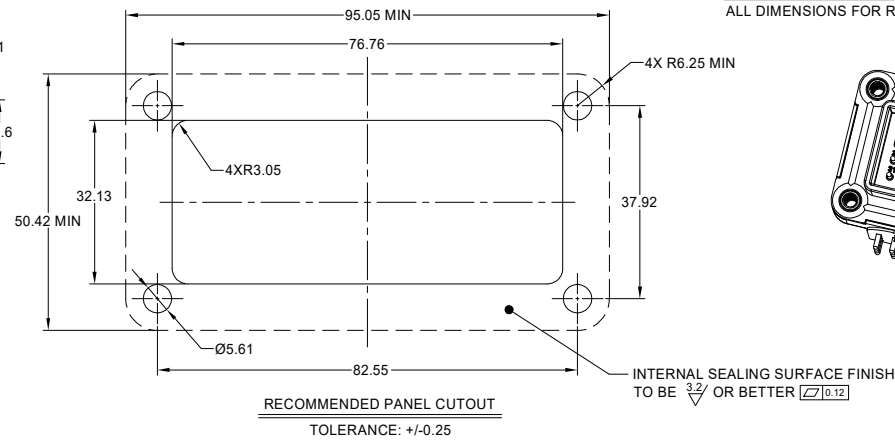
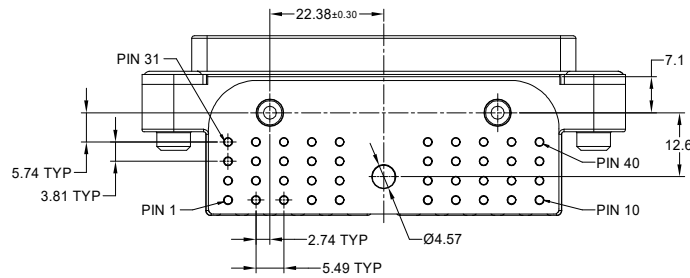
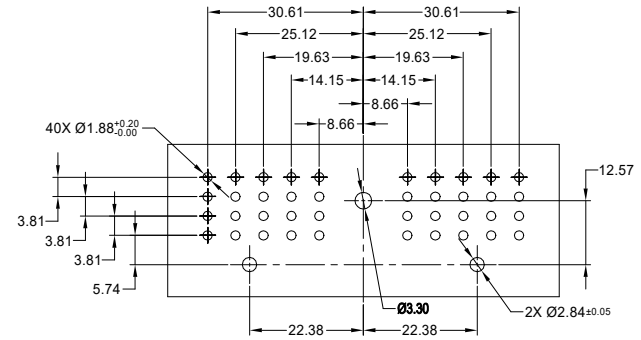
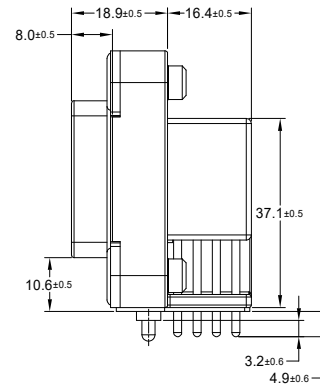
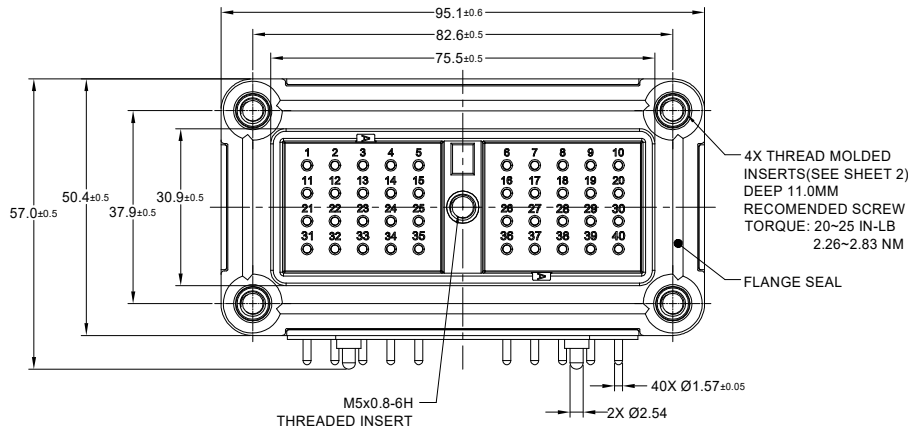


NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING: THERMOPLASTIC, BLACK
PIN SPACER: HIGH POLYMER, WHITE
FLANGE SEAL: SILICONE RUBBER, RED
CONTACT: COPPER ALLOY
THREADED INSERTS: STEEL/BRASS

- MODIFICATIONS: FLANGE MOUNT, PCB, RIGHT ANGLE;

- SPECIFICATIONS:
3.1 CURRENT RATING: 13 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 (1M OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION)
IP69K (MATED CONDITION)
3.6 MATING CYCLE DURABILITY: 100 CYCLES
3.7 ROHS COMPLIANT

- SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS
- THIS RECEPTACLE MATES WITH ARC18-40SX* PLUG
(X = A, B, C, D KEYS; * = ALL MODIFICATIONS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY
- RECEPTACLE IS SUPPLIED WITH DUST CAP (NOT SHOWN)

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	28/JUN/24	KELIN	TOMMY
A2	-	ADD NEW PART NUMBERS	05/DEC/24	KELIN	TOMMY

SEE SHEET 2					
QUANTITY	PART NUMBER	DESCRIPTION			ITEM
MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
1) All dimensions are in metric (mm).		DRAWN:		KELIN.ZHONG 04DEC24	
2) Tolerances are as follows:		CHECKED:		SULEN.ZHANG 05DEC24	
1 PL DEC ±0.30		ENGINEER:			
2 PL DEC ±0.15		APPROVAL:		TOMMY.XIE 05DEC24	
3 PL DEC ±0.08		CUSTOMER:			
3) Note reference =		THIS DRAWING IS SUPPLIED FOR			
MATERIAL SPECIFICATIONS:		INFORMATION ONLY. DESIGN FEATURES,			
WEIGHT: 150.1g		SPECIFICATIONS AND PERFORMANCE DATA			
PROCESS SPECIFICATIONS:		SHOWN HEREON ARE THE PROPERTY OF			
NEXT ASSY:		THE AMPHENOL CORPORATION. NO RIGHTS			
		OF REPRODUCTION ARE IMPLIED. ALL			
		DIMENSIONS ARE SUBJECT TO NORMAL			
		MANUFACTURING VARIATIONS.			
		SCALE:			
		NONE			
				SHEET 1 OF 2	

Amphenol

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

40 POS, RECEPTACLE, PIN,RIGHT ANGLE
ARC SERIES W/ BOARDLOCK,PCB CONN,BLK

SIZE

TYPE

DWG NO.

