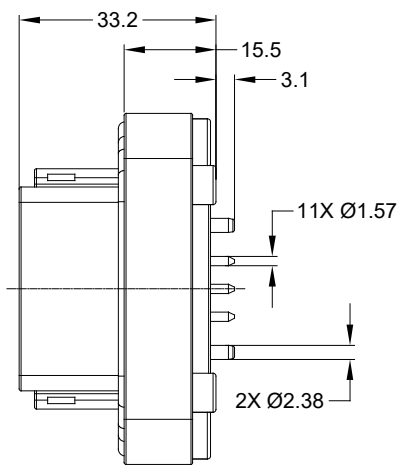
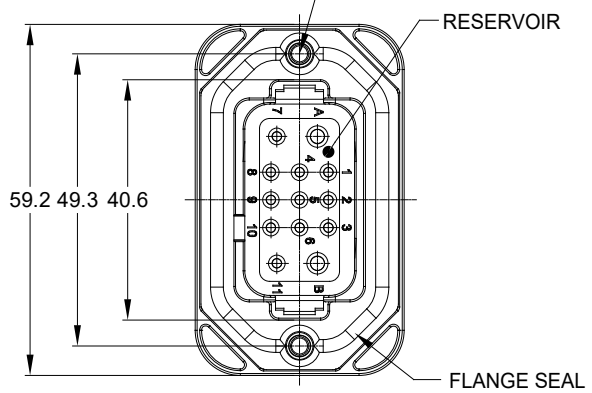
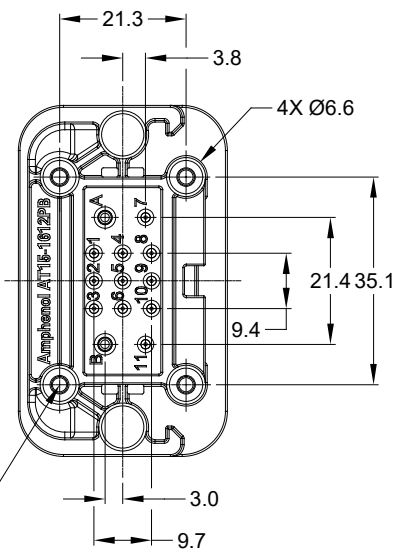


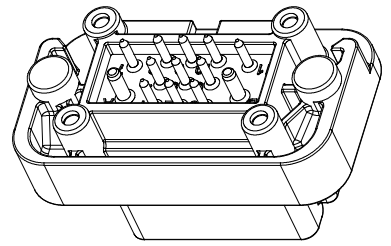
2X Ø3.10±0.1 2X11.18 DP  
RECOMMENDED SCREW: 6-19 [M3.63 X 1.34]  
THREAD-FORMING SCREW,  
TORQUE: 11-15 IN-LB [1.24-1.70 NM]



| REVISIONS |     |                     |         |        |       |
|-----------|-----|---------------------|---------|--------|-------|
| REV       | ECO | DESCRIPTION         | DATE    | BY     | APPR  |
| A1        | --  | RELEASE NEW PRODUCT | 03DEC19 | ROOKIE | TOMMY |

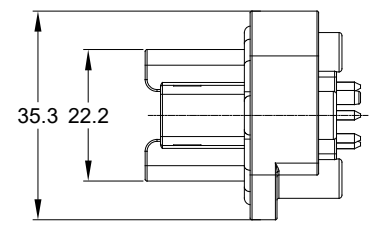


4X Ø2.79±0.12X8.0 DP  
RECOMMENDED SCREW: 4-20 [M3.12 X 1.27]  
THREAD-FORMING SCREW,  
TORQUE:6-10 IN-LB [0.68-1.13 NM]



