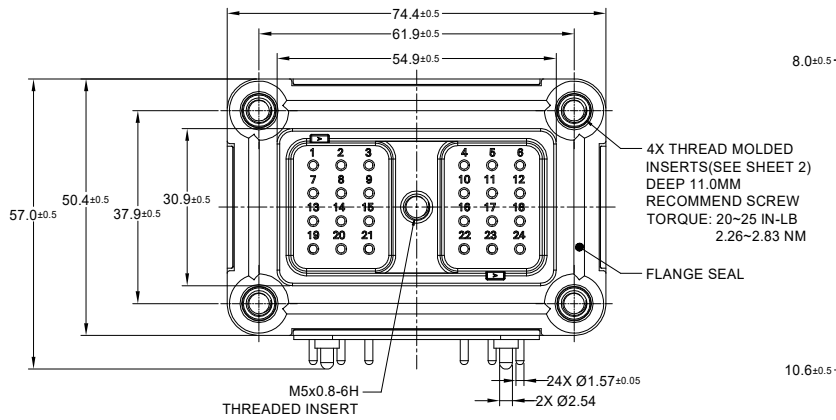
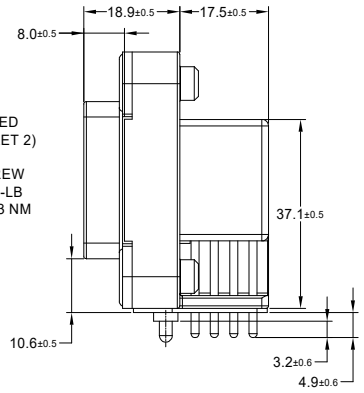
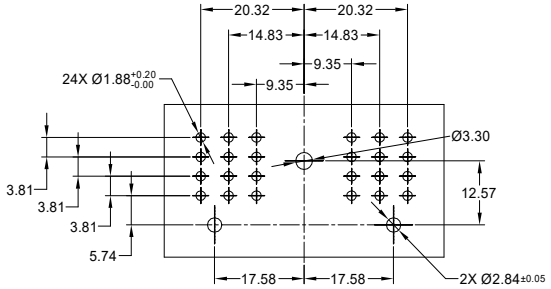
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	03/JUL/24	KELIN	TOMMY
A2	-	ADD NEW PART NUMBERS	05/DEC/24	KELIN	TOMMY

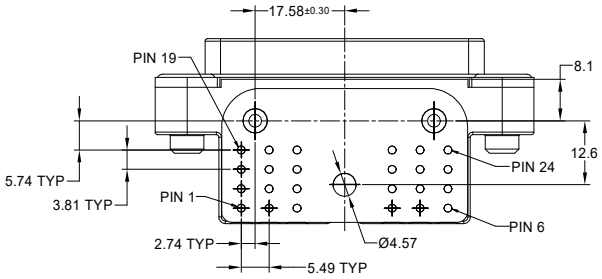


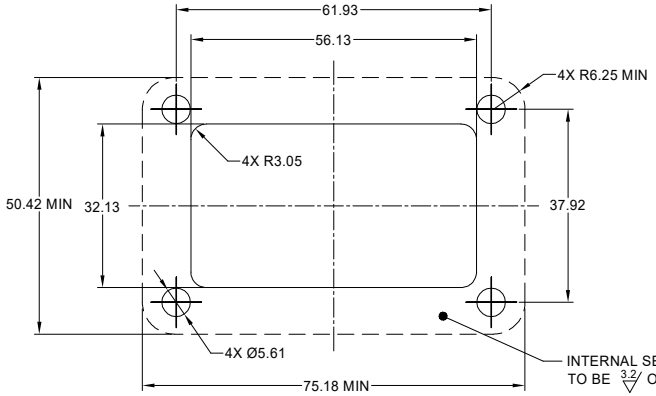




TOP VIEW OF PCB

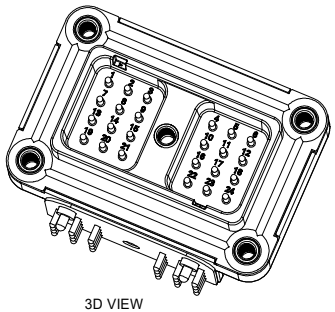
ALL DIMENSIONS FOR REERENCE ONLY(TOL:+/-0.05)





RECOMMENDED PANEL CUTOUT

TOLERANCE: +/-0.25



3D VIEW

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC, BLACK
   PIN SPACER: HIGH POLYMER,WHITE
   FLANGE SEAL: SILICONE RUBBER,RED
   (A2) CONTACT: COPPER ALLOY
   THREADED INSERTS: STEEL/BRASS

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

3. 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 (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. THIS RECEPTACLE MATES WITH ARC16-24SX* PLUG (X = A,B,C,D KEYS; * = ALL MODIFICATIONS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

7. RECEPTACLE IS SUPPLIED WITH DUST CAP(NOT SHOWN)

	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 = X

MATERIAL SPECIFICATIONS:
WEIGHT: 116.5g

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	KELIN.ZHONG	04/DEC/24
CHECKED:	SULLEN.ZHANG	05/DEC/24
ENGINEER:		
APPROVAL:	TOMMY.XIE	05/DEC/24
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.

