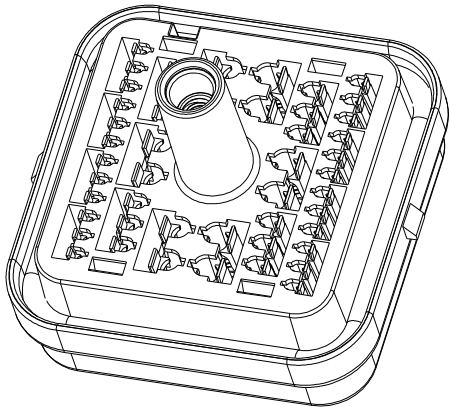
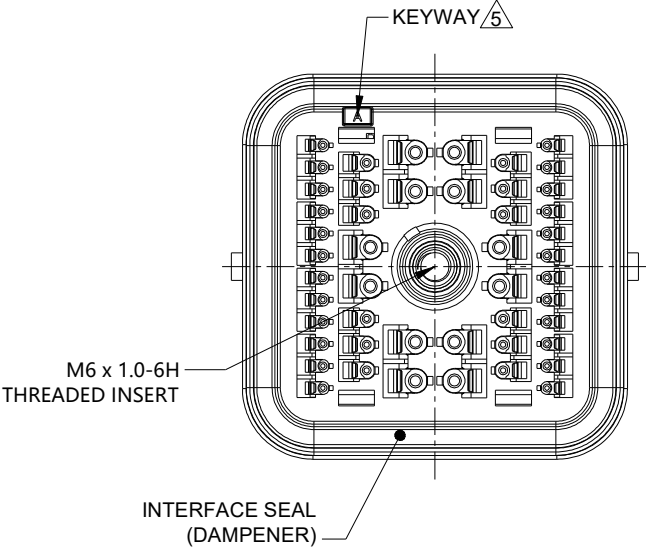
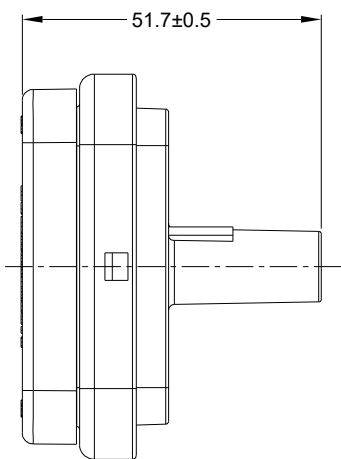
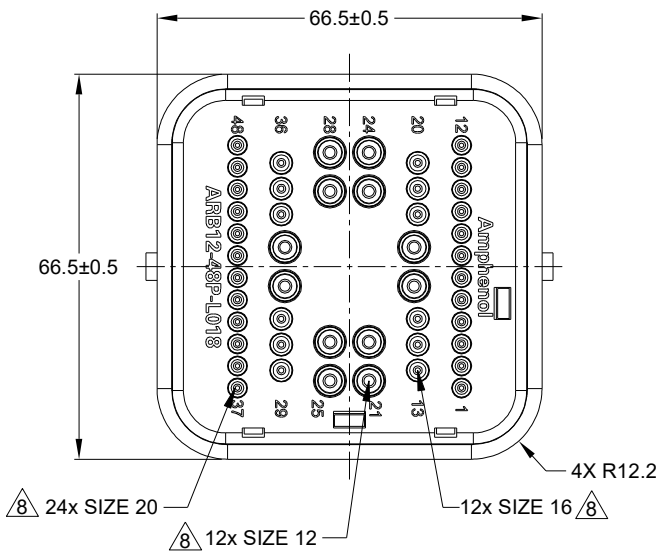


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	09/MAR/23	IAN	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING, END CAP: THERMOPLASTIC, BLACK
SEAL: SILICONE RUBBER
THREADED INSERT: STAINLESS STEEL
- MODIFICATIONS: REDUCED DIAMETER WIRE SEAL
- SPECIFICATIONS:
3.1 OPERATING TEMPERATURE: -55°C TO +125°C
3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC
3.3 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C
3.4 MOISTURE RESISTANCE:
IP68 (IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);
IP69K(MATED CONDITION)
3.5 MATING CYCLE DURABILITY: 100 CYCLES
3.6 RoHS COMPLIANT
- MATING PART: ARB16-48SxR-XXXX PLUG
(x = A,B,C,D KEYS ; XXXX = ALL MODIFICATIONS)

5. SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

- ITEMS SOLD SEPARATELY:
WEDGE: AWB-48Px (x = A,B,C,D KEYS)
INTERFACE FLANGE: ARBF-2x (x = A,B,C,D KEYS)