NOTES: UNLESS OTHERWISE SPECIFIED

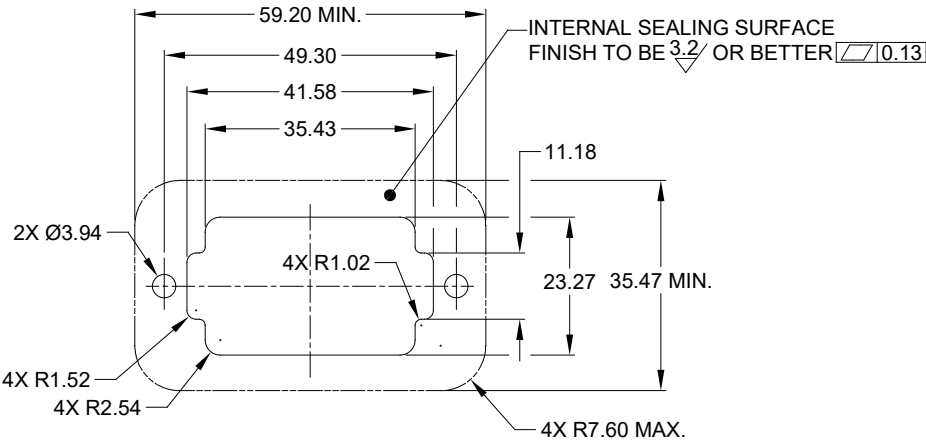
- MATERIAL:  
HOUSING: THERMOPLASTIC; COLOR: BLACK  
SEAL: SILICONE RUBBER  
CONTACT: COPPER ALLOY
- MODIFICATIONS: FLANGE, PCB MOUNT, STRAIGHT
- SPECIFICATIONS:  
3.1 CURRENT RATING: #12, 25AMPS; #16, 13AMPS  
WHEN USED WITH #12 CROWN CONTACT  
(AT62-210-1231CR OR AT62-210-1231CR-10) IT IS 30 AMPS  
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: IP67 ( MATED CONDITION )  
3.6 MATING CYCLE DURABILITY: 100 CYCLES  
3.7 RoHS COMPLIANT
- MATING PART: AT1612-13SB\* PLUG  
(\* = MODIFICATIONS )
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



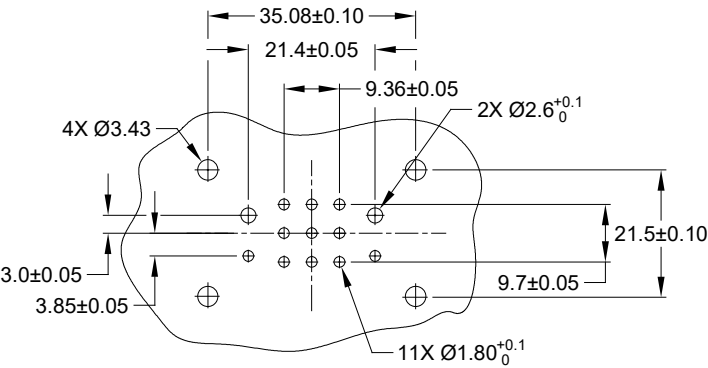
|                                                                                                           |  |                                                                                                                                                                                                                                                                      |  |             |  |                                                                                                                                                                                                                                                |          |
|-----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                                                                                                           |  | SEE SHEET 2                                                                                                                                                                                                                                                          |  |             |  |                                                                                                                                                                                                                                                |          |
|                                                                                                           |  | PART NUMBER                                                                                                                                                                                                                                                          |  | DESCRIPTION |  |                                                                                                                                                                                                                                                | ITEM     |
| QUANTITY                                                                                                  |  | MATERIALS LIST                                                                                                                                                                                                                                                       |  |             |  |                                                                                                                                                                                                                                                |          |
| UNLESS OTHERWISE SPECIFIED                                                                                |  | SIGNATURES                                                                                                                                                                                                                                                           |  | DATE        |  | <div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a><br/>44724 Morley Drive<br/>Clinton Township, MI 48036</div> <div>BOARDLOCK PCB MOUNT RECEPTACLE<br/>13 PIN, STRAIGHT, AT SERIES</div> |          |
| 1) All dimensions are in metric(mm).                                                                      |  | DRAWN:                                                                                                                                                                                                                                                               |  | ROOKIE      |  |                                                                                                                                                                                                                                                | 03DEC19  |
| 2) Tolerances are as follows:<br>1 PL DEC ±0.30<br>2 PL DEC ±0.15<br>3 PL DEC ±0.08                       |  | CHECKED:                                                                                                                                                                                                                                                             |  | ORION       |  |                                                                                                                                                                                                                                                | 03DEC19  |
| Angles ±1/64                                                                                              |  | ENGINEER:                                                                                                                                                                                                                                                            |  |             |  |                                                                                                                                                                                                                                                |          |
| 3) Note reference =  |  | APPROVAL:                                                                                                                                                                                                                                                            |  | TOMMY       |  |                                                                                                                                                                                                                                                | 03DEC19  |
| MATERIAL SPECIFICATIONS:                                                                                  |  | CUSTOMER:                                                                                                                                                                                                                                                            |  |             |  |                                                                                                                                                                                                                                                |          |
| PROCESS SPECIFICATIONS:                                                                                   |  | 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. |  |             |  |                                                                                                                                                                                                                                                |          |
| NEXT ASSY:                                                                                                |  | SIZE                                                                                                                                                                                                                                                                 |  | TYPE        |  | DWG NO.                                                                                                                                                                                                                                        | REVISION |
|                                                                                                           |  | B                                                                                                                                                                                                                                                                    |  | C-          |  | AT15-1612PB-BMXX                                                                                                                                                                                                                               | A1       |
|                                                                                                           |  | SCALE                                                                                                                                                                                                                                                                |  | NONE        |  | SHEET 1 OF 2                                                                                                                                                                                                                                   |          |

