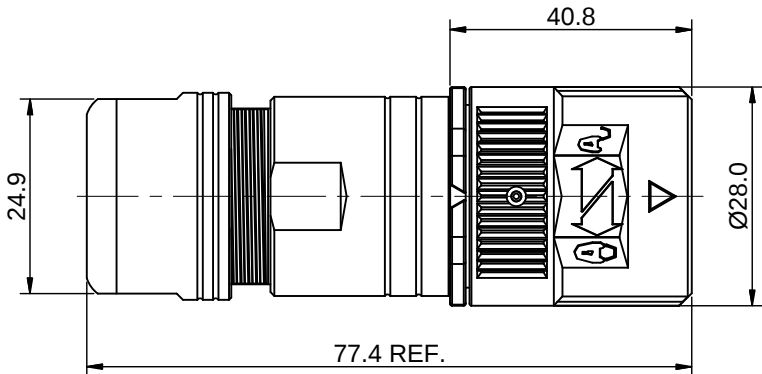
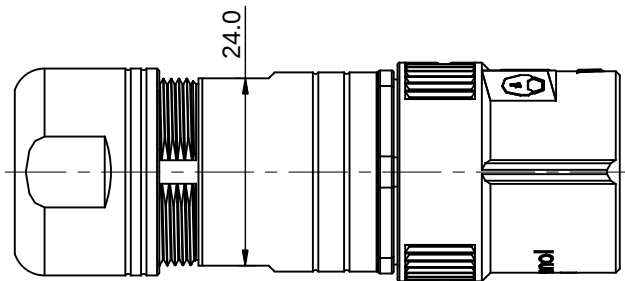
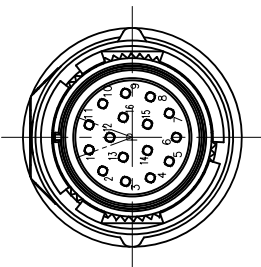


| REVISIONS |     |                        |             |       |      |
|-----------|-----|------------------------|-------------|-------|------|
| REV       | ECO | DESCRIPTION            | DATE        | BY    | APPR |
| A1        | -   | RELEASE NEW DWG FORMAT | 07/22/14    | DRACK |      |
| A2        | -   | UPDATE THE DURABILITY  | May.05,2015 | DRACK |      |
| A3        | -   | UPDATE THE SHAPE       | APR.16,2016 | DRACK |      |



