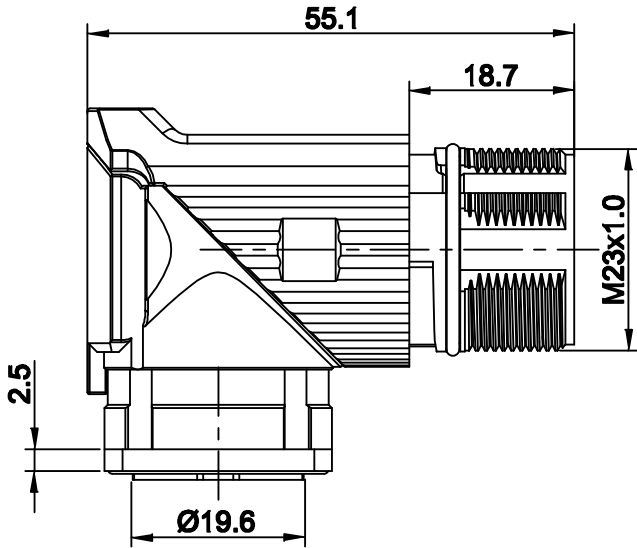
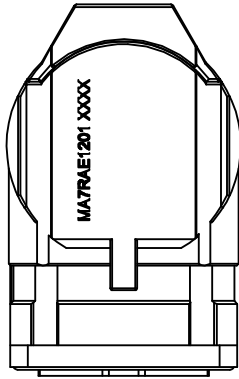
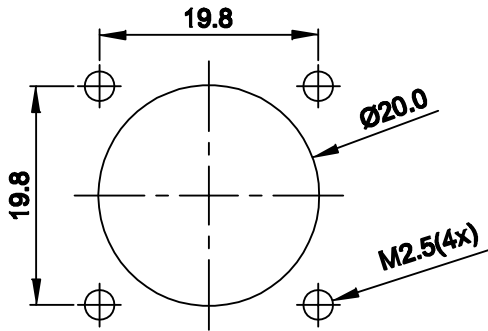
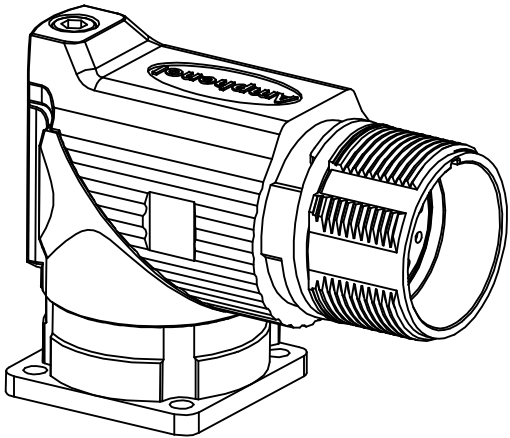
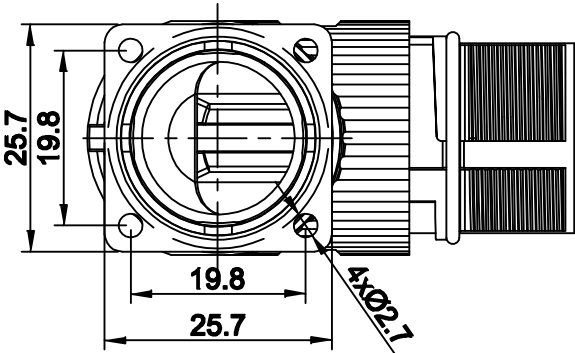
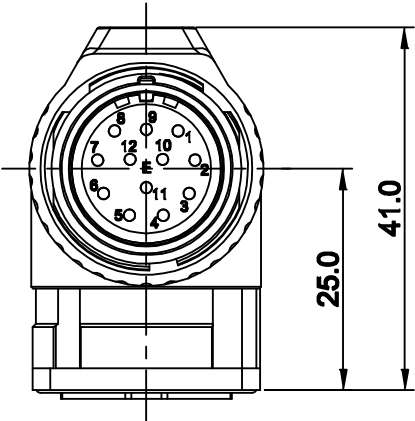


| REVISIONS |     |                 |             |       |       |
|-----------|-----|-----------------|-------------|-------|-------|
| REV       | ECO | DESCRIPTION     | DATE        | BY    | APPR  |
| A1        | -   | FIRST RELEASE   | Nov.20.2015 | Drack | Tommy |
| A2        | -   | Updated Drawing | Jun.20.2017 | White | Tommy |



