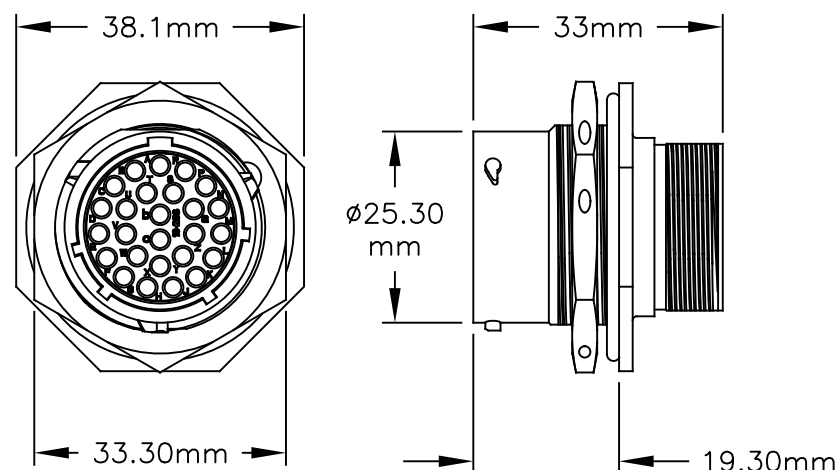


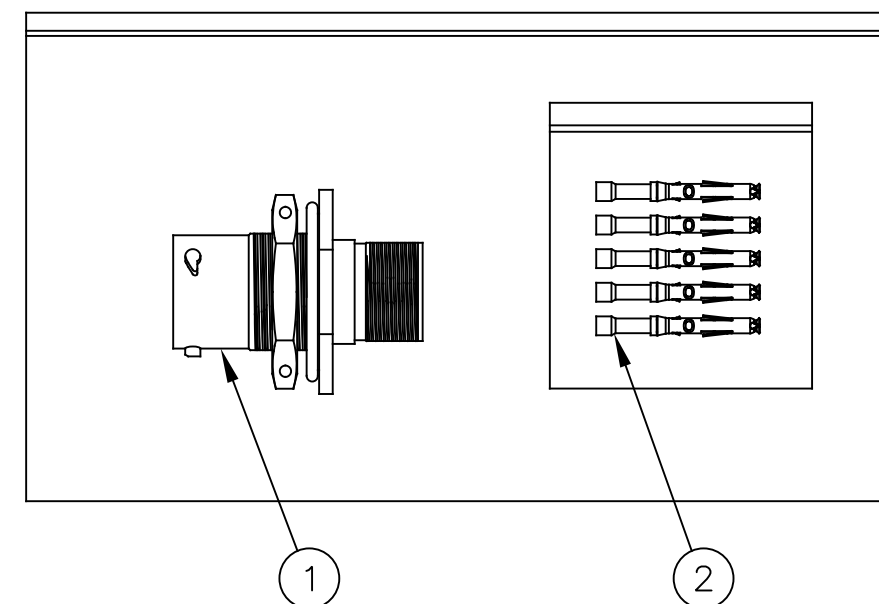


- 1) CONTACT BARREL RANGE: 20AWG TO 22AWG
- 2) RECOMMENDED CRIMP TOOLS:  
HAND CRIMPER: MFX-3959  
PNEUMATIC CRIMPER: MFX-3960
- 3) EXTRACTION TOOL: QXRT20
- 4) MATERIALS:  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED  
INSULATION INSERT: PA66, UL94/V-0  
CONTACT: BRASS, GOLD FLASH PLATED  
SEAL AND O-RING: NBR (NITRILE BUTADIENE RUBBER)
- 5) ELECTRICAL DATA:
  - a) CURRENT (MAX): 7.5A
  - b) VOLTAGE (MAX): 250V AC/DC
  - c) INSULATION RESISTANCE (MIN): 5000M OHMS
  - d) TEST VOLTAGE (BETWEEN CONTACTS): 1500V

- 6) TECHNICAL DATA:
  - a) TEMPERATURE RANGE:  $-40^{\circ}\text{C}$  TO  $105^{\circ}\text{C}$
  - b) PROTECTION: IP67 (MATED CONDITION)
  - c) MATING CYCLES:  $>500$
  - d) VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204
  - e) THERMAL SHOCK PER MIL-STD-202 METHOD 207
  - f) 48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101
- 7) RoHS COMPLIANT

| REVISIONS |     |                                   |         |     |      |
|-----------|-----|-----------------------------------|---------|-----|------|
| REV       | ECO | DESCRIPTION                       | DATE    | BY  | APPR |
| 01        | —   | CUSTOMER DRAWING                  | —       | —   | —    |
| 02        | —   | CHANGED VOLTAGE FROM 150V TO 250V | 19JAN22 | MRF | DR   |