E type, Normal Key

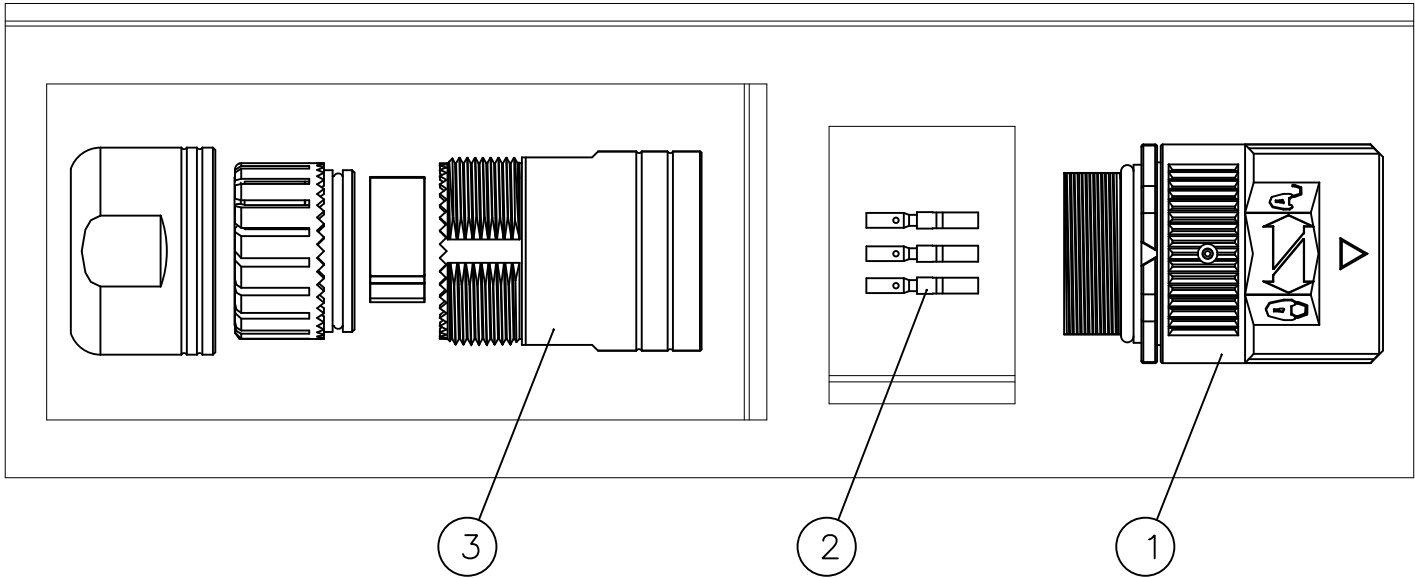


ASSEMBLED VIEW

| Part Number | Cord Grip | Cable OD Range |
|-------------|-----------|----------------|
| P30742-S1   | MA6CG-S1  | 4.5~7.5 mm     |
| P30742-S2   | MA6CG-S2  | 7.5~11.0 mm    |
| P30742-S3   | MA6CG-S3  | 11.0~15.0 mm   |

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON OR EPDM  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED  
COUPLING NUT: COPPER ALLOY, NICKEL PLATED  
EMI SHIELDING RING: STAINLESS STEEL  
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
- CORD GRIP RANGE: SEE TABLE.
- CONTACT BARREL RANGE: 18AWG TO 22AWG
- RECOMMENDED CRIMP TOOLS:  
HAND CRIMPER: AFM8 AND SK2/2  
PNEUMATIC CRIMPER: WA22 AND SK2/2
- EXTRACTION TOOL: 50-54931-1
- ASSEMBLY INSTRUCTIONS: S3-15225
- RoHS COMPLIANT
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



|          |             |                         |      |
|----------|-------------|-------------------------|------|
| 1        | MA6CG-Sx    | CORD GRIP               | 3    |
| 16       | SC000044    | CONTACT, SOCKET, Ø1.0MM | 2    |
| 1        | MA2CAP1600  | CONNECTOR               | 1    |
| QUANTITY | PART NUMBER | DESCRIPTION             | ITEM |

| MATERIALS LIST                                                                                                                                                                                                                          |  |                                                                                                                                  |                                   |                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------|
| <div>UNLESS OTHERWISE SPECIFIED</div> <div>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</div> <div>3) Note reference = <div><div>X</div></div></div> |  | <div>SIGNATURES</div> <div>DRAWN: Drack</div> <div>CHECKED:</div> <div>ENGINEER:</div> <div>APPROVAL:</div> <div>CUSTOMER:</div> |                                   | <div>DATE</div> <div>APR.16,2016</div>  |
| <div>MATERIAL SPECIFICATIONS:</div>                                                                                                                                                                                                     |  | <div>Amphenol</div> <div>Sine Systems - www.amphenol-sine.com<br/>44724 Morley Drive<br/>Clinton Township, MI 48036</div>        |                                   |                                         |
| <div>PROCESS SPECIFICATIONS:</div>                                                                                                                                                                                                      |  | <div>KIT:M23A,PLUG,STRAIGHT,16POS,P TYPE<br/>SOCKET CONTACT,CHECKMATE</div>                                                      |                                   |                                         |
| <div>NEXT ASSY:</div>                                                                                                                                                                                                                   |  | <div>SIZE</div> <div>B</div>                                                                                                     | <div>TYPE</div> <div>C-</div>     | <div>DWG NO:</div> <div>P30742-Sx</div> |
|                                                                                                                                                                                                                                         |  | <div>SCALE:</div> <div>NONE</div>                                                                                                | <div>REVISION</div> <div>A3</div> |                                         |
|                                                                                                                                                                                                                                         |  | <div>SHEET</div> <div>1</div> <div>OF</div> <div>1</div>                                                                         |                                   |                                         |