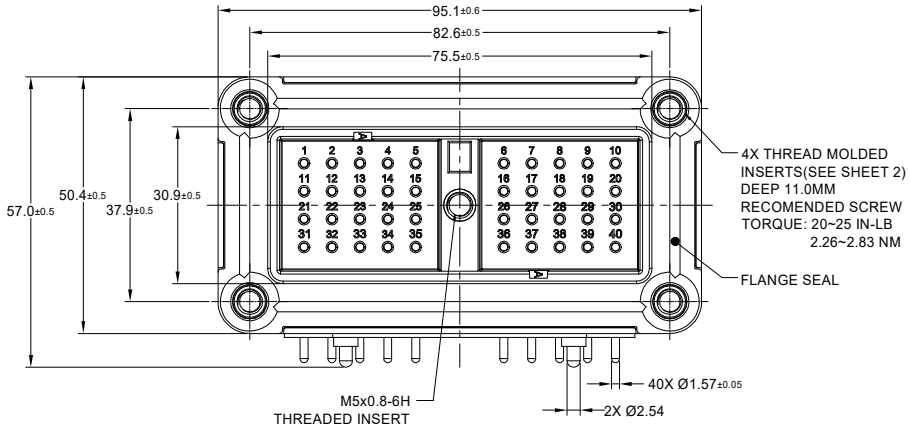
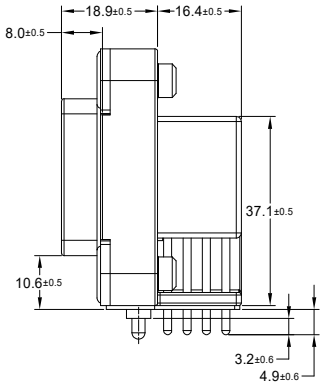
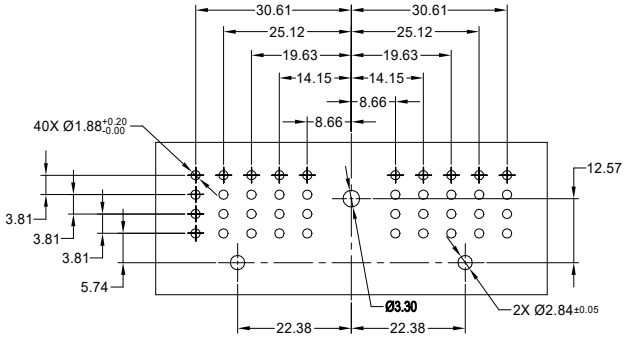
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | RELEASE DRAWING | 28/JUN/24 | KELIN | TOMMY |
| A2 | - | ADD NEW PART NUMBERS | 05/DEC/24 | KELIN | TOMMY |

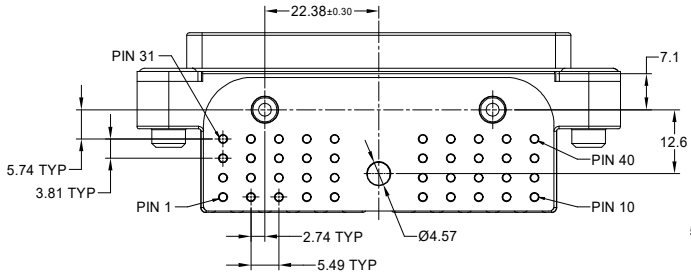


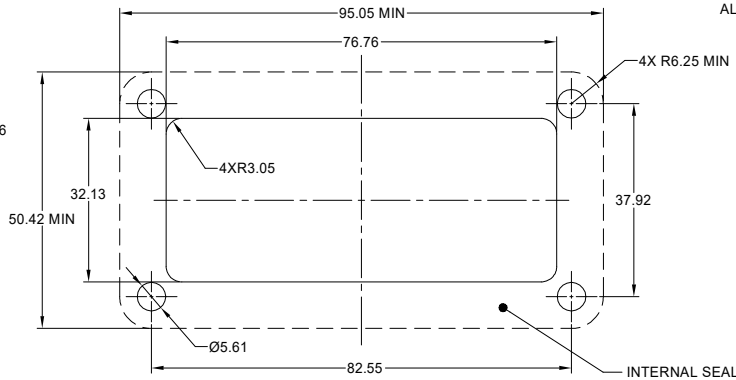




TOP VIEW OF PCB

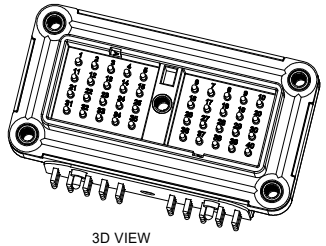
ALL DIMENSIONS FOR REERENCE ONLY(TOL:+/-0.05)




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 ARC18-40SX* 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: 150.1g

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: | | |

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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

