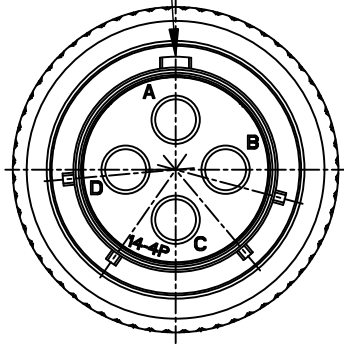
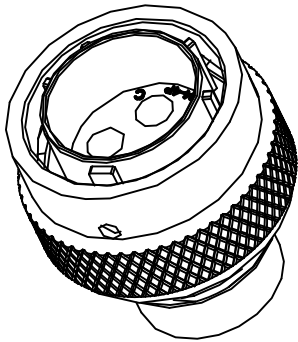
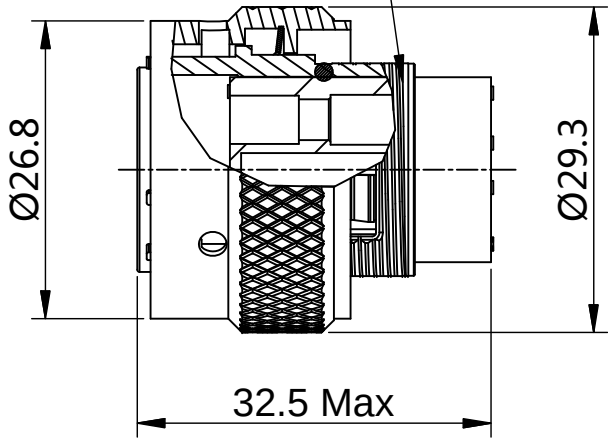


| REVISIONS |     |                  |             |     |       |
|-----------|-----|------------------|-------------|-----|-------|
| REV       | ECO | DESCRIPTION      | DATE        | BY  | APPR  |
| B1        | -   | RELEASED DRAWING | Nov-23-2014 | Ben | Tommy |

MASTER KEYWAY



13/16-20 UNEF THREAD



NOTES : (UNLESS OTHERWISE SPECIFIED)

- MATERIAL :  
SHELL : ZINC ALLOY , NICKEL PLATED.  
INSERT : THERMOPLASTIC , UL94 V-0.  
COUPLING NUT : AL ALLOY , NICKEL PLATED.  
WAVE WASHER : STAINLESS STEEL .  
O-RING : NBR/SILICONE RUBBER.
- SPECIFICATIONS :  
2.1 RATED CURRENT : 23A (MAX).  
2.2 RATED VOLTAGE : 350V ( AC/DC ) .  
2.3 OPERATING TEMPERATURE : SEE CHART.  
2.4 DIELECTRIC WITHSTANDING VOLTAGE : LESS THAN  
2 MILLIAMPS CURRENT LEAKAGE@2000 VOLTS AC.  
2.5 INSULATION RESISTANCE : 5000 MEGOHMS MIN.  
2.6 IP--CLASS : IP67.  
2.7 MATING CYCLES DURABILITY : 500 CYCLES MIN.  
2.8 ROHS COMPLIANT.
- SUITABLE CONTACTS : 2.5mm CONTACTS.
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| KEY POS | PART NUMBER   |               |
|---------|---------------|---------------|
|         | -40°C ~ 105°C | -40°C ~ 125°C |
| N       | RT06144PNH    | RT06144PNH03  |
| W       | RT06144PWH    | RT06144PWH03  |
| X       | RT06144PXH    | RT06144PXH03  |
| Y       | RT06144PYH    | RT06144PYH03  |
| Z       | RT06144PZH    | RT06144PZH03  |

|                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                             |  |                                                 |  |                                                                                                                                                                      |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                                                                                                                                                                                                                                         |  | SEE PART NUMBER                                                                                                                                                                                                                                                                                             |  |                                                 |  |                                                                                                                                                                      |                                           |
|                                                                                                                                                                                                                                         |  | CHART                                                                                                                                                                                                                                                                                                       |  |                                                 |  |                                                                                                                                                                      |                                           |
| 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: Ben</div> <div>CHECKED:</div> <div>ENGINEER:</div> <div>APPROVAL:</div>                                                                                                                                                                                                   |  | <div>DATE</div> <div>Nov-23-2014</div>          |  | <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>MATERIAL SPECIFICATIONS:</div>                                                                                                                                                                                                     |  | <div>CUSTOMER:</div>                                                                                                                                                                                                                                                                                        |  | <div>ECO-MATE,PLUG,<br/>SIZE 14,4POS,PIN.</div> |  |                                                                                                                                                                      |                                           |
| <div>PROCESS SPECIFICATIONS:</div>                                                                                                                                                                                                      |  | <div>THIS DRAWING IS SUPPLIED FOR<br/>INFORMATION ONLY. DESIGN FEATURES,<br/>SPECIFICATIONS AND PERFORMANCE DATA<br/>SHOWN HEREON ARE THE PROPERTY OF<br/>THE AMPHENOL CORPORATION. NO RIGHTS<br/>OF REPRODUCTION ARE IMPLIED. ALL<br/>DIMENSIONS ARE SUBJECT TO NORMAL<br/>MANUFACTURING VARIATIONS.</div> |  | <div>SIZE</div> <div>B</div>                    |  | <div>TYPE</div> <div>C-</div>                                                                                                                                        | <div>DWG NO:</div> <div>RT06144P*H*</div> |
| <div>NEXT ASSY:</div>                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                             |  | <div>SCALE:</div> <div>NONE</div>               |  | <div>REVISION</div> <div>B1</div>                                                                                                                                    |                                           |
|                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                             |  |                                                 |  | <div>SHEET</div> <div>1</div>                                                                                                                                        | <div>OF</div> <div>1</div>                |

TITLE: ECO-MATE,PLUG,SIZE 14,4POS,PIN. DWG NO: RT06144P\*H\* REV: B1 SH: 1 OF: 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 12 Options

| Crimp Contacts, Machined |        |     |                  |         |
|--------------------------|--------|-----|------------------|---------|
| Part Number              |        | AWG | Wire Range (mm²) | Plating |
| Male                     | Female |     |                  |         |
| N/A                      |        |     |                  |         |

| Tooling, Machined |             |
|-------------------|-------------|
| Part Number       | Description |
| N/A               | N/A         |
| N/A               | N/A         |

| Plating Options, All |         |
|----------------------|---------|
| Symbol               | Plating |
| N/A                  | N/A     |

| Crimp Contacts, Stamped & Formed |         |       |                  |         |
|----------------------------------|---------|-------|------------------|---------|
| Part Number                      |         | AWG   | Wire Range (mm²) | Plating |
| Male                             | Female  |       |                  |         |
| SP12A1T                          | SS12A1T | 14-12 | 2.5-3.5          | Tin     |

| Tooling, Stamped & Formed |                                                    |
|---------------------------|----------------------------------------------------|
| Part Number               | Description                                        |
| QXRT12S                   | Contact Extraction Tool, 2.5mm Contact             |
| MFx-3962                  | Hand Tool, Stamped & Formed Contact, 2.5mm Contact |

| Misc Tooling, All |                       |
|-------------------|-----------------------|
| Part Number       | Description           |
| CA-4012-59        | Sealing Plug, Size 12 |

| Standard Quantity Order Options |                   |
|---------------------------------|-------------------|
| Machined                        | Stamped & Formed  |
| N/A                             | Reel, 1000 Pieces |

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