TITLE: PCB MOUNT RECEPTACLE 13PIN STRAIGHT AT SERIES  
DWG NO: AT15-1612PB-BMXX  
REV: A1  
SH: 1  
OF: 2

| REVISIONS |     |                     |         |        |       |
|-----------|-----|---------------------|---------|--------|-------|
| REV       | ECO | DESCRIPTION         | DATE    | BY     | APPR  |
| A1        | --  | RELEASE NEW PRODUCT | 03DEC19 | ROOKIE | TOMMY |



RECOMMENDED PANEL CUTOUT



RECOMMENDED PCB LAYOUT

| P/N CHART       |                             |                  |
|-----------------|-----------------------------|------------------|
| CONTACT PLATING | POTTING OR NOT IN RESERVOIR | PART NUMBER      |
| GOLD            | NO POTTING                  | AT15-1612PB-BM01 |
| GOLD            | POTTING                     | AT15-1612PB-BM02 |
| TIN             | NO POTTING                  | AT15-1612PB-BM03 |
| TIN             | POTTING                     | AT15-1612PB-BM04 |

|                                                                                                           |  |                                                                                                                                                                                                                                                                      |        |             |  |                                                                                                                                                                      |                  |
|-----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                                                                                           |  | SEE P/N CHART                                                                                                                                                                                                                                                        |        |             |  |                                                                                                                                                                      |                  |
|                                                                                                           |  | PART NUMBER                                                                                                                                                                                                                                                          |        | DESCRIPTION |  |                                                                                                                                                                      | ITEM             |
| QUANTITY                                                                                                  |  | MATERIALS LIST                                                                                                                                                                                                                                                       |        |             |  |                                                                                                                                                                      |                  |
| UNLESS OTHERWISE SPECIFIED                                                                                |  | SIGNATURES                                                                                                                                                                                                                                                           |        | DATE        |  | <div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a><br/>44724 Morley Drive<br/>Clinton Township, MI 48036</div> |                  |
| 1) All dimensions are in metric(mm).                                                                      |  | DRAWN:                                                                                                                                                                                                                                                               | ROOKIE | 03DEC19     |  |                                                                                                                                                                      |                  |
| 2) Tolerances are as follows:                                                                             |  | CHECKED:                                                                                                                                                                                                                                                             | ORION  | 03DEC19     |  |                                                                                                                                                                      |                  |
| 1 PL DEC ±0.30                                                                                            |  | ENGINEER:                                                                                                                                                                                                                                                            |        |             |  |                                                                                                                                                                      |                  |
| 2 PL DEC ±0.15                                                                                            |  | APPROVAL:                                                                                                                                                                                                                                                            | TOMMY  | 03DEC19     |  |                                                                                                                                                                      |                  |
| 3 PL DEC ±0.08                                                                                            |  | CUSTOMER:                                                                                                                                                                                                                                                            |        |             |  |                                                                                                                                                                      |                  |
| 3) Note reference =  |  | 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. |        | SIZE        |  | TYPE                                                                                                                                                                 | DWG NO.          |
| MATERIAL SPECIFICATIONS:                                                                                  |  | PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                              |        | B           |  | C-                                                                                                                                                                   | AT15-1612PB-BMXX |
| NEXT ASSY:                                                                                                |  |                                                                                                                                                                                                                                                                      |        | SCALE       |  | NONE                                                                                                                                                                 |                  |
|                                                                                                           |  |                                                                                                                                                                                                                                                                      |        |             |  | SHEET                                                                                                                                                                | 2 OF 2           |