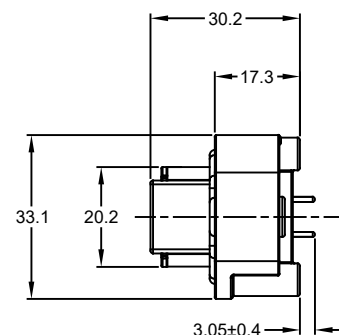
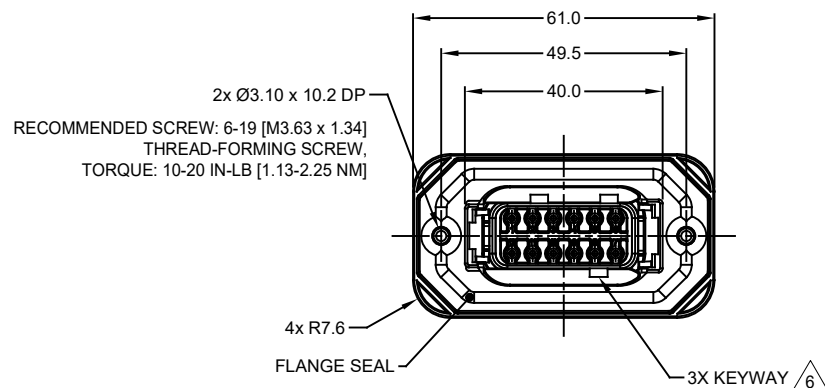
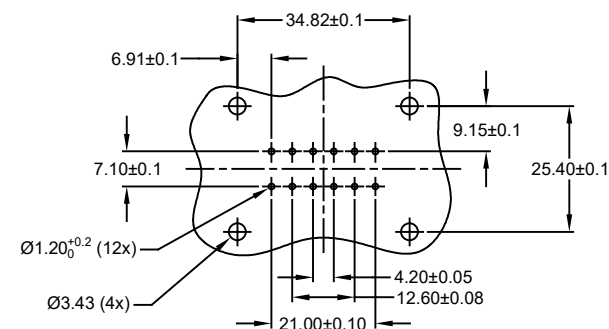
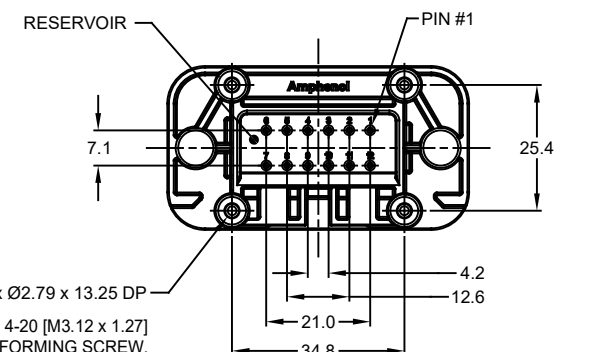


| REVISIONS |     |                     |         |        |       |
|-----------|-----|---------------------|---------|--------|-------|
| REV       | ECO | DESCRIPTION         | DATE    | BY     | APPR  |
| A1        | -   | RELEASE NEW DRAWING | 15JUN18 | SULLEN | TOMMY |
| A2        | -   | REVISED DRAWING     | 10JUL20 | JHEAD  | DH    |



RECOMMENDED SCREW: 4-20 [M3.12 x 1.27]  
THREAD-FORMING SCREW,  
TORQUE: 6-10 IN-LB [0.68-1.13 NM]



