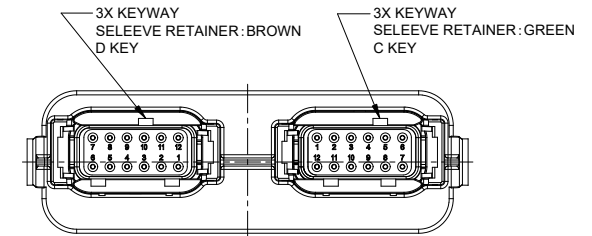
**KEY DA**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PD-12PA-BM01	DTM13-12PD-12PA-GR01
TIN	ATM13-12PD-12PA-BM03	DTM13-12PD-12PA-R008



**KEY DB**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PD-12PB-BM01	DTM13-12PD-12PB-GR01
TIN	ATM13-12PD-12PB-BM03	DTM13-12PD-12PB-R008



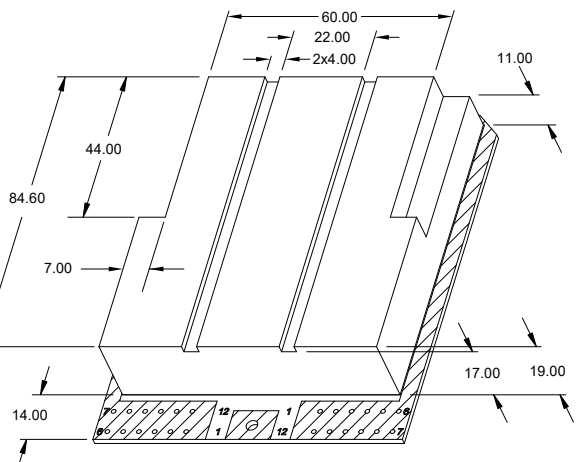
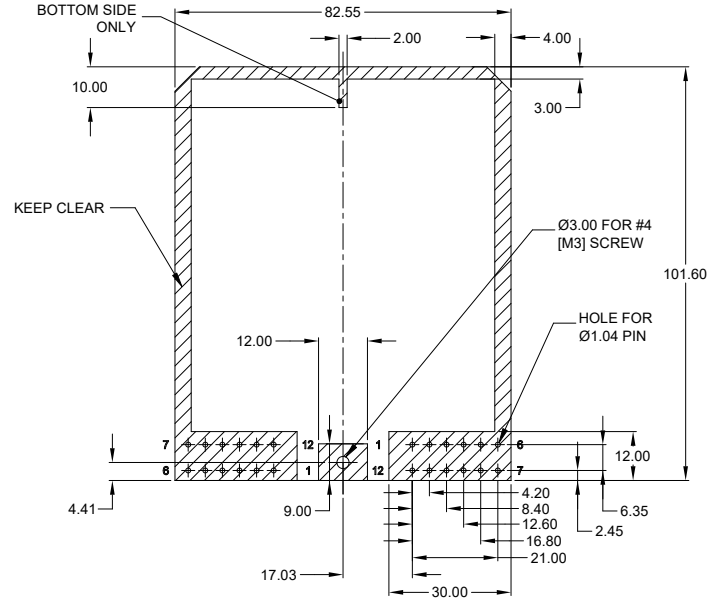
**KEY DC**

CONTACT PLATING	PART NUMBER	REFERENCE
GOLD	ATM13-12PD-12PC-BM01	DTM13-12PD-12PC-GR01
TIN	ATM13-12PD-12PC-BM03	DTM13-12PD-12PC-R008

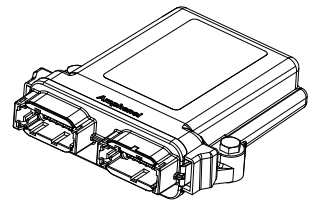
ATM13-12PX-12PX-BMXX		DESCRIPTION		ITEM
PART NUMBER				
QUANTITY		MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference =		SIGNATURES		DATE
DRAWN: SULLEN,ZHANG		15JAN20		
CHECKED: ORIONLI		16JAN20		
ENGINEER:				
APPROVAL: TOMMY,XIE		17JAN20		
CUSTOMER:				
MATERIAL 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.		
PROCESS SPECIFICATIONS:		SCALE: NONE		
NEXT ASSY:		SCALE: NONE		
		SINE SYSTEMS - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
		ARMOR IPX RECEPTACLE ATM HEADER, 2 x 12 POSITIONS, SIZE 20 CONTACT		
		SIZE TYPE DWG NO. REVISION B C- ATM13-12PX-12PX-BMXX A3		
		SHEET 3 OF 4		

TITLE: ARMOR IPX RECEPTACLE ATM HDR, 2x 12 POSITIONS, SIZE 20 CONTACT  
DWG NO.: ATM13-12PX-12PX-BMXX  
REV: A3  
SH: 3  
OF: 4

CIRCUIT BOARD HOLE LOCATIONS  
AND KEEP CLEAR AREAS FOR  
ATM13-12PX-12PX-BM01  
ATM13-12PX-12PX-BM03  
ALL DIMENSIONS REFERENCE  
TOP VIEW

