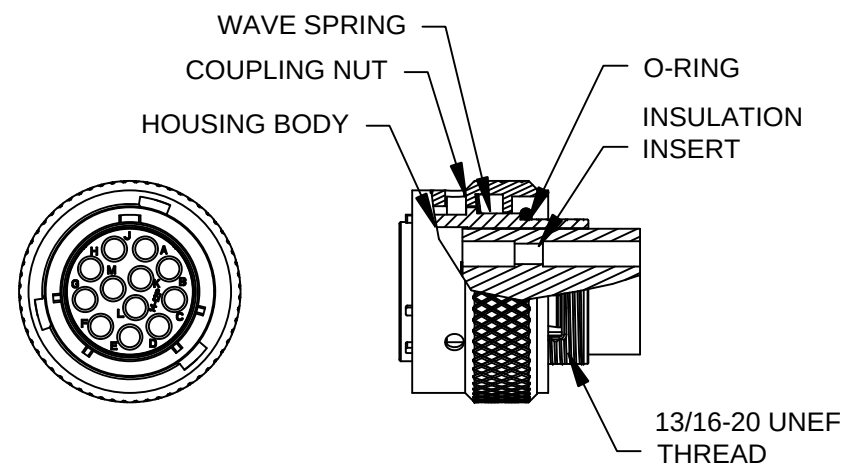
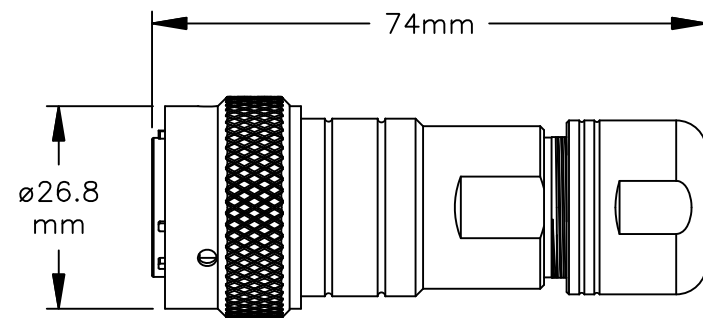


REVISIONS					
REV	ECD	DESCRIPTION	DATE	BY	APPR
01	-	RELEASE NEW DWG FORMAT	-	-	-



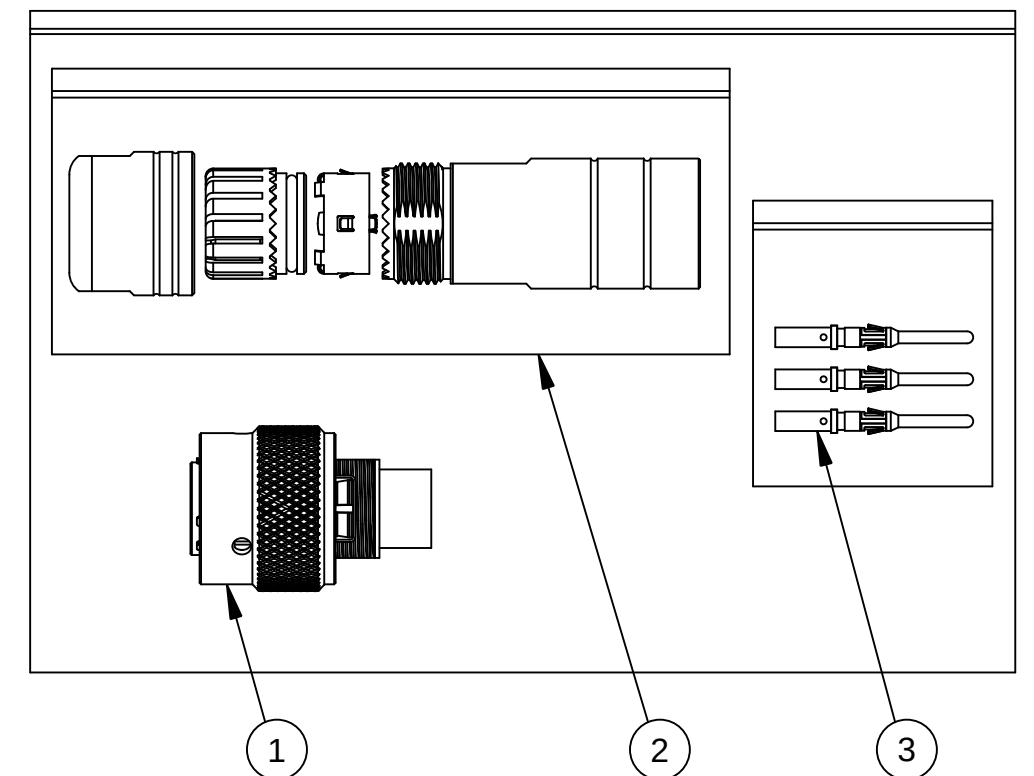
NOTES:

- 1) CORD GRIP RANGE: 3mm TO 6.5mm
- 2) CONTACT BARREL RANGE: 16AWG TO 18AWG
- 3) RECOMMENDED CRIMP TOOLS:
 - HAND CRIMPER: MFX-3959
 - PNEUMATIC CRIMPER: MFX-3960
- 4) EXTRACTION TOOL: QXRT16
- 5) MATERIALS:
 - HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
 - COUPLING NUT: ALUMINUM ALLOY, NICKEL PLATED
 - WAVE SPRING: STAINLESS STEEL
 - INSULATION INSERT: PA66, UL94/V-0
 - CONTACT: BRASS, GOLD FLASH PLATED
 - SEAL AND O-RING: NBR (NITRILE BUTADIENE RUBBER)
- 6) ELECTRICAL DATA:
 - a) CURRENT (MAX): 13A
 - b) VOLTAGE (MAX): 250V AC/DC
 - c) INSULATION RESISTANCE (MIN): 5000M OHMS
 - d) TEST VOLTAGE (BETWEEN CONTACTS): 3050V

- 7) TECHNICAL DATA:
- a) TEMPERATURE RANGE: -40°C TO 105°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

8) RoHS COMPLIANT

ILLUSTRATION: COMPLETE KIT



12	MP16M23F	CONTACT, PIN, SIZE 16	3
1	RT0L-14CG-S1	CORD GRIP	2
1	RT061412PNH	CONNECTOR	1
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 2 PL DEC ±0.15 3 PL DEC ±0.08 Fractions ±1/64 Angles ±1° 3) Note reference = 		SIGNATURES DRAWN: MRF CHECKED: ENGINEER: APPROVAL: CUSTOMER:	DATE 10SEP13
MATERIAL SPECIFICATIONS:		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
PROCESS SPECIFICATIONS:		KIT, ECO-MATE	
NEXT ASSY:		SIZE B	TYPE C-
		DWG NO: RT061412PNH-K	REVISION 01
		SCALE NONE	SHEET 1 OF 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 16 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	18-16AWG	0.75-1.5mm²	Gold Flash
MP16M23G5	MS16M23G5	18-16AWG	0.75-1.5mm²	Gold 5µ"
MP16M23G10	MS16M23G10	18-16AWG	0.75-1.5mm²	Gold 10µ"
MP16M23G15	MS16M23G15	18-16AWG	0.75-1.5mm²	Gold 15µ"
MP16M23G30	MS16M23G30	18-16AWG	0.75-1.5mm²	Gold 30µ"
MP20M23F	MS20M23F	22-20AWG	0.34-0.50mm²	Gold Flash
MP20M23G5	MS20M23G5	22-20AWG	0.34-0.50mm²	Gold 5µ"
MP20M23G10	MS20M23G10	22-20AWG	0.34-0.50mm²	Gold 10µ"
MP20M23G15	MS20M23G15	22-20AWG	0.34-0.50mm²	Gold 15µ"
MP20M23G30	MS20M23G30	22-20AWG	0.34-0.50mm²	Gold 30µ"
MP24M23F	MS24M23F	26-24AWG	0.14-0.25mm²	Gold Flash
MP24M23G5	MS24M23G5	26-24AWG	0.14-0.25mm²	Gold 5µ"
MP24M23G10	MS24M23G10	26-24AWG	0.14-0.25mm²	Gold 10µ"
MP24M23G15	MS24M23G15	26-24AWG	0.14-0.25mm²	Gold 15µ"
MP24M23G30	MS24M23G30	26-24AWG	0.14-.025mm²	Gold 30µ"

Machined, Tooling	
Part Number	Description
QXRT16	Contact Extraction Tool, #16 (Ø 1.6) Contact
MFY-3959	Hand Crimp Tool for Machined Contacts
MFY-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			
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	18-16AWG	0.75-1.5mm²	Gold Flash
SP16M2G5	SS16M2G5	18-16AWG	0.75-1.5mm²	Gold 5µ"
SP16M2G10	SS16M2G10	18-16AWG	0.75-1.5mm²	Gold 10µ"
SP16M2G15	SS16M2G15	18-16AWG	0.75-1.5mm²	Gold 15µ"
SP16M2G30	SS16M2G30	18-16AWG	0.75-1.5mm²	Gold 30µ"
SP20M2F	SS20M2F	22-20AWG	0.34-0.50mm²	Gold Flash
SP20M2G5	SS20M2G5	22-20AWG	0.34-0.50mm²	Gold 5µ"
SP20M2G10	SS20M2G10	22-20AWG	0.34-0.50mm²	Gold 10µ"
SP20M2G15	SS20M2G15	22-20AWG	0.34-0.50mm²	Gold 15µ"
SP20M2G30	SS20M2G30	22-20AWG	0.34-0.50mm²	Gold 30µ"
SP24M2F	SS24M2F	26-24AWG	0.14-0.25mm²	Gold Flash
SP24M2G5	SS24M2G5	26-24AWG	0.14-0.25mm²	Gold 5µ"
SP24M2G10	SS24M2G10	26-24AWG	0.14-0.25mm²	Gold 10µ"
SP24M2G15	SS24M2G15	26-24AWG	0.14-0.25mm²	Gold 15µ"
SP24M2G30	SS24M2G30	26-24AWG	0.14-.025mm²	Gold 30µ"

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