RECOMMENDED PCB LAYOUT  
VIEW FROM COMPONENTS  
SIDE OF PCB

|                                                                                                           |                |                                                                                                                                                                                                                                                                      |  |              |
|-----------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|
| ATM15-12PX-BMXX                                                                                           |                | DTM15-12PA, DTM15-12PB, DTM15-12PC, DTM15-12PD,<br>DTM15-12PA-G003, DTM15-12PB-G003, DTM15-12PC-G003                                                                                                                                                                 |  |              |
| PART NUMBER                                                                                               |                | DESCRIPTION                                                                                                                                                                                                                                                          |  | ITEM         |
| QUANTITY                                                                                                  | MATERIALS LIST |                                                                                                                                                                                                                                                                      |  |              |
| UNLESS OTHERWISE SPECIFIED                                                                                |                | SIGNATURES                                                                                                                                                                                                                                                           |  | DATE         |
| 1) All dimensions are in metric (mm).                                                                     |                | DRAWN: SULEN.ZHANG                                                                                                                                                                                                                                                   |  | 15JUN18      |
| 2) Tolerances are as follows:                                                                             |                | CHECKED: ORION.LI                                                                                                                                                                                                                                                    |  | 15JUN18      |
| 1 PL DEC ±0.30                                                                                            |                | ENGINEER:                                                                                                                                                                                                                                                            |  |              |
| 2 PL DEC ±0.15                                                                                            |                | APPROVAL: TOMMY.XIE                                                                                                                                                                                                                                                  |  | 15JUN18      |
| 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. |  |              |
| MATERIAL SPECIFICATIONS:                                                                                  |                | SIZE                                                                                                                                                                                                                                                                 |  | TYPE         |
| PROCESS SPECIFICATIONS:                                                                                   |                | DWG NO.                                                                                                                                                                                                                                                              |  | REVISION     |
| NEXT ASSY:                                                                                                |                | B C- ATM15-12PX-BMXX                                                                                                                                                                                                                                                 |  | A2           |
|                                                                                                           |                | SCALE: NONE                                                                                                                                                                                                                                                          |  | SHEET 1 OF 2 |

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
HOUSING: THERMOPLASTIC, GREY  
SEAL: SILICONE RUBBER  
CONTACT: COPPER ALLOY
- CONTACT PLATING: SEE SHEET 2
- MODIFICATIONS: FLANGE; STRAIGHT PCB MOUNT

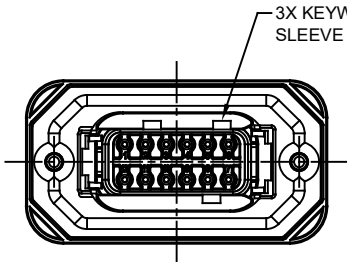
- SPECIFICATIONS:  
4.1 CURRENT RATING: 7.5 AMPS  
4.2 OPERATING TEMPERATURE: -55°C TO +125°C  
4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC  
4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C  
4.5 MOISTURE RESISTANCE: IP67 ( MATED CONDITION )  
4.6 MATING CYCLE DURABILITY: 100 CYCLES  
4.7 RoHS COMPLIANT

- MATING PART: ATM06-12SX-\*  
( X = A,B,C,D KEYS ; \* = MODIFICATIONS AND COLORS)

$\triangle$  6 SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS AND COLORS

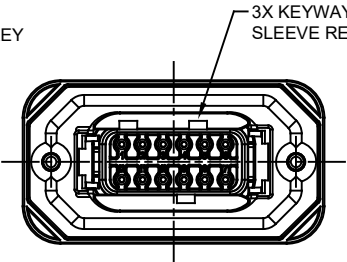
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY
- POTTED CONNECTORS SPECIFIED FOR UP TO 5 P.S.I. APPLICATIONS.

| REVISIONS |     |                     |         |        |       |
|-----------|-----|---------------------|---------|--------|-------|
| REV       | ECO | DESCRIPTION         | DATE    | BY     | APPR  |
| A1        | -   | RELEASE NEW DRAWING | 15JUN18 | SULLEN | TOMMY |
| A2        | -   | REVISED DRAWING     | 10JUL20 | JHEAD  | DH    |



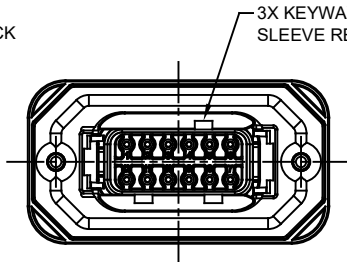
ATM15-12PA-BMXX  
KEY A

| ATM15-12PA-BMXX VARIANTS |                             |                 |
|--------------------------|-----------------------------|-----------------|
| CONTACT PLATING          | POTTING OR NOT IN RESERVOIR | PART NUMBER     |
| GOLD                     | NO POTTING                  | ATM15-12PA-BM01 |
| GOLD                     | POTTING                     | ATM15-12PA-BM02 |
| TIN                      | NO POTTING                  | ATM15-12PA-BM03 |
| TIN                      | POTTING                     | ATM15-12PA-BM04 |



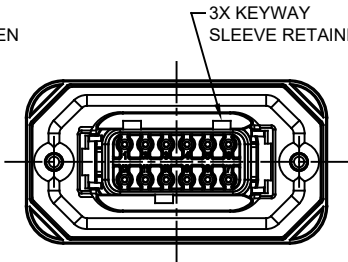
ATM15-12PB-BMXX  
KEY B

| ATM15-12PB-BMXX VARIANTS |                             |                 |
|--------------------------|-----------------------------|-----------------|
| CONTACT PLATING          | POTTING OR NOT IN RESERVOIR | PART NUMBER     |
| GOLD                     | NO POTTING                  | ATM15-12PB-BM01 |
| GOLD                     | POTTING                     | ATM15-12PB-BM02 |
| TIN                      | NO POTTING                  | ATM15-12PB-BM03 |
| TIN                      | POTTING                     | ATM15-12PB-BM04 |