ILLUSTRATION: COMPLETE KIT



|          |              |                          |      |
|----------|--------------|--------------------------|------|
| 26       | MS20W23F     | CONTACT, SOCKET, SIZE 20 | 2    |
| 1        | RT0W71626SNH | CONNECTOR                | 1    |
| QUANTITY | PART NUMBER  | DESCRIPTION              | ITEM |

| SPECIFICATION LIST                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                             |  |                                                                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|--|
| <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      Fractions ±1/64<br>2 PL DEC ±0.15      Angles ±1°<br>3 PL DEC ±0.08<br>3) Note reference =  |  | <b>SIGNATURES</b><br>DRAWN: MRF<br>CHECKED:<br>ENGINEER:<br>APPROVAL:<br>CUSTOMER:                                                                                                                                                                                          |  | <b>DATE</b><br>10SEP13                                                                                      |  |
| <b>MATERIAL SPECIFICATIONS:</b>                                                                                                                                                                                                                                                                                    |  | <b>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.</b> |  | <b>Amphenol</b><br>Sine Systems - www.amphenol-sine.com<br>44724 Morley Drive<br>Clinton Township, MI 48036 |  |
| <b>PROCESS SPECIFICATIONS:</b>                                                                                                                                                                                                                                                                                     |  | <b>SIZE</b><br>B C-                                                                                                                                                                                                                                                         |  | <b>DWG NO:</b><br>RT0W71626SNH-K                                                                            |  |
| <b>NEXT ASS'Y:</b>                                                                                                                                                                                                                                                                                                 |  | <b>SCALE:</b><br>NONE                                                                                                                                                                                                                                                       |  | <b>REVISION</b><br>02                                                                                       |  |
|                                                                                                                                                                                                                                                                                                                    |  | <b>SHEET</b> 1 <b>OF</b> 1                                                                                                                                                                                                                                                  |  |                                                                                                             |  |

|        |  |
|--------|--|
| TITLE: |  |
|--------|--|

KIT, ECD-MATE

DWG NO:

REV:02

|       |
|-------|
| SH: 1 |
|-------|

|     |   |
|-----|---|
| DF: | 1 |
|-----|---|

ecomate® RM/RSSM/Aquarius™ - Contact Size 20 Options

| Machined, Crimp Contacts |            |                    |                  |            |
|--------------------------|------------|--------------------|------------------|------------|
| Part Number              |            | Contact Size (AWG) | Wire Range (mm²) | Plating    |
| Male                     | Female     |                    |                  |            |
| MP20W23F                 | MS20W23F   | 22-20AWG           | 0.34-0.50 mm²    | Gold Flash |
| MP20W23G5                | MS20W23G5  | 22-20AWG           | 0.34-0.50 mm²    | Gold 5µ"   |
| MP20W23G10               | MS20W23G10 | 22-20AWG           | 0.34-0.50 mm²    | Gold 10µ"  |
| MP20W23G15               | MS20W23G15 | 22-20AWG           | 0.34-0.50 mm²    | Gold 15µ"  |
| MP20W23G30               | MS20W23G30 | 22-20AWG           | 0.34-0.50 mm²    | Gold 30µ"  |
| MP24W23F                 | MS24W23F   | 26-24AWG           | 0.14-0.25 mm²    | Gold Flash |
| MP24W23G5                | MS24W23G5  | 26-24AWG           | 0.14-0.25 mm²    | Gold 5µ"   |
| MP24W23G10               | MS24W23G10 | 26-24AWG           | 0.14-0.25 mm²    | Gold 10µ"  |
| MP24W23G15               | MS24W23G15 | 26-24AWG           | 0.14-0.25 mm²    | Gold 15µ"  |
| MP24W23G30               | MS24W23G30 | 26-24AWG           | 0.14-0.25 mm²    | Gold 30µ"  |
| MP28W23F                 | MS28W23F   | 30-28AWG           | 0.05-0.08 mm²    | Gold Flash |
| MP28W23G5                | MS28W23G5  | 30-28AWG           | 0.05-0.08 mm²    | Gold 5µ"   |
| MP28W23G10               | MS28W23G10 | 30-28AWG           | 0.05-0.08 mm²    | Gold 10µ"  |
| MP28W23G15               | MS28W23G15 | 30-28AWG           | 0.05-0.08 mm²    | Gold 15µ"  |
| MP28W23G30               | MS28W23G30 | 30-28AWG           | 0.05-0.08 mm²    | Gold 30µ"  |

