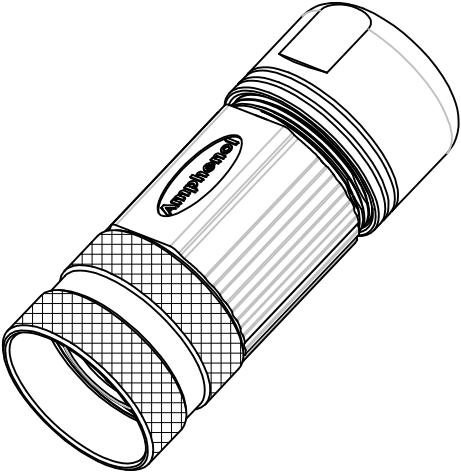
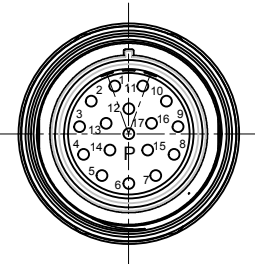
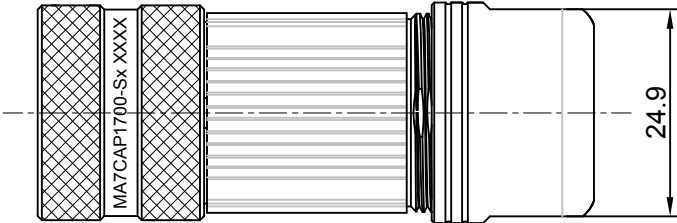
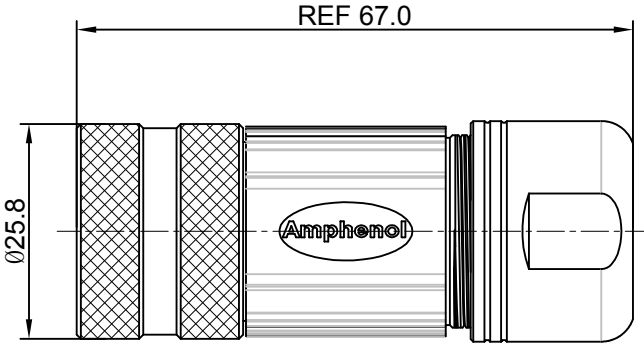
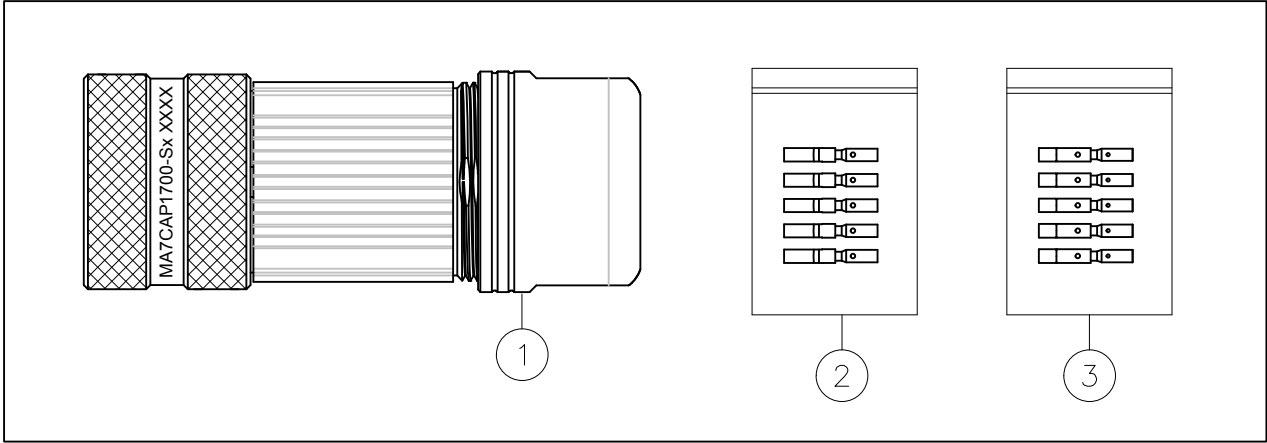




