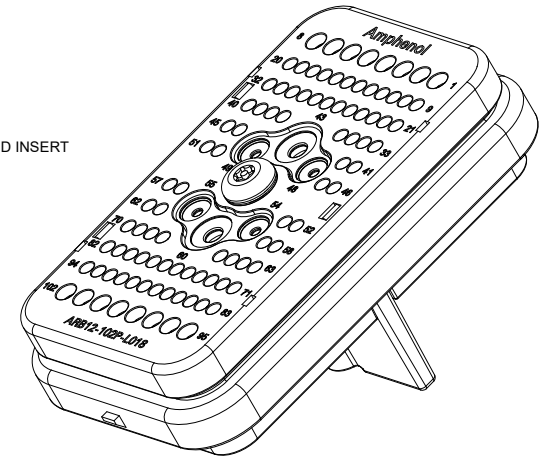
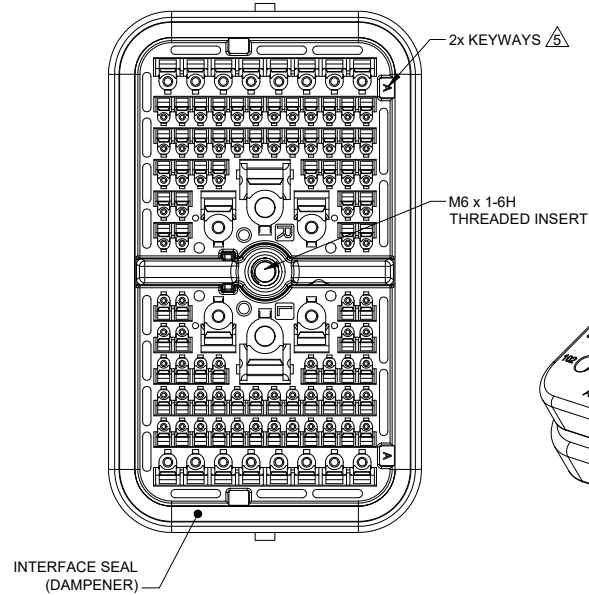
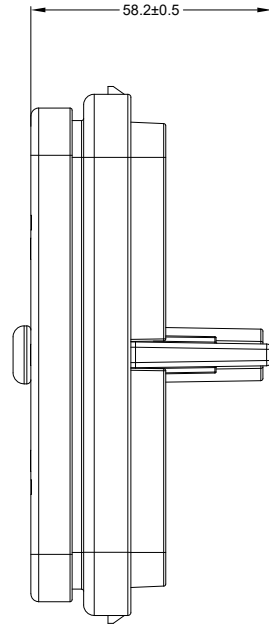
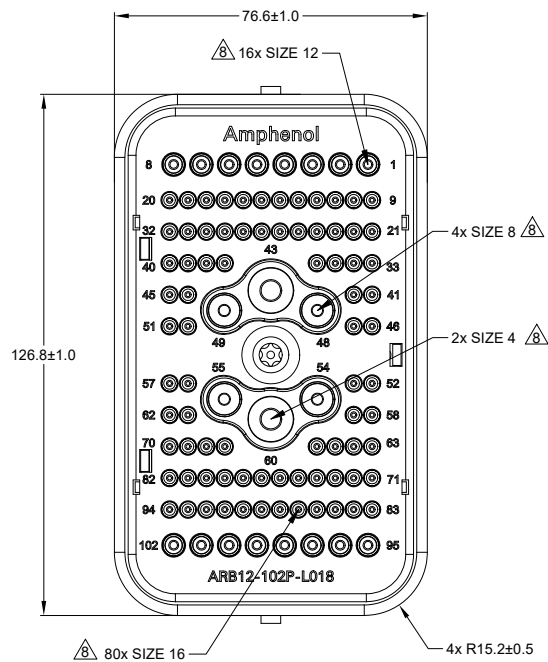


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	08/MAY/23	VITO	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING, END CAP, THREADED INSERT PLASTIC: THERMOPLASTIC, BLACK
SEAL : SILICONE RUBBER
THREADED INSERT, SCREW : 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 (1M 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: ARB16-102SxR-XXXX PLUG, ARBF-1x INTERFACE FLANGE, (x = A,B,C,D KEYS ; XXXX = ALL MODIFICATIONS)

SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

- ITEMS SOLD SEPARATELY:
WEDGE: AWB-51PxR AND AWB-51PxL (x = A,B,C,D KEYS)
INTERFACE FLANGE: ARBF-1x (x = A,B,C,D KEYS)

CONTACTS SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
4	6.63 mm (.261 in)	7.42 mm (.292 in)	6 AWG (16-13.0 mm ²)	100 AMPS
8	3.43 mm (.135 in)	5.59 mm (.220 in)	8 - 10 AWG (10.0 - 5.0 mm ²)	60 AMPS
12	2.46 mm (.097 in)	4.01 mm (.158 in)	10 - 14 AWG (6.0 - 2.0 mm ²)	25 AMPS
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG (2.0 - 0.5 mm ²)	13 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 Fractions ±1/64 2 PL DEC ±0.15 Angles ±1° 3 PL DEC ±0.08 3) Note reference = 		SIGNATURES		DATE		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 102 POS, RECEPTACLE, PIN, ARB SERIES,KEYED, REDUCED SEAL,BLACK SIZE B C- TYPE ARB12-102PxR-L018 REVISION A1 SCALE NONE SHEET 1 OF 2	
		DRAWN: VITOLJ		08MAY23			
		CHECKED: OtonLJ		09MAY23			
		ENGINEER:					
		APPROVAL: TOMMY XIE		10MAY23			
MATERIAL SPECIFICATIONS:		CUSTOMER:					
WEIGHT: 253.7g							
PROCESS SPECIFICATIONS:							
NEXT ASSY:							