| Machined, Tooling |                                              |
|-------------------|----------------------------------------------|
| Part Number       | Description                                  |
| QXRT20            | Contact Extraction Tool, #20 (Ø 1.0) Contact |
| MX-3959           | Hand Crimp Tool for Machined Contacts        |
| MX-3960           | Pneumatic Crimp Tool for Machined Contact    |

| Plating Options, All |                                            |
|----------------------|--------------------------------------------|
| Symbol               | Plating                                    |
| T                    | Tin Plated (for Stamped & Formed Contacts) |
| S                    | Silver Plated 5Um (for Machined Contacts)  |
| F                    | Gold Plated                                |
| G5                   | Gold Plated (Thickness 5µ")                |
| G10                  | Gold Plated (Thickness 10µ")               |
| G15                  | Gold Plated (Thickness 15µ")               |
| G30                  | Gold Plated (Thickness 30µ")               |

| Stamped & Formed , Crimp Contacts |           |                    |                  |            |
|-----------------------------------|-----------|--------------------|------------------|------------|
| Part Number                       |           | Contact Size (AWG) | Wire Range (mm²) | Plating    |
| Male                              | Female    |                    |                  |            |
| SP20W2F                           | SS20W2F   | 22-20AWG           | 0.34-0.50 mm²    | Gold Flash |
| SP20W2G5                          | SS20W2G5  | 22-20AWG           | 0.34-0.50 mm²    | Gold 5µ"   |
| SP20W2G10                         | SS20W2G10 | 22-20AWG           | 0.34-0.50 mm²    | Gold 10µ"  |
| SP20W2G15                         | SS20W2G15 | 22-20AWG           | 0.34-0.50 mm²    | Gold 15µ"  |
| SP20W2G30                         | SS20W2G30 | 22-20AWG           | 0.34-0.50 mm²    | Gold 30µ"  |
| SP24W2F                           | SS24W2F   | 26-24AWG           | 0.14-0.25 mm²    | Gold Flash |
| SP24W2G5                          | SS24W2G5  | 26-24AWG           | 0.14-0.25 mm²    | Gold 5µ"   |
| SP24W2G10                         | SS24W2G10 | 26-24AWG           | 0.14-0.25 mm²    | Gold 10µ"  |
| SP24W2G15                         | SS24W2G15 | 26-24AWG           | 0.14-0.25 mm²    | Gold 15µ"  |
| SP24W2G30                         | SS24W2G30 | 26-24AWG           | 0.14-0.25 mm²    | Gold 30µ"  |
| SP28W2F                           | SS28W2F   | 30-28AWG           | 0.05-0.08 mm²    | Gold Flash |
| SP28W2G5                          | SS28W2G5  | 30-28AWG           | 0.05-0.08 mm²    | Gold 5µ"   |
| SP28W2G10                         | SS28W2G10 | 30-28AWG           | 0.05-0.08 mm²    | Gold 10µ"  |
| SP28W2G15                         | SS28W2G15 | 30-28AWG           | 0.05-0.08 mm²    | Gold 15µ"  |
| SP28W2G30                         | SS28W2G30 | 30-28AWG           | 0.05-0.08 mm²    | Gold 30µ"  |

| Stamped & Formed, Tooling |                                                        |
|---------------------------|--------------------------------------------------------|
| Part Number               | Description                                            |
| QXRT20                    | Contact Extraction Tool, #20 (Ø 1.0) Contact           |
| MX-3958                   | Hand Tool, Stamped & Formed Contact, Size 20, 20-28AWG |
| MX-3957                   | Crimp Die for Stamped & Formed Contact                 |

| Misc Tooling, All |                            |
|-------------------|----------------------------|
| Part Number       | Description                |
| CA-4020-59        | Sealing Plug, Size 16 & 20 |

| Standard Quantity Order Options |                          |
|---------------------------------|--------------------------|
| Machined                        | Bulk Package, 500 Pieces |
| Stamped & Formed                | Reel, 3000 Pieces        |