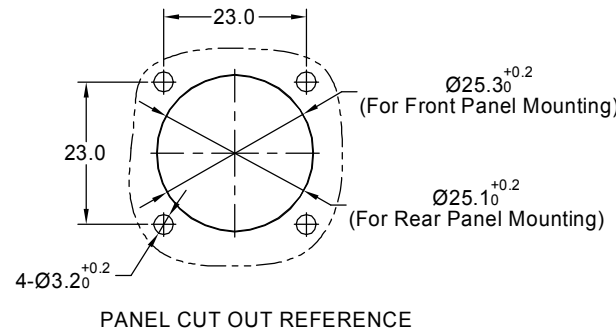
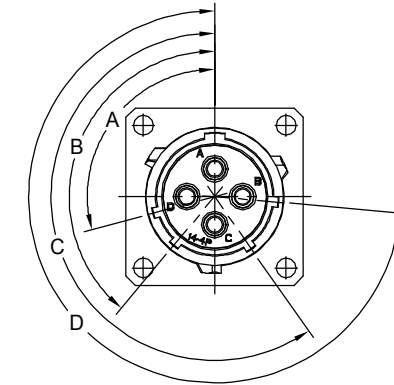
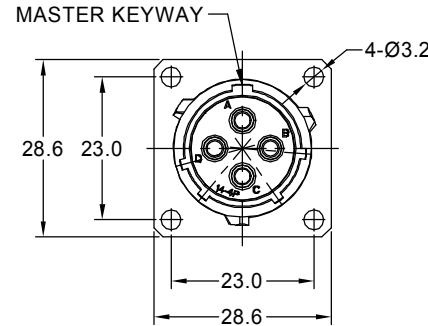
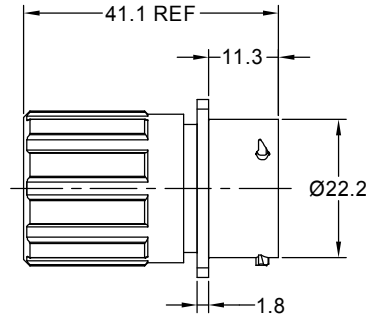
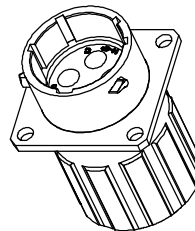




PANEL CUT OUT REFERENCE



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.
 SEAL GASKET : NBR/SILICONE RUBBER.
 O-RING : NBR/SILICONE RUBBER.
 WIRE SEAL : SILICONE RUBBER.

2. SPECIFICATIONS :

2.1 RATED CURRENT : 23A (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 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	Ø3.3mm	Ø4.3mm	14 - 12AWG

REVISIONS

REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	Nov-23-2014	Ben	Tommy
B2	-	VOLTAGE UPDATE AND ADD KEY ICON	Dec-25-2020	Ronald	Tommy

KEY POS	PART NUMBER		A	B	C	D
	-40°C ~ 105°C	-40°C ~ 125°C				
N	RT00144PNHEC	RT00144PNHEC03	105°	140°	215°	265°
W	RT00144PWHEC	RT00144PWHEC03	60°	140°	215°	265°
X	RT00144PXHEC	RT00144PXHEC03	105°	160°	215°	265°
Y	RT00144PYHEC	RT00144PYHEC03	105°	140°	225°	265°
Z	RT00144PZHEC	RT00144PZHEC03	105°	140°	215°	295°

SEE PART NUMBER CHART			
QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	
1) All dimensions are in metric(mm).		DATE	
2) Tolerances are as follows:		DRAWN: Ronald Dec-25-20	
1 PL DEC ±0.30		CHECKED: Ron Dec-26-20	
2 PL DEC ±0.15		ENGINEER:	
3 PL DEC ±0.08		APPROVAL: Tommy Dec-27-2020	
3) Note reference =		CUSTOMER:	
MATERIAL SPECIFICATIONS:		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.	
PROCESS SPECIFICATIONS:		SIZE TYPE DWG NO: B C- RT00144P*HECx	
NEXT ASSY:		SCALE NONE	
		SHEET 1 OF 1	

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

Machined, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
MP12B23T	MS12B23T	14-12AWG	2.3-3.5mm²	Tin
MP12B23S	MS12B23S	14-12AWG	2.3-3.5mm²	Silver
MP12B23F	MS12B23F	14-12AWG	2.3-3.5mm²	Gold Flash
MP12B23G5	MS12B23G5	14-12AWG	2.3-3.5mm²	Gold 5µ"
MP12B23G10	MS12B23G10	14-12AWG	2.3-3.5mm²	Gold 10µ"
MP12B23G15	MS12B23G15	14-12AWG	2.3-3.5mm²	Gold 15µ"
MP12B23G30	MS12B23G30	14-12AWG	2.3-3.5mm²	Gold 30µ"

Machined, Tooling	
Part Number	Description
QXRT12S	Contact Extraction Tool, 2.5mm contact
UH2-5	Universal Locator, Fits AF8 and WA27F
AF8	Hand Crimper
WA27F	Pneumatic Crimper

Plating Options, All	
Symbol	Plating
T	Tin Plated
S	Silver Plated
F	Gold Flash
G5	Gold 5µ" (Thickness 5µ")
G10	Gold 10µ" (Thickness 10µ")
G15	Gold 15µ" (Thickness 15µ")
G30	Gold 30µ" (Thickness 30µ")

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

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

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

Standard Quantity Order Options	
Machined	Bag, 500 Pieces
Stamped & Formed	Reel, 1000 Pieces