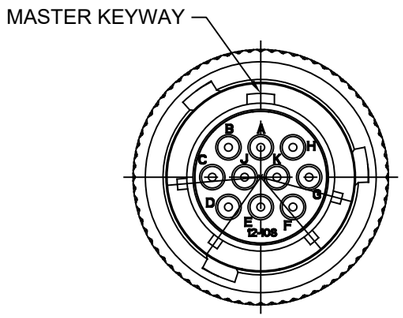
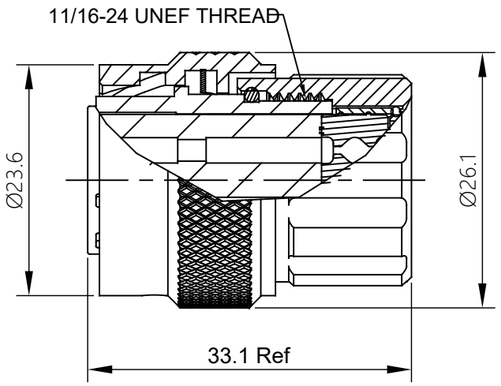
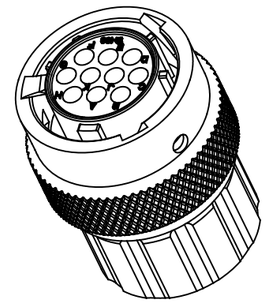
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	Jun-18-19	Flan	Tommy
A2	-	TECHNICAL REQUIREMENT CHANGE	Jul-09-19	Ronlad	Tommy







NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
   SHELL: ZINC ALLOY, NICKEL PLATED.
   INSERT: THERMOPLASTIC, UL94 V-0.
   END CAP: THERMOPLASTIC, UL94 V-0.
   COUPLING NUT: AL ALLOY, NICKEL PLATED.
   WAVE WASHER: STAINLESS STEEL.
   O-RING: NBR/SILICONE RUBBER.
   WIRE SEAL: SILICONE RUBBER.
   PLASTIC BUSHING: THERMOPLASTIC, UL94 V-0.
2. SPECIFICATIONS:
   2.1 RATED CURRENT:
      2.1.1 STAMPED CONTACT 5A (MAX).
      2.1.2 MACHINED CONTACT 7.5A(MAX).
   2.2 RATED VOLTAGE: 250V (AC/DC).
   2.3 OPERATING TEMPERATURE: SEE CHART.
   2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN
      2 MILLIAMPS CURRENT LEAKAGE@1500 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 : 20# CONTACTS (CAN'T USE 3 CLIPS).
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.	WIRE RANGE
20#	Ø1.2mm	Ø1.6mm	20 - 30AWG

KEY POS	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RT0W61210SNHECR	RT0W61210SNHEC03R
W	RT0W61210SWHECR	RT0W61210SWHEC03R
X	RT0W61210SXHECR	RT0W61210SXHEC03R
Y	RT0W61210SYHECR	RT0W61210SYHEC03R
Z	RT0W61210SZHECR	RT0W61210SZHEC03R

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
	~~SEE PART NUMBER CHART~~		

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:	Ronald	Jul-08-19
CHECKED:	Martin	Jul-08-19
ENGINEER:		
APPROVAL:	Tommy	Jul-08-19
CUSTOMER:		

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Amphenol

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

ECO-MATE,PLUG,
SIZE 12,10POS,SOCKET,END CAP.

SIZE	TYPE	DWG NO:	REVISION
B	C-	RT0W61210S*HEC*R	A2

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE,PLUG,SIZE 12,10POS,SOCKET,END CAP.
DWG NO: RT0W61210S*HEC*R
REV: A2
SH: 1
OF: 1

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ecomate® RM, RSSM and Aquarius™ Series

Size 20 Contact & Tooling Options

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

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

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

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