E TYPE, NORMAL KEY



MOUNTING HOLE

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
2. SPECIFICATIONS  
2.1 CURRENT RATING: 10MPS  
2.2 VOLTAGE RATING: 160 AC/DC  
2.3 OPERATING TEMPERATURE: -20C TO +130C  
2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.  
2.5 DEGREE OF PROTECTION: IP67 (MATED CONDITION)  
2.6 DEGREE OF POLLUTION: 3 PER UL840  
2.7 OVERVOLTAGE CATEGORY: III PER UL840  
2.8 MATING CYCLE DURABILITY: >500 CYCLES  
2.9 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

|                                                                                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|--------------|-------------|--------------|-------------|-----------|--|-----------------|-------------|-----------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|---------|----------|---|----|------------|----|-------------|--|---------|------|
|                                                                                                                                                                                                                                                                               | SEE PART NUMBER CHART |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| QUANTITY                                                                                                                                                                                                                                                                      | PART NUMBER           | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ITEM              |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| MATERIALS LIST                                                                                                                                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| <b>UNLESS OTHERWISE SPECIFIED</b><br>1) All dimensions are in metric(mm).<br>2) Tolerances are as follows:<br>1 PL DEC ±0.30<br>2 PL DEC ±0.15<br>3 PL DEC ±0.08<br>3) Note reference =  |                       | <table><tr><td><b>SIGNATURES</b></td><td><b>DATE</b></td></tr><tr><td>DRAWN: White</td><td>Jun.20.2017</td></tr><tr><td>CHECKED: Tod</td><td>Jun.20.2017</td></tr><tr><td>ENGINEER:</td><td></td></tr><tr><td>APPROVAL: Tommy</td><td>Jun.20.2017</td></tr><tr><td colspan="2">CUSTOMER:</td></tr><tr><td colspan="2">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.</td></tr></table> | <b>SIGNATURES</b> | <b>DATE</b> | DRAWN: White | Jun.20.2017 | CHECKED: Tod | Jun.20.2017 | ENGINEER: |  | APPROVAL: Tommy | Jun.20.2017 | 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. |  | <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>M23A,REC.,RA,12P,E TYPE</div> <table><tr><td>SIZE</td><td>TYPE</td><td>DWG NO:</td><td>REVISION</td></tr><tr><td>B</td><td>C-</td><td>MA7RAE1201</td><td>A2</td></tr><tr><td colspan="2">SCALE: NONE</td><td>SHEET 1</td><td>OF 1</td></tr></table> | SIZE | TYPE | DWG NO: | REVISION | B | C- | MA7RAE1201 | A2 | SCALE: NONE |  | SHEET 1 | OF 1 |
| <b>SIGNATURES</b>                                                                                                                                                                                                                                                             | <b>DATE</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| DRAWN: White                                                                                                                                                                                                                                                                  | Jun.20.2017           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| CHECKED: Tod                                                                                                                                                                                                                                                                  | Jun.20.2017           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| ENGINEER:                                                                                                                                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| APPROVAL: Tommy                                                                                                                                                                                                                                                               | Jun.20.2017           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| CUSTOMER:                                                                                                                                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
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| SIZE                                                                                                                                                                                                                                                                          | TYPE                  | DWG NO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | REVISION          |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| B                                                                                                                                                                                                                                                                             | C-                    | MA7RAE1201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A2                |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| SCALE: NONE                                                                                                                                                                                                                                                                   |                       | SHEET 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OF 1              |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |
| NEXT ASSY:                                                                                                                                                                                                                                                                    |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |             |              |             |              |             |           |  |                 |             |           |  |                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |         |          |   |    |            |    |             |  |         |      |