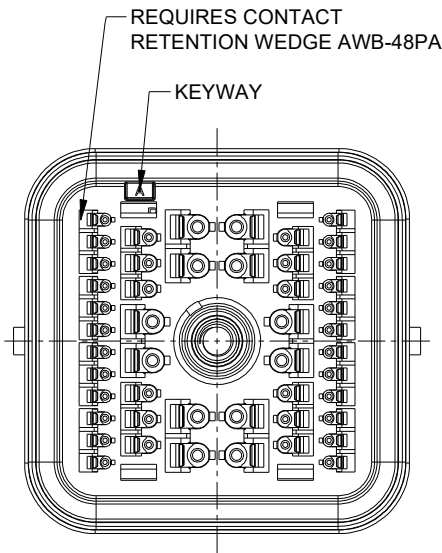
8. CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
12	2.46 mm (.097 in)	4.013 mm (.158 in)	10 - 14 AWG (6.0 - 2.0 mm ²)	25 AMPS
16	1.35 mm (.053 in)	3.048 mm (.120 in)	14 - 20 AWG (2.0 - 0.5 mm ²)	13 AMPS
20	1.02 mm (.040 in)	2.413 mm (.095 in)	16 - 22 AWG (1.5-0.35 mm ²)	7.5 AMPS

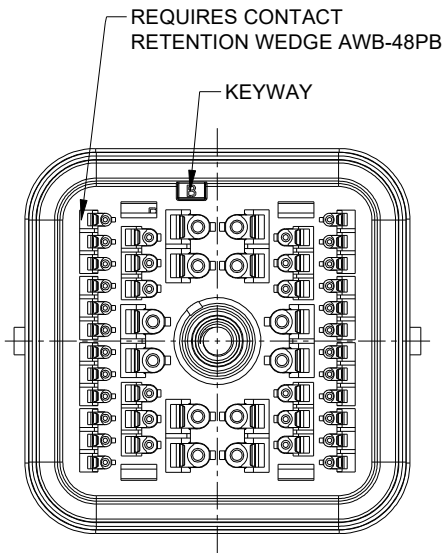
SEE SHEET 2					
QUANTITY	PART NUMBER	DESCRIPTION			ITEM
MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference = 		SIGNATURES DRAWN: IAN.XIAO CHECKED: SULLEN.ZHANG ENGINEER: APPROVAL: TOMMY.XIE 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.		DATE 09/MAR/23 09/MAR/23 11/MAR/23	
MATERIAL SPECIFICATIONS: WEIGHT:94.2g		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 48 POS,RECEPTACLE,PIN,ARB SERIES, REDUCED SEAL,BLACK			
PROCESS SPECIFICATIONS:		SIZE B		TYPE C-	DWG NO: ARB12-48PxR-L018
NEXT ASS'Y:		SCALE: NONE		REVISION A1	
		SHEET 1		OF 2	

TITLE: 48 POS,RECEPTACLE,PIN,ARB SERIES,REDUCED SEAL,BLACK
DWG NO: ARB12-48PxR-L018
REV: A1
SH: 1
OF: 2

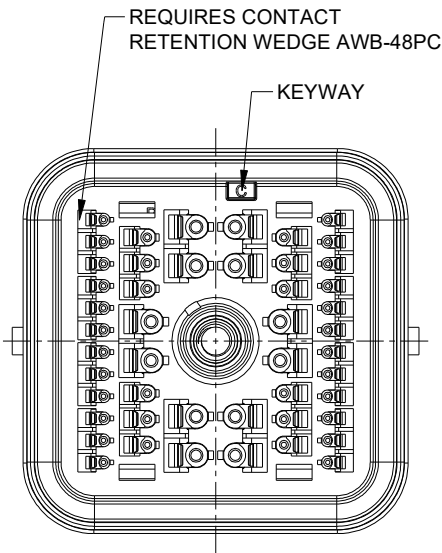
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	09/MAR/23	IAN	TOMMY



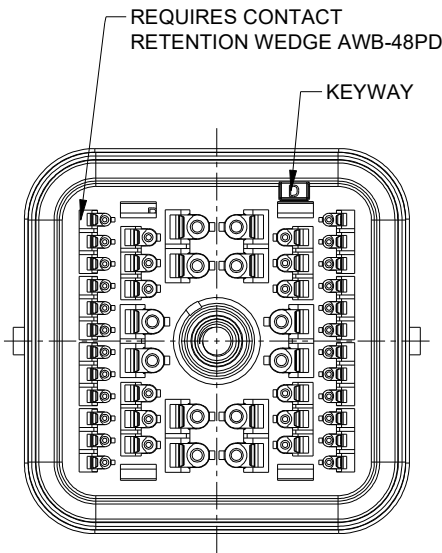
PART NUMBER	REF
ARB12-48PAR-L018	DRB12-48PAE-L018



PART NUMBER	REF
ARB12-48PBR-L018	DRB12-48PBE-L018



PART NUMBER	REF
ARB12-48PCR-L018	DRB12-48PCE-L018



PART NUMBER	REF
ARB12-48PDR-L018	DRB12-48PDE-L018

	ARB12-48PxR-L018														
QUANTITY	PART NUMBER	DESCRIPTION	ITEM												
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MATERIAL SPECIFICATIONS: WEIGHT:94.2g	<table><tr><td>SIZE</td><td>TYPE</td><td>DWG NO:</td><td>REVISION</td></tr><tr><td>B</td><td>C-</td><td>ARB12-48PxR-L018</td><td>A1</td></tr></table>			SIZE	TYPE	DWG NO:	REVISION	B	C-	ARB12-48PxR-L018	A1				
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B	C-	ARB12-48PxR-L018	A1												
PROCESS SPECIFICATIONS:															
NEXT ASSY:	SCALE: NONE		SHEET 2 OF 2												