REVISION

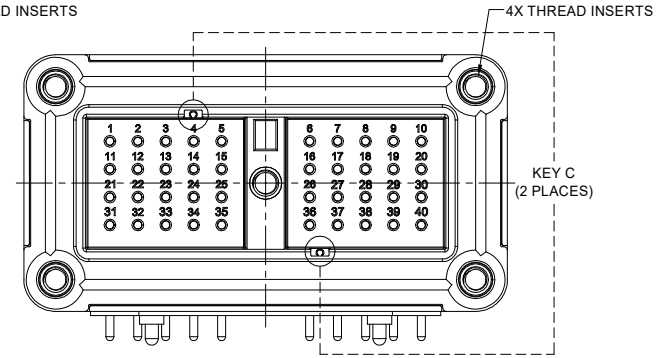
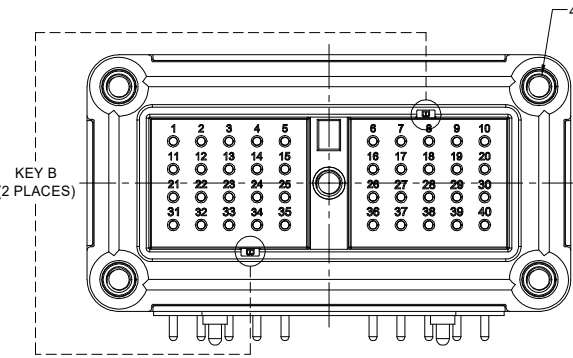
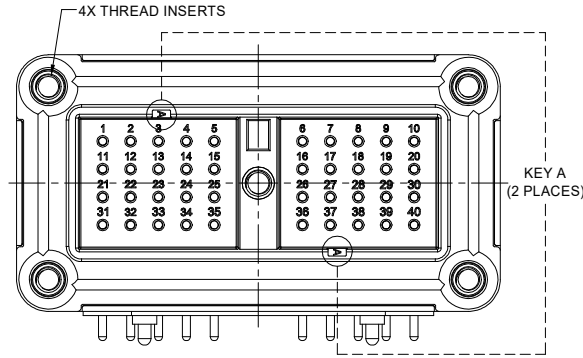
B

C-

ARC13-40PX-XXXXSP1

A2

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	03/JUL/24	KELIN	TOMMY
A2	-	ADD NEW PART NUMBERS	05/DEC/24	KELIN	TOMMY

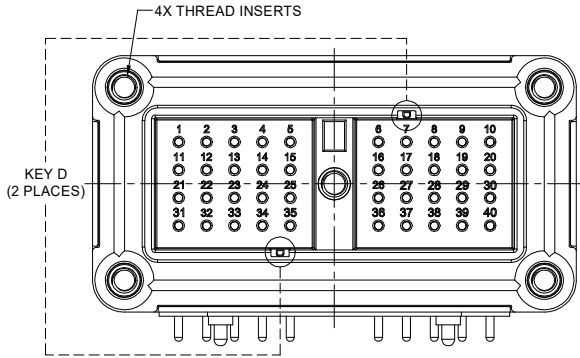


A2

ARC13-40PA-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE: NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-40PA-BM03SP1	DRC13-40PA
MATING SIDE: PIN1,10,11,20,21,30, 31,40 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-40PA-CG01SP1	DRC13-40PA-CG01

ARC13-40PB-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE: NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-40PB-BM03SP1	DRC13-40PB
MATING SIDE: PIN1,10,11,20,21,30, 31,40 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-40PB-CG01SP1	DRC13-40PB-CG01

ARC13-40PC-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE: NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-40PC-BM03SP1	DRC13-40PC
MATING SIDE: PIN1,10,11,20,21,30, 31,40 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-40PC-CG01SP1	DRC13-40PC-CG01



ARC13-40PD-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE: NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-40PD-BM03SP1	DRC13-40PD
MATING SIDE: PIN1,10,11,20,21,30, 31,40 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-40PD-CG01SP1	DRC13-40PD-CG01

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: KELINZHANG CHECKED: SULENZHANG ENGINEER: APPROVAL: TOMMYXIE CUSTOMER: DATE 04DEC24 05DEC24 05DEC24	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:		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.	40 POS, RECEPTACLE, PIN,RIGHT ANGLE ARC SERIES W/ BOARDLOCK,PCB CONN,BLK
SIZE B C-		TYPE C-	DWG NO: ARC13-40PX-XXXXSP1
SCALE NONE		REVISION A2	SHEET 2 OF 2

TITLE: 40 POS, RECEPTACLE, PIN,RIGHT ANGLE,PCB CONN, BLK
DWG NO: ARC13-40PX-XXXXSP1
REV: A2
SH: 2
OF: 2