

| REVISIONS |     |                |             |       |       |
|-----------|-----|----------------|-------------|-------|-------|
| REV       | ECO | DESCRIPTION    | DATE        | BY    | APPR  |
| A1        | -   | FIRST RELEASE  | Jun.27,2015 | Drack | Tommy |
| A2        | -   | UPDATE DRAWING | Mar.22,2017 | Regan | Tommy |

TITLE: KIT:M23A SERIES,RECEPTACLE,16 POS.,1.0mm PIN CONTACT

DWG NO:

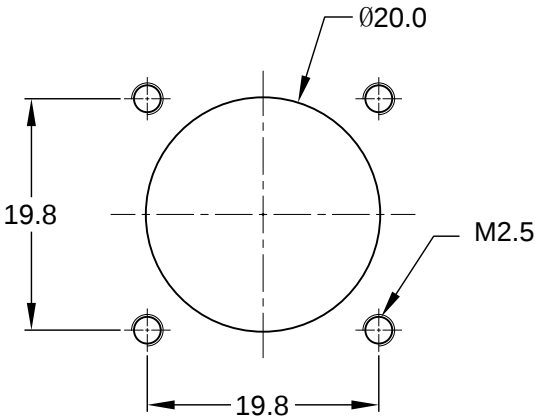
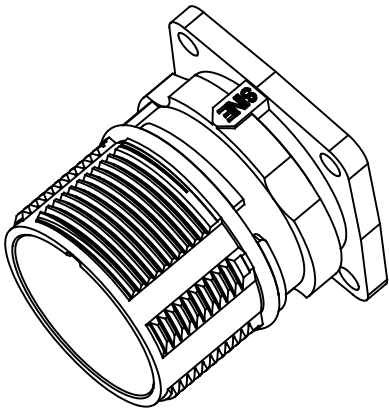
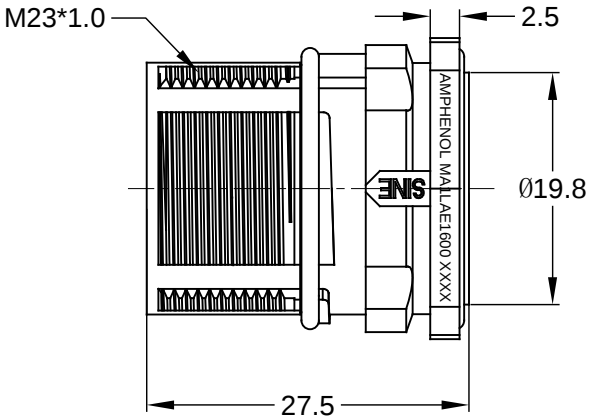
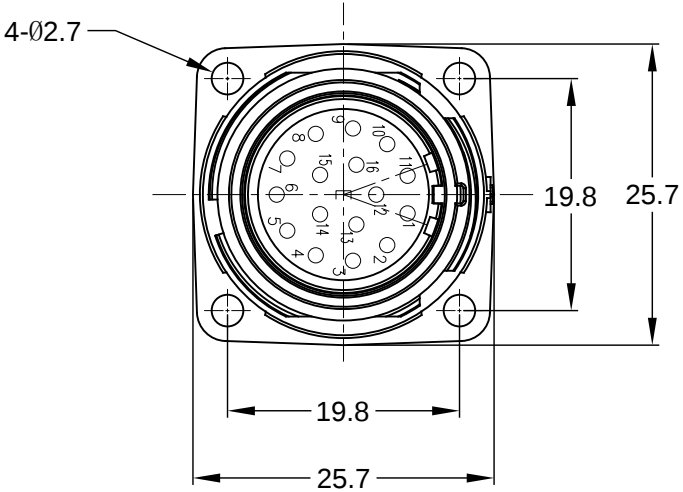
MA1LAE1600-KIT

REV: A2

SH: 1

OF: 1

E type, Normal Key



Mounting Holes

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED  
CONTACT: COPPER ALLOY, GOLD PLATED
- SPECIFICATIONS:  
2.1 CURRENT RATING: 9 AMPS  
2.2 VOLTAGE RATING: 125 V AC/DC  
2.3 CONTACT RESISTANCE: <5 mOHMS  
2.4 OPERATING TEMPERATURE: -20°C TO +130°C  
2.5 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.  
2.6 DEGREE OF PROTECTION: IP67 ( MATED CONDITION )  
2.7 DEGREE OF POLLUTION: 3 PER UL840  
2.8 OVERVOLTAGE CATEGORY: III PER UL840  
2.9 MATING CYCLE DURABILITY: >500 CYCLES  
2.10 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| 16       | SC000146    | CONTACT, PIN, Ø1.0mm ,Crimp 28~24AWG | 3    |
|----------|-------------|--------------------------------------|------|
| 16       | SC000035    | CONTACT, PIN, Ø1.0mm, Crimp 22~18AWG | 2    |
| 1        | MA1LAE1600  | CONNECTOR                            | 1    |
| QUANTITY | PART NUMBER | DESCRIPTION                          | ITEM |

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: Regan                                                                                                                                                                                                                                                         |  | Mar.22,2017 |  |                                                                                                                                                                      |      |                |          |  |
| 2) Tolerances are as follows:                                                                             |  | CHECKED:                                                                                                                                                                                                                                                             |  |             |  |                                                                                                                                                                      |      |                |          |  |
| 1 PL DEC ±0.30<br>2 PL DEC ±0.15<br>3 PL DEC ±0.08                                                        |  | Fractions ±1/64<br>Angles ±1°                                                                                                                                                                                                                                        |  |             |  |                                                                                                                                                                      |      |                |          |  |
| 3) Note reference =  |  | ENGINEER:                                                                                                                                                                                                                                                            |  |             |  | <div>KIT:M23,A SERIES,RECEPTACLE<br/>16 POS.,1.0mm PIN CONTACT</div>                                                                                                 |      |                |          |  |
| MATERIAL SPECIFICATIONS:                                                                                  |  | APPROVAL:                                                                                                                                                                                                                                                            |  |             |  |                                                                                                                                                                      |      |                |          |  |
|                                                                                                           |  | 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. |  |             |  |                                                                                                                                                                      |      |                |          |  |
| PROCESS SPECIFICATIONS:                                                                                   |  |                                                                                                                                                                                                                                                                      |  |             |  | SIZE                                                                                                                                                                 | TYPE | DWG NO:        | REVISION |  |
|                                                                                                           |  |                                                                                                                                                                                                                                                                      |  |             |  | B                                                                                                                                                                    | C-   | MA1LAE1600-KIT | A2       |  |
| NEXT ASSY:                                                                                                |  |                                                                                                                                                                                                                                                                      |  |             |  | SCALE: NONE                                                                                                                                                          |      | SHEET 1 OF 1   |          |  |