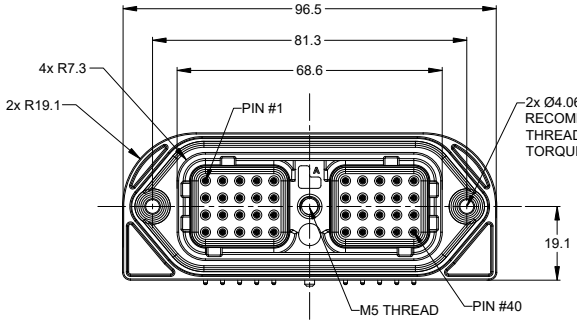
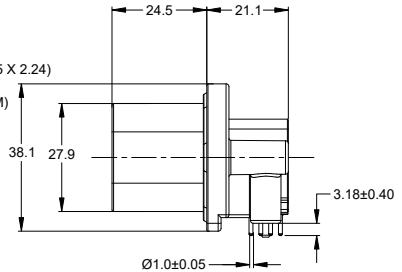
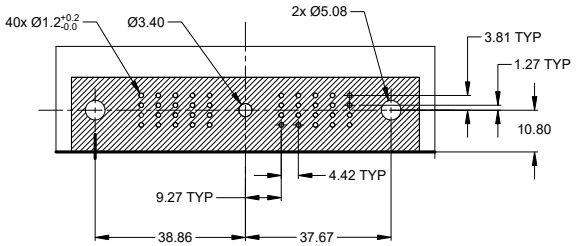
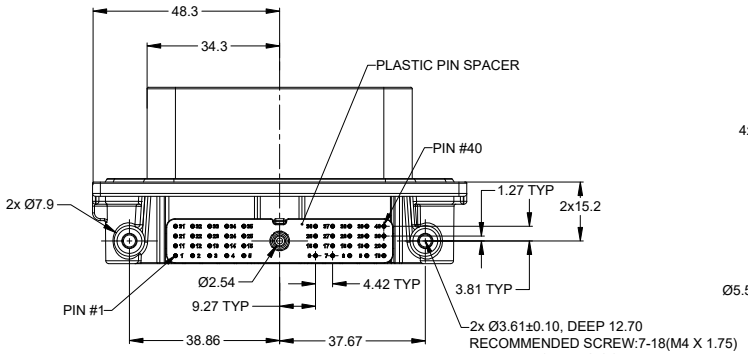
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	13/NOV/23	VITO	TOMMY
A2	-	ADDED "BOARDLOCK" TO TITLE	15JUL2024	JHEAD	BL

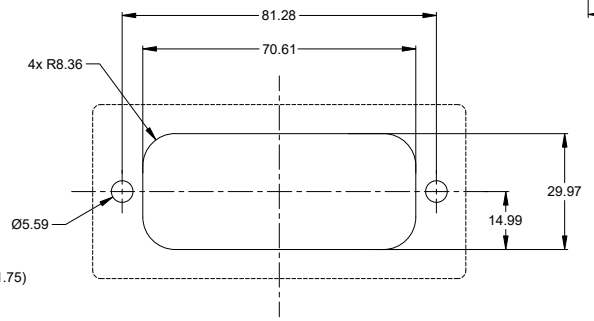






TOP VIEW OF PCB
ALL DIMENSIONS FOR REERENCE ONLY





RECOMMENDED PANEL CUTOUT

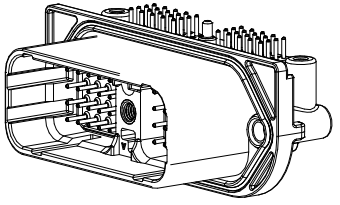
NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING,PLASTIC PIN SPACER: THERMOPLASTIC, BLACK
   SEAL: SILICONE RUBBER
   CONTACT: COPPER ALLOY ;
   PLATING: ENGAGEMENT END GOLDPLATE,PCB END TIN PLATE
   THREADED INSERT: STAINLESS STEEL

2. MODIFICATIONS: FLANGE MOUNT,PCB,RIGHT ANGLE;

3. 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:
   IP68 (IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);
   IP69K(MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

4. SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS



5. RECEPTACLE IS SHIPPED WITHOUT DUST CAP

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
	SEE SHEET 2		

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
Fractions ±1/64
Angles ±1°
3) Note reference = 4

MATERIAL SPECIFICATIONS:
WEIGHT: 77.4g

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	VITO.LI	13/NOV/23
CHECKED:	ORION.LI	14/NOV/23
ENGINEER:		
APPROVAL:	TOMMY.XIE	15/JUL/23
CUSTOMER:		

