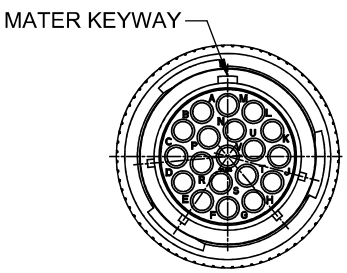
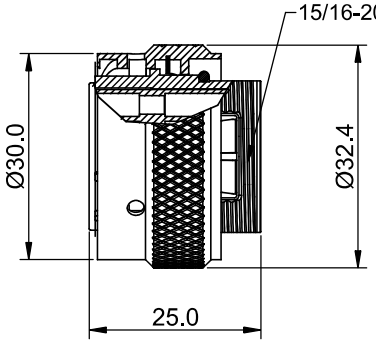
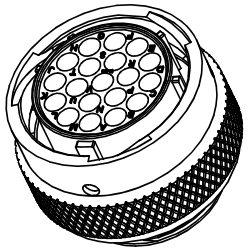
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	JAN-18-2014	ARROW	TOMMY







NOTES : (UNLESS OTHERWISE SPECIFIED)

1. **MATERIAL :**
   - **SHELL : ZINC ALLOY , NICKEL PLATED.**
   - **INSERT : THERMOPLASTIC , UL94 V-0.**
   - **COUPLING NUT : AL ALLOY , NICKEL PLATED.**
   - **WAVE WASHER : STAINLESS STEEL.**
   - **O-RING : NBR.**
2. **SPECIFICATIONS :**
   - **2.1 RATED CURRENT : 13A (MAX).**
   - **2.2 RATED VOLTAGE : 300V (AC/DC).**
   - **2.3 OPERATING TEMPERATURE : -40°C ~ +105°C.**
   - **2.4 DIELECTRIC WITHSTANDING VOLTAGE : LESS THAN** 2 MILLIAMPS CURRENT LEAKAGE@2000 VOLTS AC.
   - **2.5 INSULATION RESISTANCE : 5000 MEGOHMS MIN.**
   - **3.6 IP--CLASS : IP67.**
   - **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.

KEY POS	PART NUMBER
N	RT061619SNH
W	RT061619SWH
X	RT061619SXH
Y	RT061619SYH
Z	RT061619SZH

	SEE PART NUMBER CHART		
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:	ARROW	JAN-17-2014
CHECKED:		
ENGINEER:		
APPROVAL:		
CUSTOMER:		

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

ECO-MATE,PLUG, SIZE 16,
19POS, SOCKET.

SIZE	TYPE	DWG NO:	REVISION
B	C-	RT061619S*H	B1

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE,PLUG, SIZE 16,19POS, SOCKET.
DWG NO: RT061619S*H
REV: B1
SH: 1
OF: 1

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ecomate® RM, RSSM and Aquarius™ Series

Size 16 Contact & Tooling Options

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

Stamped & Formed , Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
SP14M2F	SS14M2F	14AWG	2.0-2.5mm²	Gold Flash
SP14M2G5	SS14M2G5	14AWG	2.0-2.5mm²	Gold 5µ"
SP14M2G10	SS14M2G10	14AWG	2.0-2.5mm²	Gold 10µ"
SP14M2G15	SS14M2G15	14AWG	2.0-2.5mm²	Gold 15µ"
SP14M2G30	SS14M2G30	14AWG	2.0-2.5mm²	Gold 30µ"
SP16M2F	SS16M2F	16-18AWG	0.75-1.5mm²	Gold Flash
SP16M2G5	SS16M2G5	16-18AWG	0.75-1.5mm²	Gold 5µ"
SP16M2G10	SS16M2G10	16-18AWG	0.75-1.5mm²	Gold 10µ"
SP16M2G15	SS16M2G15	16-18AWG	0.75-1.5mm²	Gold 15µ"
SP16M2G30	SS16M2G30	16-18AWG	0.75-1.5mm²	Gold 30µ"
SP20M2F	SS20M2F	20-22AWG	0.34-0.50mm²	Gold Flash
SP20M2G5	SS20M2G5	20-22AWG	0.34-0.50mm²	Gold 5µ"
SP20M2G10	SS20M2G10	20-22AWG	0.34-0.50mm²	Gold 10µ"
SP20M2G15	SS20M2G15	20-22AWG	0.34-0.50mm²	Gold 15µ"
SP20M2G30	SS20M2G30	20-22AWG	0.34-0.50mm²	Gold 30µ"
SP24M2F	SS24M2F	24-26AWG	0.14-0.25mm²	Gold Flash
SP24M2G5	SS24M2G5	24-26AWG	0.14-0.25mm²	Gold 5µ"
SP24M2G10	SS24M2G10	24-26AWG	0.14-0.25mm²	Gold 10µ"
SP24M2G15	SS24M2G15	24-26AWG	0.14-0.25mm²	Gold 15µ"
SP24M2G30	SS24M2G30	24-26AWG	0.14-.025mm²	Gold 30µ"

Machined, Tooling	
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

Stamped & Formed, Tooling	
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	Bulk Package, 500 Pieces
Stamped & Formed	Reel, 3000 Pieces

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