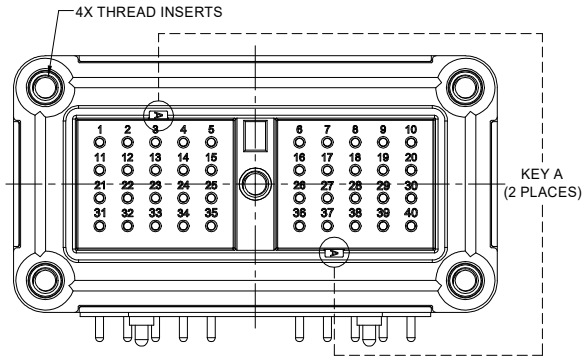
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|---|---|---|---|
| B | C- | ARC13-40PX-XXXXSP1 | A2 |

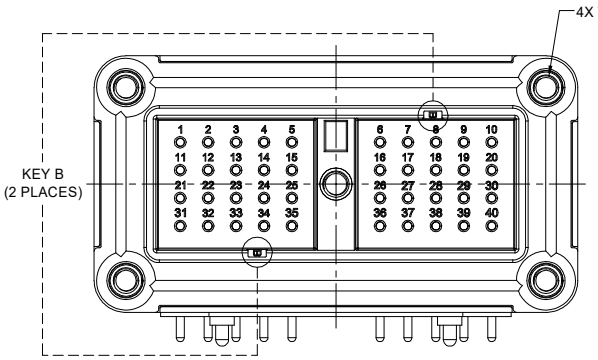
SCALE: NONE SHEET 1 OF 2

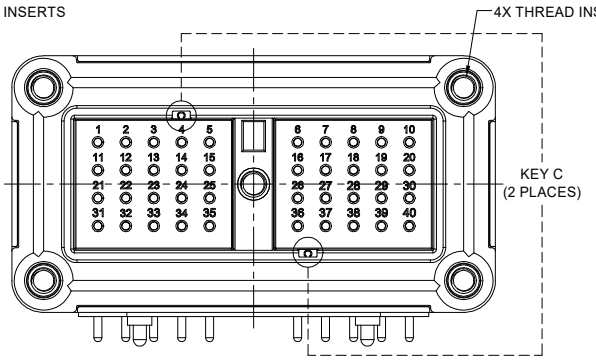
TITLE: 40 POS, RECEPTACLE, PIN,RA,ARC BOARDLOCK,PCB CONN, BLACK
DWG NO: ARC13-40PX-XXXXSP1
REV: A2
SH: 1
OF: 2

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| 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 |



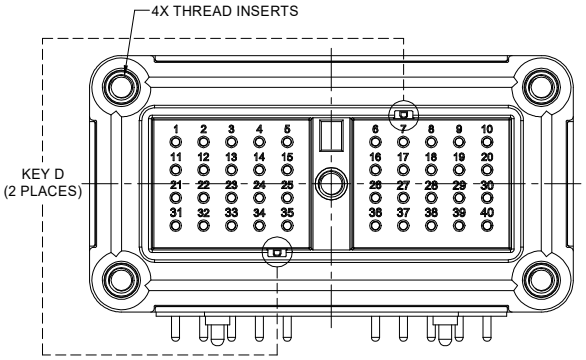




A2

| ARC13-40PA-XXXXSP1 VARIANTS | | | |
|---|---|---|---|
| CONTACT PLATING | 4X THREAD INSERTS | PART NUMBER | REF |
| MATING SIDE: NICKEL.<br>PCB SIDE: MATT TIN. | #10-32UNF-2B | ARC13-40PA-BM03SP1 | DRC13-40PA |
| MATING SIDE:PIN1,10,11,20,21,30,<br>31,40 GOLD,THE REST NICKEL.<br>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.<br>PCB SIDE: MATT TIN. | #10-32UNF-2B | ARC13-40PB-BM03SP1 | DRC13-40PB |
| MATING SIDE:PIN1,10,11,20,21,30,<br>31,40 GOLD,THE REST NICKEL.<br>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.<br>PCB SIDE: MATT TIN. | #10-32UNF-2B | ARC13-40PC-BM03SP1 | DRC13-40PC |
| MATING SIDE:PIN1,10,11,20,21,30,<br>31,40 GOLD,THE REST NICKEL.<br>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.<br>PCB SIDE: MATT TIN. | #10-32UNF-2B | ARC13-40PD-BM03SP1 | DRC13-40PD |
| MATING SIDE:PIN1,10,11,20,21,30,<br>31,40 GOLD,THE REST NICKEL.<br>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 | 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: | | |

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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 |

SCALE: NONE SHEET 2 OF 2

TITLE: 40 POS, RECEPTACLE, PIN,RA,ARC BOARDLOCK,PCB CONN, BLACK
DWG NO: ARC13-40PX-XXXXSP1
REV: A2
SH: 2
OF: 2

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