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Amphenol

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

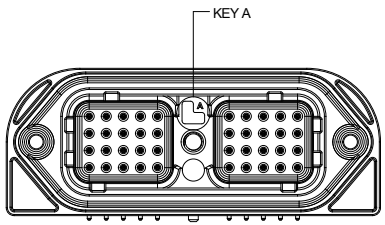
40 POS,RECEPTACLE,PIN,KEYED,ARC SERIES
W/ BOARDLOCK,BLACK,SELECTIVE PLATED

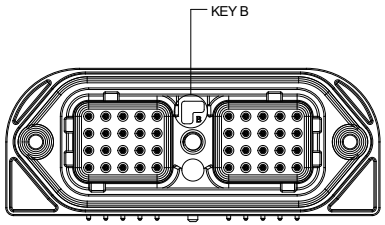
SIZE	TYPE	DWG NO:	REVISION
B	C-	ARC23-40Px-N012SP1	A2

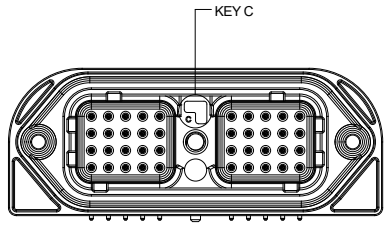
SCALE: NONE SHEET 1 OF 2

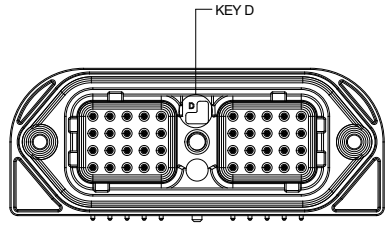
TITLE:40 POS.RECEPTACLE,PIN,KEYED,ARC BOARDLOCK,BLK,SELECTIVE PLATED | DWG NO: ARC23-40Px-N012SP1 | REV: A2 | SH: 1 | OF: 2

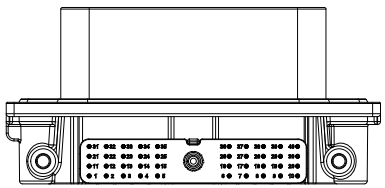
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	13/NOV/23	VITO	TOMMY
A2	-	ADDED "BOARDLOCK" TO TITLE	15JUL2024	JHEAD	BL

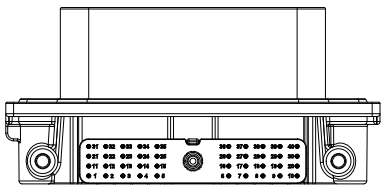


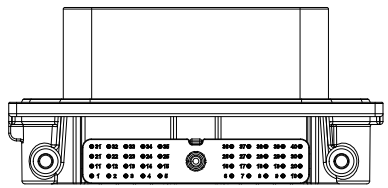


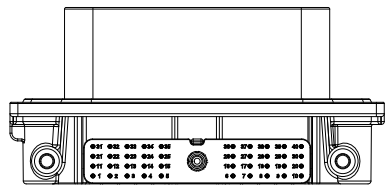












ARC23-40Px-N012SP1 VARIANTS	
PART NUMBER	REF
ARC23-40PA-N012SP1	DRC23-40PA-N012

ARC12-40Px -N012SP1 VARIANTS	
PART NUMBER	REF
ARC23-40PB-N012SP1	DRC23-40PB-N012

ARC12-40Px -N012 VARIANTS	
PART NUMBER	REF
ARC23-40PC-N012SP1	DRC23-40PC-N012

ARC12-40Px -N012 VARIANTS	
PART NUMBER	REF
ARC23-40PD-N012SP1	DRC23-40PD-N012

	ARC23-40Px-N012SP1		
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED
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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 = A

MATERIAL SPECIFICATIONS:
WEIGHT: 7 7.4 g

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	VITO.LI	13/NOV/23
CHECKED:	ORION.LI	14/NOV/23
ENGINEER:		
APPROVAL:	TOMMY.XIE	15/NOV/23
CUSTOMER:		

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40 POS,RECEPTACLE,PIN,KEYED,ARC SERIES W/ BOARDLOCK, BLACK, SELECTIVE PLATED

SIZE	TYPE	DWG NO:	REVISION
B	C-	ARC23-40Px-N012SP1	A2

SCALE: NONE SHEET 2 OF 2

TITLE: 40 POS, RECEPTACLE, PIN, KEYED, ARC BOARDLOCK, BLK, SELECTIVE PLATED
DWG NO: ARC23-40Px-N012SP1
REV: A2
SH: 2
OF: 2