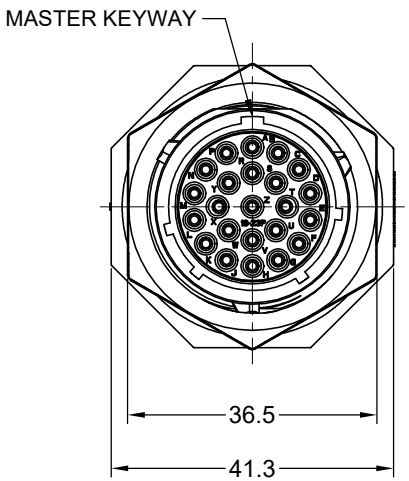
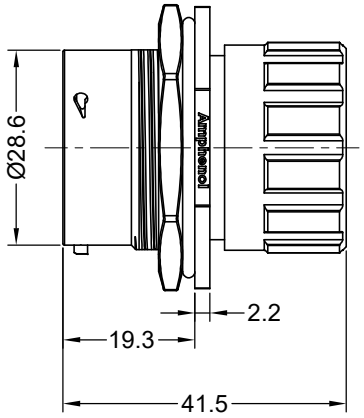
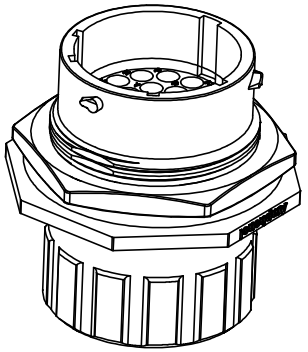
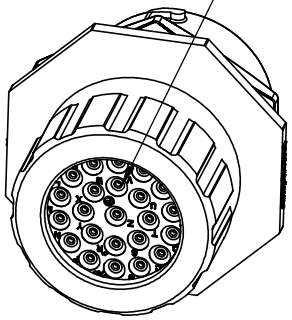
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	RELEASED DRAWING	FEB-1-2024	JUN	TOMMY



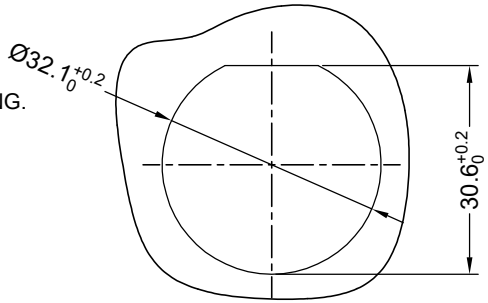






NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
   - SHELL: THERMOPLASTIC, UL94 V-0.
   - INSERT: THERMOPLASTIC, UL94 V-0.
   - O-RING: NBR/SILICONE RUBBER.
   - SEAL GASKET: SILICONE RUBBER.
   - JAM NUT: ALUMINIUM ALLOY, BLACK ANODIZING.
   - END CAP: THERMOPLASTIC, UL94 V-0.
   - PLASTIC RING: THERMOPLASTIC, UL94 V-0.
   - WIRE SEAL: SILICONE RUBBER.
2. SPECIFICATIONS:
   - 2.1 RATED CURRENT: 13A MAX.
   - 2.2 RATED VOLTAGE: 500V(AC/DC).
   - 2.3 OPERATING TEMPERATURE: SEE TABLE.
   - 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# CONTACT.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



PANEL CUT OUT REFERENCE

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS718N23PHECR	RTS718N23PHEC03R

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
16#	Ø1.2mm	Ø2.1mm	14 - 24AWG

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 ASS'Y:

SIGNATURES		DATE
DRAWN:	JUN	FEB-1-2024
CHECKED:	JOE	FEB-1-2024
ENGINEER:		
APPROVAL:	TOMMY	FEB-2-2024
CUSTOMER:		

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.

Amphenol

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

EcoMate Aquarius,RECEPTACLE, JAM NUT,
SIZE 18,23POS,PIN,END CAP,REDUCED WIRE SEALS

SIZE	TYPE	DWG NO:	REVISION
B	C-	RTS718*23PHECxxR	A1

SCALE: NONE SHEET 1 OF 1

TITLE: EcoMate Aquarius,RECEPTACLE,JAM NUT,SIZE 18,23POS,PIN,END CAP,REDUCED WIRE SEALS
DWG NO: RTS718*23PHECxxR
REV: A1
SH: 1
OF: 1