P type, Normal Key  
(P型, 0转位角)







| REVISIONS |     |               |             |       |       |
|-----------|-----|---------------|-------------|-------|-------|
| REV       | ECO | DESCRIPTION   | DATE        | BY    | APPR  |
| A1        | -   | FIRST RELEASE | Oct.30,2017 | White | Tommy |

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON, EPDM  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED  
COUPLING NUT: COPPER ALLOY, NICKEL PLATED  
CONTACT: COPPER ALLOY, GOLD PLATED

2. 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.

| Item | Part number        | Connector P/N | Cable OD Range |
|------|--------------------|---------------|----------------|
| 1    | MA7CAP1700S-S1-KIT | MA7CAP1700-S1 | 4.5~7.5 mm     |
| 2    | MA7CAP1700S-S2-KIT | MA7CAP1700-S2 | 7.5~11.0 mm    |
| 3    | MA7CAP1700S-S3-KIT | MA7CAP1700-S3 | 11.0~15.0 mm   |

|    |               |                                        |   |
|----|---------------|----------------------------------------|---|
| 17 | SC000030      | CONTACT, SOCKET, Ø1.0mm,CRIMP 24~28AWG | 3 |
| 17 | SC000044      | CONTACT, SOCKET, Ø1.0mm,CRIMP 18~22AWG | 2 |
| 1  | MA7CAP1700-Sx | CONNECTOR                              | 1 |

| QUANTITY                                                                                                                                                                                                          | PART NUMBER | DESCRIPTION                                                                                                                                                                                                                                                                                                             | ITEM |            |      |              |             |              |             |           |  |                 |             |           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|------|--------------|-------------|--------------|-------------|-----------|--|-----------------|-------------|-----------|--|
| 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    Fractions ±1/64<br>2 PL DEC ±0.15    Angles ±1°<br>3 PL DEC ±0.08<br>3) Note reference = |             | <table><thead><tr><th>SIGNATURES</th><th>DATE</th></tr></thead><tbody><tr><td>DRAWN: White</td><td>Oct.30,2017</td></tr><tr><td>CHECKED: Tod</td><td>Oct.30,2017</td></tr><tr><td>ENGINEER:</td><td></td></tr><tr><td>APPROVAL: Tommy</td><td>Oct.30,2017</td></tr><tr><td>CUSTOMER:</td><td></td></tr></tbody></table> |      | SIGNATURES | DATE | DRAWN: White | Oct.30,2017 | CHECKED: Tod | Oct.30,2017 | ENGINEER: |  | APPROVAL: Tommy | Oct.30,2017 | CUSTOMER: |  |
| SIGNATURES                                                                                                                                                                                                        | DATE        |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| DRAWN: White                                                                                                                                                                                                      | Oct.30,2017 |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| CHECKED: Tod                                                                                                                                                                                                      | Oct.30,2017 |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| ENGINEER:                                                                                                                                                                                                         |             |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| APPROVAL: Tommy                                                                                                                                                                                                   | Oct.30,2017 |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| CUSTOMER:                                                                                                                                                                                                         |             |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| MATERIAL 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.                                                    |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                           |             |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |
| NEXT ASSY:                                                                                                                                                                                                        |             |                                                                                                                                                                                                                                                                                                                         |      |            |      |              |             |              |             |           |  |                 |             |           |  |

# Amphenol

Sine Systems - [www.amphenol-sine.com](http://www.amphenol-sine.com)  
44724 Morley Drive  
Clinton Township, MI 48036

KIT;M23A,PLUG,STR,17P,P TYPE

| SIZE | TYPE | DWG NO:            | REVISION |
|------|------|--------------------|----------|
| B    | C-   | MA7CAP1700S-Sx-KIT | A1       |

| SCALE | SHEET | OF |
|-------|-------|----|
| NONE  | 1     | 1  |