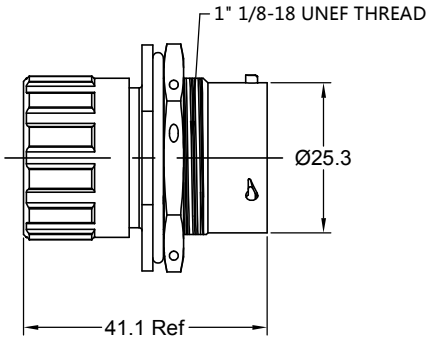
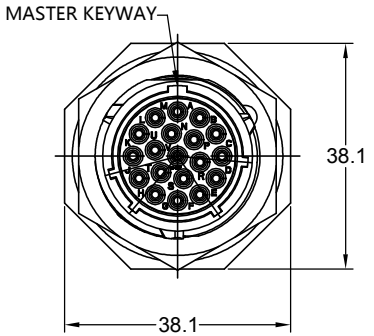
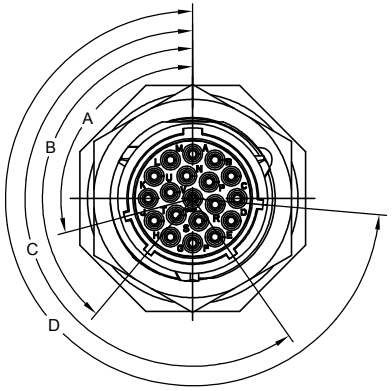
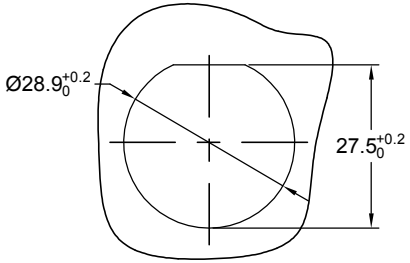
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	Nov-16-18	Blink	TOMMY
A2	-	UPDATE DESCRIPTION AND ADD KEY ICON	Oct-12-20	Blink	Tommy







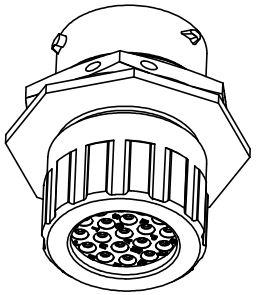


PANEL CUT OUT REFERENCE

NOTES : (UNLESS OTHERWISE SPECIFIED)
1. MATERIAL :
   SHELL : ZINC ALLOY , NICKEL PLATED.
   INSERT : THERMOPLASTIC , UL94 V-0.
   END CAP : THERMOPLASTIC , UL94 V-0.
   PLASTIC BUSHING : THERMOPLASTIC , UL94 V-0.
   NUTS : AL ALLOY NICKEL PLATED.
   SEAL GASKET : NBR/SILICONE RUBBER.
   O-RING : NBR/SILICONE RUBBER.
   WIRE SEAL : SILICONE RUBBER.
2. SPECIFICATIONS :
   2.1 RATED CURRENT : 13A (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 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.
5. CONTACT SIZE AND REAR SEAL WIRE RANGE:

Contact Size	Insulation Overall Diameter(min-max)	Wire Range
16#	ϕ1.2mm - ϕ2.1mm	14 - 24AWG

KEY POS	PART NUMBER		A	B	C	D
	-40°C ~ 105°C	-40°C ~ 125°C				
N	RT071619PNHECR	RT071619PNHEC03R	105°	140°	215°	265°
W	RT071619PWHECR	RT071619PWHEC03R	30°	140°	215°	265°
X	RT071619PXHECR	RT071619PXHEC03R	105°	165°	215°	265°
Y	RT071619PYHECR	RT071619PYHEC03R	105°	140°	225°	265°
Z	RT071619PZHECR	RT071619PZHEC03R	105°	140°	215°	315°



	SEE PART NUMBER CHART		
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerance 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:	Blink	Oct-12-20
CHECKED:	Flan	Oct-14-20
ENGINEER:		
APPROVAL:	Tommy	Oct-16-20
CUSTOMER:		

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

ECO-MATE RM,RECEPTACLE,JAM NUT,SIZE 16, 19POS, PIN, END CAP,REDUCED WIRE SEALS

SIZE	TYPE	DWG NO:	REVISION
B	C-	RT071619P*HECxxR	A2

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE RM,RECEPTACLE,SIZE 16,19POS, PIN,END CAP,REDUCED WIRE SEALS
DWG NO: RT071619P*HECxxR
REV: A2
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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