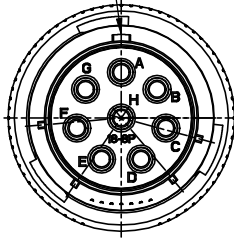
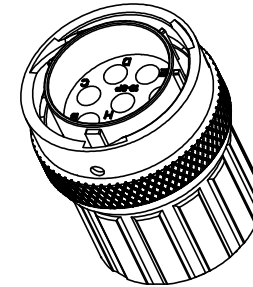
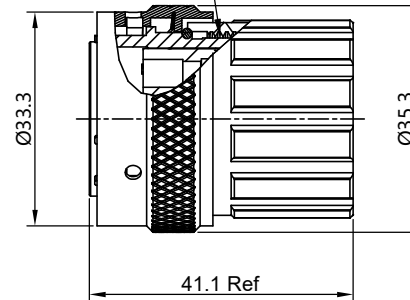


MASTER KEYDEY



1" 1/16-18 UNEF THERAD



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:

SHELL: ZINC ALLOY, NICKEL PLATED.  
INSERT: THERMOPLASTIC, UL94 V-0.  
COULPING NUT: AL ALLOY, NICKEL PLATED.  
END CAP: THERMOPLASTIC, UL94 V-0.  
PLASTIC BUSHING: THERMOPLASTIC, UL94 V-0.  
O-RING: NBR/SILICONE RUBBER.  
WIRE SEAL: SILICONE RUBBER.

2. SPECIFICATIONS:

2.1 RATED CURRENT: 23A (MAX).  
2.2 RATED VOLTAGE: 500V (AC/DC) .  $\Delta$   
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(MATED CONDITION).  
2.7 MATING CYCLES DURABILITY: 500 CYCLES MIN.  
2.8 RoHS COMPLIANT.

3. SUITABLE CONTACTS : 2.5mm CONTACTS.

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

5. CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D. | MAX. INSUL O.D. |
|--------------|-----------------|-----------------|
| 2.5mm        | Ø3.3mm          | Ø4.3mm          |

REVISIONS

| REV | ECO | DESCRIPTION        | DATE         | BY   | APPR  |
|-----|-----|--------------------|--------------|------|-------|
| B1  | -   | RELEASED DRAWING   | JULY-07-2014 | BEN  | TOMMY |
| B2  | -   | UPDATE THE VOLTAGE | Dec-3-2019   | Flan | Tommy |

| KEY POS | PART NUMBER   |                |
|---------|---------------|----------------|
|         | -40°C ~ 105°C | -40°C ~ 125°C  |
| N       | RT06188PNHEC  | RT06188PNHEC03 |
| W       | RT06188PWHEC  | RT06188PWHEC03 |
| X       | RT06188PXHEC  | RT06188PXHEC03 |
| Y       | RT06188PYHEC  | RT06188PYHEC03 |
| Z       | RT06188PZHEC  | RT06188PZHEC03 |

|                                                                                                                                                                                                  |             |                                                                                                                                                                                                                                                                      |                                                                                                             |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------|
| SEE PART NUMBER CHART                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                      |                                                                                                             |      |
| QUANTITY                                                                                                                                                                                         | PART NUMBER | DESCRIPTION                                                                                                                                                                                                                                                          |                                                                                                             | ITEM |
| <b>MATERIALS LIST</b>                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                      |                                                                                                             |      |
| <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 = $\Delta$ |             | <b>SIGNATURES</b><br>DRAWN: Flan<br>CHECKED: Martin<br>ENGINEER:<br>APPROVAL: Tommy<br>CUSTOMER:<br>DATE<br>Dec-3-2019<br>Dec-3-2019<br>Dec-3-2019                                                                                                                   | <b>Amphenol</b><br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036 |      |
| 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:                                                                                                                                                                          |             | SIZE B C- DWG NO: RT06188P*HEC* REVISION B2                                                                                                                                                                                                                          |                                                                                                             |      |
| NEXT ASSY:                                                                                                                                                                                       |             | SCALE: NONE SHEET 1 OF 1                                                                                                                                                                                                                                             |                                                                                                             |      |

TITLE: ECO-MATE, PLUG, SIZE 18,8POS,PIN,END CAP.  
DWG NO: RT06188P\*HEC\*  
REV: B2  
SH: 1  
OF: 1

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

| Machined, Crimp Contacts |            |                    |                  |            |
|--------------------------|------------|--------------------|------------------|------------|
| Part Number              |            | Contact Size (AWG) | Wire Range (mm²) | Plating    |
| Male                     | Female     |                    |                  |            |
| MP12B23T                 | MS12B23T   | 14-12AWG           | 2.3-3.5mm²       | Tin        |
| MP12B23S                 | MS12B23S   | 14-12AWG           | 2.3-3.5mm²       | Silver     |
| MP12B23F                 | MS12B23F   | 14-12AWG           | 2.3-3.5mm²       | Gold Flash |
| MP12B23G5                | MS12B23G5  | 14-12AWG           | 2.3-3.5mm²       | Gold 5µ"   |
| MP12B23G10               | MS12B23G10 | 14-12AWG           | 2.3-3.5mm²       | Gold 10µ"  |
| MP12B23G15               | MS12B23G15 | 14-12AWG           | 2.3-3.5mm²       | Gold 15µ"  |
| MP12B23G30               | MS12B23G30 | 14-12AWG           | 2.3-3.5mm²       | Gold 30µ"  |

| Machined, Tooling |                                        |
|-------------------|----------------------------------------|
| Part Number       | Description                            |
| QXRT12S           | Contact Extraction Tool, 2.5mm contact |
| UH2-5             | Universal Locator, Fits AF8 and WA27F  |
| AF8               | Hand Crimper                           |
| WA27F             | Pneumatic Crimper                      |

| Plating Options, All |                            |
|----------------------|----------------------------|
| Symbol               | Plating                    |
| T                    | Tin Plated                 |
| S                    | Silver Plated              |
| F                    | Gold Flash                 |
| G5                   | Gold 5µ" (Thickness 5µ")   |
| G10                  | Gold 10µ" (Thickness 10µ") |
| G15                  | Gold 15µ" (Thickness 15µ") |
| G30                  | Gold 30µ" (Thickness 30µ") |

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

| Stamped & Formed, Tooling |                                                    |
|---------------------------|----------------------------------------------------|
| 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                        | Bag, 500 Pieces   |
| Stamped & Formed                | Reel, 1000 Pieces |