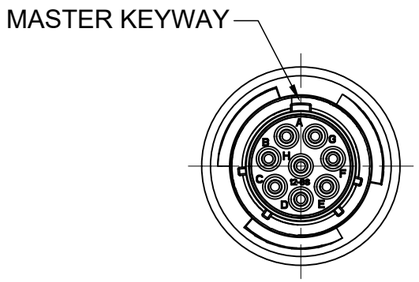
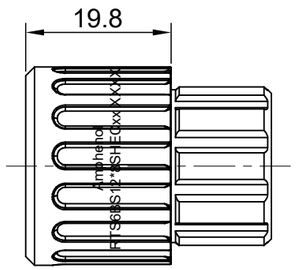
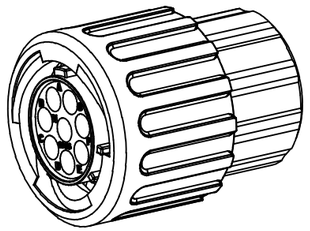
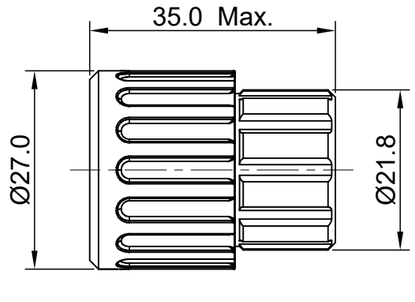
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | -- | FIRST RELEASED | Jun.15,2016 | Drack | Tommy |
| A2 | -- | UPDATE NOTES | Jun-21-2017 | Nick | Tommy |
| A3 | -- | UPDATE DRAWING | Mar-19-2018 | White | Tommy |

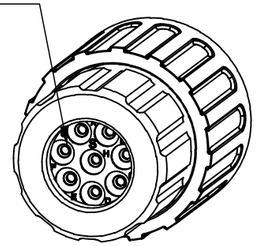





SEALING PLUGS CAN BE
PURCHASED SEPARATELY



| KEY | PART NUMBER | |
|---|---|---|
| | -40°C ~ 105°C | -40°C ~ 125°C |
| N | RTS6BS12N8SHEC | RTS6BS12N8SHEC03 |

NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :
   - SHELL : THERMOPLASTIC , UL94 V-0.
   - INSERT : THERMOPLASTIC , UL94 V-0.
   - COUPLING NUT : THERMOPLASTIC , UL94 V-0.
   - O-RING : NBR OR SILICONE RUBBER.
   - WASHER : SILICONE RUBBER.
   - END CAP : THERMOPLASTIC , UL94 V-0.
   - PLASTIC RING: THERMOPLASTIC , UL94 V-0.
   - WIRE SEAL : SILICONE RUBBER.
2. SPECIFICATIONS :
   - 2.1, RATED CURRENT : 13A (MAX).
   - 2.2, RATED VOLTAGE : 500V(AC/DC).
   - 2.3, OPERATING TEMPERATURE : SEE TABLE.
   - 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 AND IP69K IN THE MATED CONDITION, WIRE SEALS FULLY POPULATED.
   - 2.7, MATING CYCLES DURABILITY : 500 CYCLES MIN.
   - 2.8, RoHS COMPLIANT.
3. SUITABLE CONTACTS : 16# CONTACTS.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
|---|---|---|---|

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | White | Mar-19-2018 |
| CHECKED: | Tod | Mar-19-2018 |
| ENGINEER: | | |
| APPROVAL: | Tommy | Mar-19-2018 |
| CUSTOMER: | | |

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Amphenol
Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

ECO-MATE,PLUG,END CAP,
8POS,SOCKET CONTACT,SIZE 12

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | RTS6BS12*8SHECxx | A3 |

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE,PLUG,END CAP,8POS,SOCKET CONTACT,SIZE 12
DWG NO: RTS6BS12*8SHECxx
REV: A3
SH: 1
OF: 1

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# **ecomate® RM/RSSM/Aquarius™** - Contact Size 16 Options

