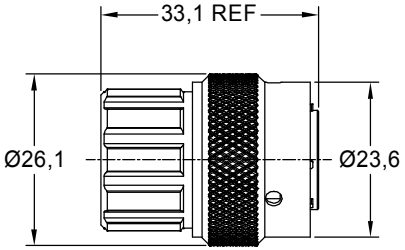
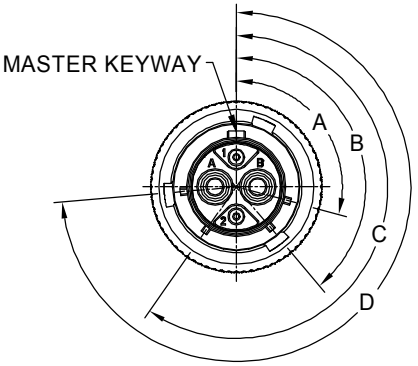
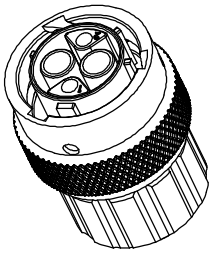
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	JUN-28-2014	BEN	TOMMY
B2	-	Update specifications	Jun-14-18	Flan	Tommy
B3	-	Update wire range	Oct-21-20	Blink	Tommy
B4	-	VOLTAGE UPDATE AND ADD KEY ICON	Nov-28-20	Ronald	Tommy







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 2.5mm CONTACT 23A (MAX).
      2.1.2 20# CONTACT 5A (MAX).
   2.2 RATED VOLTAGE : 500V AC/DC
   2.3 OPERATING TEMPERATURE : SEE CHART.
   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 (MATED CONDITION).
   2.7 MATING CYCLES DURABILITY : 500 CYCLES(MIN).
   2.8 RoHS COMPLIANT.
3. SUITABLE CONTACTS : 2.5mm & 20# CONTACTS.
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
2.5mm	Ø2.7mm	Ø4.3mm	14 - 12AWG
B3 20#	Ø1.2mm	Ø2.6mm	30 - 20AWG

KEY POS	PART NUMBER		A	B	C	D
	-40°C ~ 105°C	-40°C ~ 125°C				
N	RT06122SNHEC	RT06122SNHEC03	105°	140°	215°	265°
W	RT06122SWHEC	RT06122SWHEC03	60°	140°	215°	265°
X	RT06122SXHEC	RT06122SXHEC03	105°	155°	215°	265°
Y	RT06122SYHEC	RT06122SYHEC03	105°	140°	225°	265°
Z	RT06122SZHEC	RT06122SZHEC03	105°	140°	215°	295°

	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 ASSY:

SIGNATURES		DATE
DRAWN:	Ronald	Nov-28-20
CHECKED:	Flan	Nov-29-20
ENGINEER:		
APPROVAL:	Tommy	Nov-30-20
CUSTOMER:		

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Amphenol

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

ECOMATE RM,PLUG,
SIZE 12,2POS,SOCKET,END CAP.

SIZE	TYPE	DWG NO:	REVISION
B	C-	RT06122S*HECx	B4

SCALE: NONE SHEET 1 OF 1

TITLE: ECOMATE RM,PLUG, SIZE 12,2POS,SOCKET,END CAP.
DWG NO: RT06122S*HECx
REV: B4
SH: 1
OF: 1

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

Crimp Contacts, Machined				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
MP20W23F	MS20W23F	22-20	0.34-0.50	Gold Flash
MP20W23G5	MS20W23G5	22-20	0.34-0.50	Gold 5µ"
MP20W23G10	MS20W23G10	22-20	0.34-0.50	Gold 10µ"
MP20W23G15	MS20W23G15	22-20	0.34-0.50	Gold 15µ"
MP20W23G30	MS20W23G30	22-20	0.34-0.50	Gold 30µ"
MP24W23F	MS24W23F	26-24	0.13-0.25	Gold Flash
MP24W23G5	MS24W23G5	26-24	0.13-0.25	Gold 5µ"
MP24W23G10	MS24W23G10	26-24	0.13-0.25	Gold 10µ"
MP24W23G15	MS24W23G15	26-24	0.13-0.25	Gold 15µ"
MP24W23G30	MS24W23G30	26-24	0.13-0.25	Gold 30µ"
MP28W23F	MS28W23F	30-28	0.05-0.08	Gold Flash
MP28W23G5	MS28W23G5	30-28	0.05-0.08	Gold 5µ"
MP28W23G10	MS28W23G10	30-28	0.05-0.08	Gold 10µ"
MP28W23G15	MS28W23G15	30-28	0.05-0.08	Gold 15µ"
MP28W23G30	MS28W23G30	30-28	0.05-0.08	Gold 30µ"

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

Tooling, Machined	
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

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

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ecomate® RM/RSSM/Aquarius™ - Contact Size 12 Options

Crimp Contacts, Machined				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
N/A				

Crimp Contacts, Stamped & Formed				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
SP12A1T	SS12A1T	14-12	2.5-3.5	Tin

Tooling, Machined	
Part Number	Description
N/A	N/A
N/A	N/A

Tooling, Stamped & Formed	
Part Number	Description
QXRT12S	Contact Extraction Tool, 2.5mm Contact
MFX-3962	Hand Tool, Stamped & Formed Contact, 2.5mm Contact

Plating Options, All	
Symbol	Plating
N/A	N/A

Misc Tooling, All	
Part Number	Description
CA-4012-59	Sealing Plug, Size 12

Standard Quantity Order Options	
Machined	Stamped & Formed
N/A	Reel, 1000 Pieces

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