TITLE: 102 POS, RECEPTACLE, PIN, ARB SERIES, KEYPED, REDUCED SEAL, BLACK

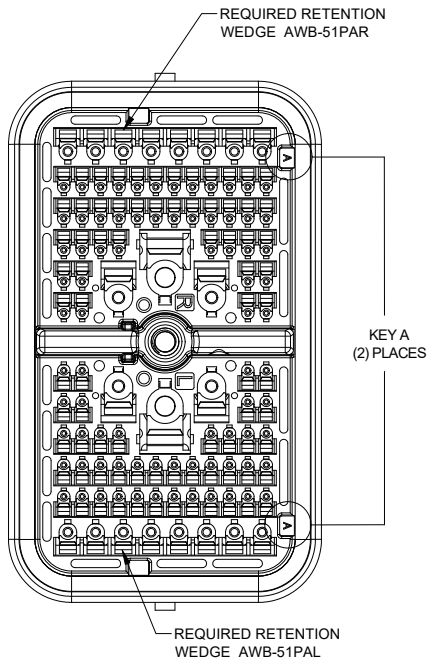
DWG NO: ARB12-102PxR-L018

REV: A1

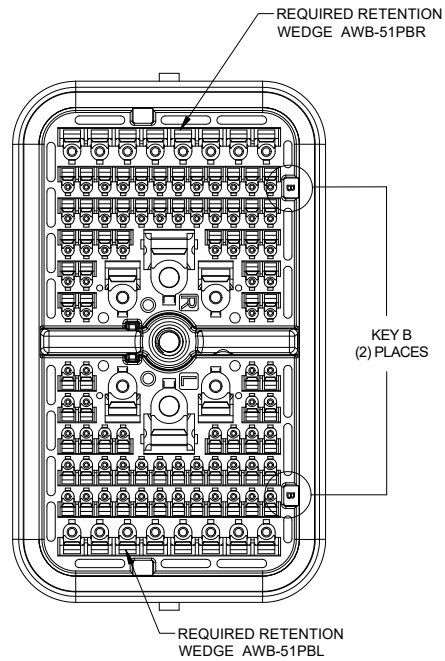
SH: 1

OF: 2

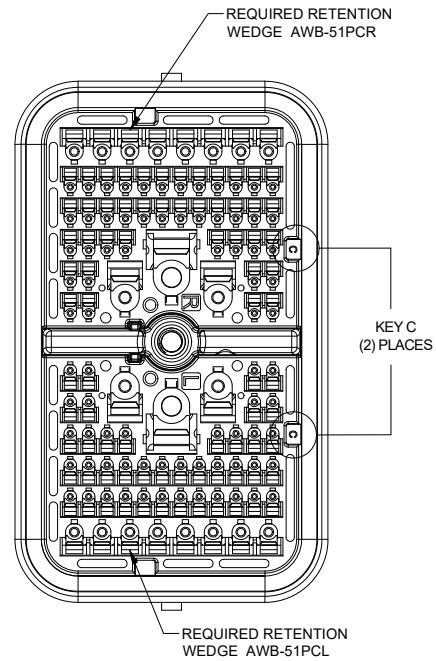
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	08/MAR/23	VITO	TOMMY



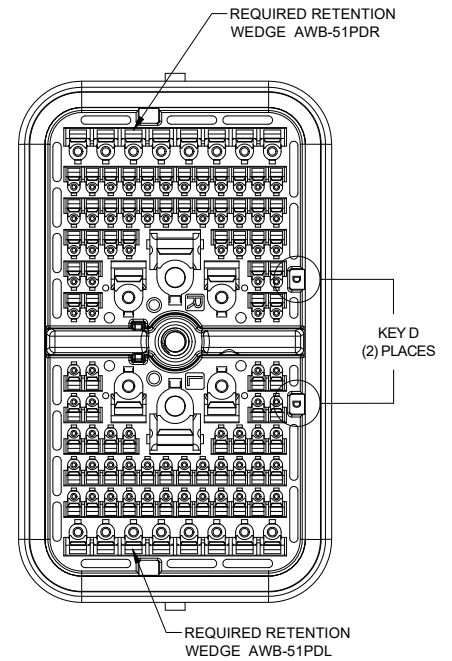
PART NUMBER	REF
ARB12-102PAR-L018	DRB12-102PAE-L018



PART NUMBER	REF
ARB12-102PBR-L018	DRB12-102PBE-L018



PART NUMBER	REF
ARB12-102PCR-L018	DRB12-102PCE-L018



PART NUMBER	REF
ARB12-102PDR-L018	DRB12-102PDE-L018

ARB12-102PXR-L018			
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 Fractions $\pm 1/64$ 2 PL DEC ± 0.15 Angles $\pm 1^\circ$ 3 PL DEC ± 0.08 3) Note reference =		SIGNATURES DATE DRAWN: VITOLJ 08MAY23 CHECKED: OtonLI 08MAY23 ENGINEER: APPROVAL: TOMMY XE 10MAY23 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: WEIGHT: 253.7 g		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 102 POS, RECEPTACLE, PIN, ARB SERIES, KEYPED, REDUCED SEAL, BLACK	
PROCESS SPECIFICATIONS:		SIZE B C- TYPE C- DWG NO. ARB12-102PxR-L018 REVISION A1	
NEXT ASSY:		SCALE: NONE SHEET 2 OF 2	

TITLE: 102 POS, RECEPTACLE, PIN, ARB SERIES, KEYPED, REDUCED SEAL, BLACK
DWG NO.: ARB12-102PxR-L018
REV: A1
SH: 2
OF: 2