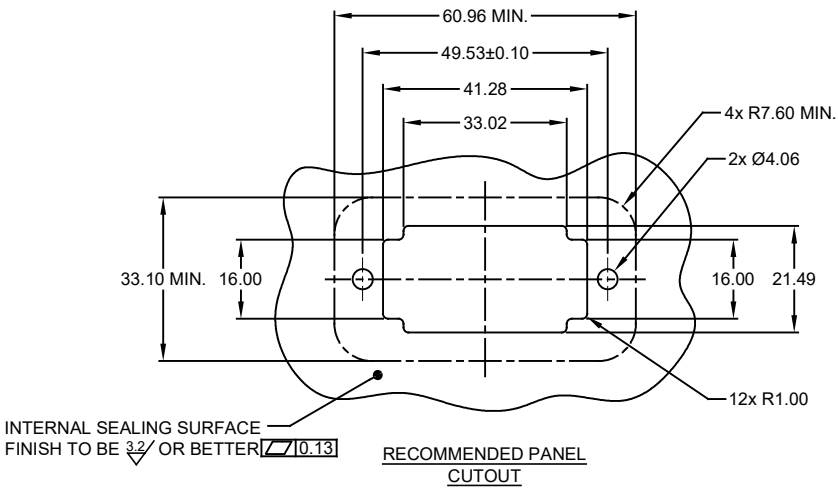
ATM15-12PC-BMXX  
KEY C

| ATM15-12PC-BMXX VARIANTS |                             |                 |
|--------------------------|-----------------------------|-----------------|
| CONTACT PLATING          | POTTING OR NOT IN RESERVOIR | PART NUMBER     |
| GOLD                     | NO POTTING                  | ATM15-12PC-BM01 |
| GOLD                     | POTTING                     | ATM15-12PC-BM02 |
| TIN                      | NO POTTING                  | ATM15-12PC-BM03 |
| TIN                      | POTTING                     | ATM15-12PC-BM04 |



ATM15-12PD-BMXX  
KEY D

| ATM15-12PD-BMXX VARIANTS |                             |                 |
|--------------------------|-----------------------------|-----------------|
| CONTACT PLATING          | POTTING OR NOT IN RESERVOIR | PART NUMBER     |
| GOLD                     | NO POTTING                  | ATM15-12PD-BM01 |
| GOLD                     | POTTING                     | ATM15-12PD-BM02 |
| TIN                      | NO POTTING                  | ATM15-12PD-BM03 |
| TIN                      | POTTING                     | ATM15-12PD-BM04 |



|                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                                                                                                  |  |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|
| ATM15-12PX-BMXX                                                                                                                                                                                                                                                      |                | DESCRIPTION                                                                                                                                                                                                                                                      |  | ITEM |
| PART NUMBER                                                                                                                                                                                                                                                          |                |                                                                                                                                                                                                                                                                  |  |      |
| QUANTITY                                                                                                                                                                                                                                                             | MATERIALS LIST |                                                                                                                                                                                                                                                                  |  |      |
| UNLESS OTHERWISE SPECIFIED:<br>1) All dimensions are in metric(mm).<br>2) Tolerances are as follows:<br>1 PL DEC ±0.30 1 Fractions ±1/64<br>2 PL DEC ±0.15 Angles ±1°<br>3 PL DEC ±0.08<br>3) Note reference =                                                       |                | SIGNATURES DATE<br>DRAWN: SULEN.ZHANG 15JUN18<br>CHECKED: ORION.LI 15JUN18<br>ENGINEER:<br>APPROVAL: TOMMY.XIE 15JUN18<br>CUSTOMER:<br>MATERIAL SPECIFICATIONS:<br>PROCESS SPECIFICATIONS:<br>NEXT ASSY:                                                         |  |      |
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TITLE: PCB MOUNT RECEPTACLE, 12PIN, STRAIGHT FLANGE, ATM SERIES  
DWG NO: ATM15-12PX-BMXX  
REV: A2  
SH: 2  
OF: 2

# Mouser Electronics

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[ATM15-12PC-BM02](#)