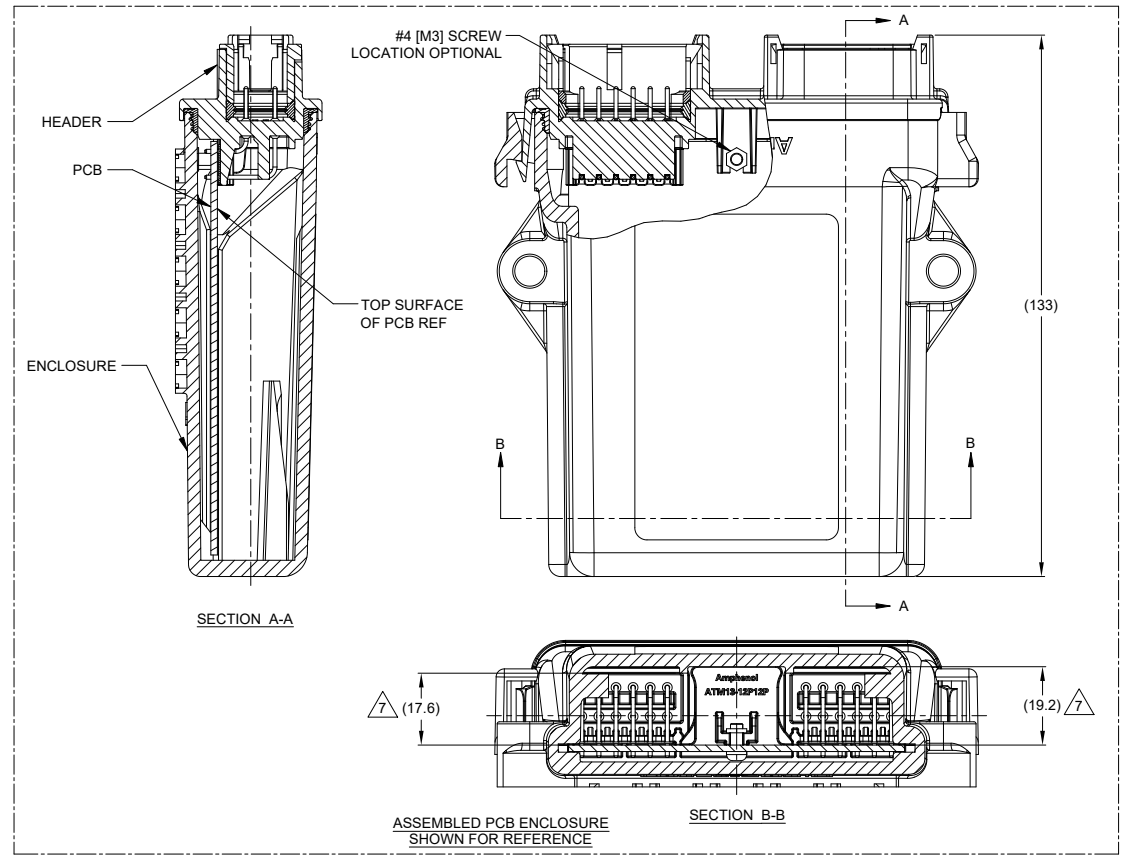


THREE DIMENSIONAL SPACE LIMIT  
APPROXIMATE INTERNAL SPACE  
FOR COMPONENT SPACE LAYOUT  
MAX. COMPONENT HEIGHT UNDER BOARD 2.00 mm.



3D VIEW  
AIPXE-325X4A-XXXX AND  
AIPXE-325X4B-XXXX ENCLOSURE AND  
MOUNTING HARDWARE SHOWN FOR REFERENCE

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	06NOV18	SULLEN	TOMMY
A2	-	UPDATE DRAWING	18FEB19	SULLEN	TOMMY
A3	-	ADD SPACE LIMIT DIMENSION	15JAN20	SULLEN	TOMMY



ASSEMBLED PCB ENCLOSURE  
SHOWN FOR REFERENCE

SEE SHEET 2 & 3		DESCRIPTION		ITEM
PART NUMBER		ATM13-12PX-12PX-BMXX		
QUANTITY	MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	<h1>Amphenol</h1> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>	
1) All dimensions are in metric (mm).	DRAWN: SULLENZHANG	15JAN20		
2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08	CHECKED: ORIONLI	16JAN20		
Fractions ±1/64 Angle ±1°	ENGINEER:			
3) Note reference = △	APPROVAL: TOMMY.XIE	17JAN20		
	CUSTOMER:			
MATERIAL 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.			
PROCESS SPECIFICATIONS:	SCALE: NONE	SIZE: B C-	DWG NO: ATM13-12PX-12PX-BMXX	REVISION: A3
NEXT ASSY:			SHEET 4 OF 4	

TITLE: ARMOR IPX RECEPTACLE ATM HDR, 2x 12 POSITIONS, SIZE 20 CONTACT  
DWG NO: ATM13-12PX-12PX-BMXX  
REV: A3  
SH: 4  
OF: 4

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