| Crimp Contacts, Machined | | | | |
|---|---|---|---|---|
| Part Number | | AWG | Wire Range (mm²) | Plating |
| Male | Female | | | |
| MP14M23F | MS14M23F | 14 | 2.0-2.5 | Gold Flash |
| MP14M23G5 | MS14M23G5 | 14 | 2.0-2.5 | Gold 5µ" |
| MP14M23G10 | MS14M23G10 | 14 | 2.0-2.5 | Gold 10µ" |
| MP14M23G15 | MS14M23G15 | 14 | 2.0-2.5 | Gold 15µ" |
| MP14M23G30 | MS14M23G30 | 14 | 2.0-2.5 | Gold 30µ" |
| MP16M23F | MS16M23F | 18-16 | 0.75-1.5 | Gold Flash |
| MP16M23G5 | MS16M23G5 | 18-16 | 0.75-1.5 | Gold 5µ" |
| MP16M23G10 | MS16M23G10 | 18-16 | 0.75-1.5 | Gold 10µ" |
| MP16M23G15 | MS16M23G15 | 18-16 | 0.75-1.5 | Gold 15µ" |
| MP16M23G30 | MS16M23G30 | 18-16 | 0.75-1.5 | Gold 30µ" |
| MP20M23F | MS20M23F | 22-20 | 0.34-0.50 | Gold Flash |
| MP20M23G5 | MS20M23G5 | 22-20 | 0.34-0.50 | Gold 5µ" |
| MP20M23G10 | MS20M23G10 | 22-20 | 0.34-0.50 | Gold 10µ" |
| MP20M23G15 | MS20M23G15 | 22-20 | 0.34-0.50 | Gold 15µ" |
| MP20M23G30 | MS20M23G30 | 22-20 | 0.34-0.50 | Gold 30µ" |
| MP24M23F | MS24M23F | 26-24 | 0.14-0.25 | Gold Flash |
| MP24M23G5 | MS24M23G5 | 26-24 | 0.14-0.25 | Gold 5µ" |
| MP24M23G10 | MS24M23G10 | 26-24 | 0.14-0.25 | Gold 10µ" |
| MP24M23G15 | MS24M23G15 | 26-24 | 0.14-0.25 | Gold 15µ" |
| MP24M23G30 | MS24M23G30 | 26-24 | 0.14-.025 | Gold 30µ" |

| Crimp Contacts, Stamped & Formed | | | | |
|---|---|---|---|---|
| Part Number | | AWG | Wire Range (mm²) | Plating |
| Male | Female | | | |
| SP14M2F | SS14M2F | 14 | 2.0-2.5 | Gold Flash |
| SP14M2G5 | SS14M2G5 | 14 | 2.0-2.5 | Gold 5µ" |
| SP14M2G10 | SS14M2G10 | 14 | 2.0-2.5 | Gold 10µ" |
| SP14M2G15 | SS14M2G15 | 14 | 2.0-2.5 | Gold 15µ" |
| SP14M2G30 | SS14M2G30 | 14 | 2.0-2.5 | Gold 30µ" |
| SP16M2F | SS16M2F | 18-16 | 0.75-1.5 | Gold Flash |
| SP16M2G5 | SS16M2G5 | 18-16 | 0.75-1.5 | Gold 5µ" |
| SP16M2G10 | SS16M2G10 | 18-16 | 0.75-1.5 | Gold 10µ" |
| SP16M2G15 | SS16M2G15 | 18-16 | 0.75-1.5 | Gold 15µ" |
| SP16M2G30 | SS16M2G30 | 18-16 | 0.75-1.5 | Gold 30µ" |
| SP20M2F | SS20M2F | 22-20 | 0.34-0.50 | Gold Flash |
| SP20M2G5 | SS20M2G5 | 22-20 | 0.34-0.50 | Gold 5µ" |
| SP20M2G10 | SS20M2G10 | 22-20 | 0.34-0.50 | Gold 10µ" |
| SP20M2G15 | SS20M2G15 | 22-20 | 0.34-0.50 | Gold 15µ" |
| SP20M2G30 | SS20M2G30 | 22-20 | 0.34-0.50 | Gold 30µ" |
| SP24M2F | SS24M2F | 26-24 | 0.14-0.25 | Gold Flash |
| SP24M2G5 | SS24M2G5 | 26-24 | 0.14-0.25 | Gold 5µ" |
| SP24M2G10 | SS24M2G10 | 26-24 | 0.14-0.25 | Gold 10µ" |
| SP24M2G15 | SS24M2G15 | 26-24 | 0.14-0.25 | Gold 15µ" |
| SP24M2G30 | SS24M2G30 | 26-24 | 0.14-0.25 | Gold 30µ" |

| Tooling, Machined | |
|---|---|
| Part Number | Description |
| QXRT16 | Contact Extraction Tool, #16 (Ø 1.6) Contact |
| MFX-3959 | Hand Crimp Tool for Machined Contacts |
| MFX-3960 | Pneumatic Crimp Tool for Machined Contact |

| Tooling, Stamped & Formed | |
|---|---|
| Part Number | Description |
| QXRT16 | Contact Extraction Tool, #16 (Ø 1.6) Contact |
| MFX-3954 | Hand Tool, Stamped & Formed Contact, Size 16, 20-14AWG |
| MFX-3957 | Crimp Die, Stamped & Formed 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") |

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

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



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