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

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

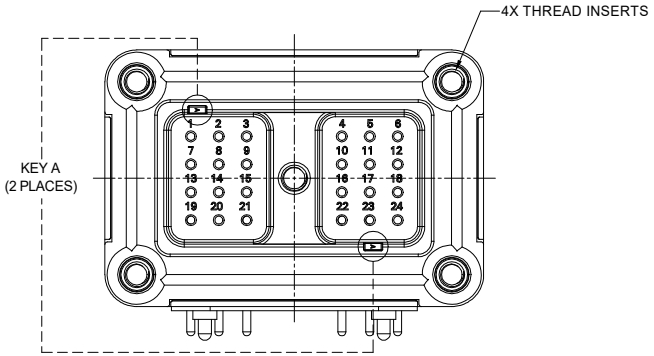
SIZE	TYPE	DWG NO:	REVISION
B	C-	ARC13-24PX-XXXXSP1	A2

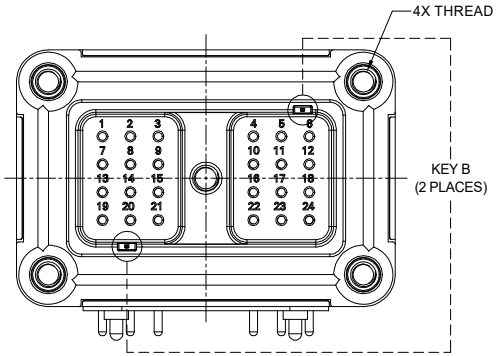
SCALE: NONE SHEET 1 OF 2

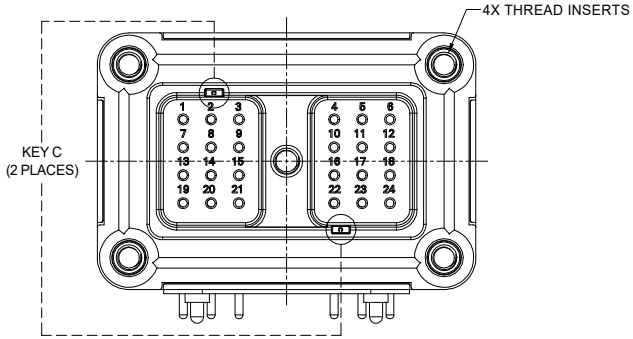
TITLE: 24 POS, RECEPTACLE, PIN,RA,ARC BOARDLOCK,PCB CONN, BLACK
DWG NO: ARC13-24PX-XXXXSP1
REV: A2
SH: 1
OF: 2

Downloaded from Arrow.com.

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





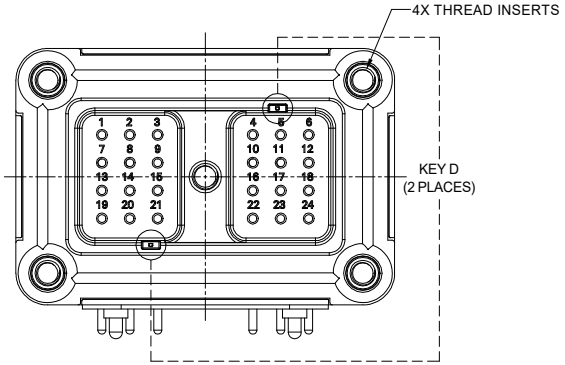


A2

ARC13-24PA-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE:NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-24PA-BM03SP1	DRC13-24PA
MATING SIDE:PIN1,6,7,12,13,18, 19,24 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-24PA-CG01SP1	DRC13-24PA-CG01

ARC13-24PB-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE:NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-24PB-BM03SP1	DRC13-24PB
MATING SIDE:PIN1,6,7,12,13,18, 19,24 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-24PB-CG01SP1	DRC13-24PB-CG01

ARC13-24PC-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE:NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-24PC-BM03SP1	DRC13-24PC
MATING SIDE:PIN1,6,7,12,13,18, 19,24 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-24PC-CG01SP1	DRC13-24PC-CG01



ARC13-24PD-XXXXSP1 VARIANTS			
CONTACT PLATING	4X THREAD INSERTS	PART NUMBER	REF
MATING SIDE:NICKEL. PCB SIDE: MATT TIN.	#10-32UNF-2B	ARC13-24PD-BM03SP1	DRC13-24PD
MATING SIDE:PIN1,6,7,12,13,18, 19,24 GOLD,THE REST NICKEL. PCB SIDE: MATT TIN.	M5x0.8-6H	ARC13-24PD-CG01SP1	DRC13-24PD-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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES		DATE
DRAWN:	KELIN.ZHONG	04/DEC/24
CHECKED:	SULLEN.ZHANG	05/DEC/24
ENGINEER:		
APPROVAL:	TOMMY.XIE	05/DEC/24
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.

Amphenol

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

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

SIZE	TYPE	DWG NO:	REVISION
B	C-	ARC13-24PX-XXXXSP1	A2

SCALE: NONE SHEET 2 OF 2

TITLE: 24 POS, RECEPTACLE, PIN,RA,ARC BOARDLOCK,PCB CONN, BLACK
DWG NO: ARC13-24PX-XXXXSP1
REV: A2
SH: 2
OF: 2

Downloaded from Arrow.com.