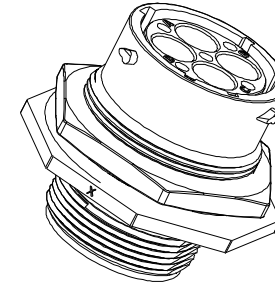
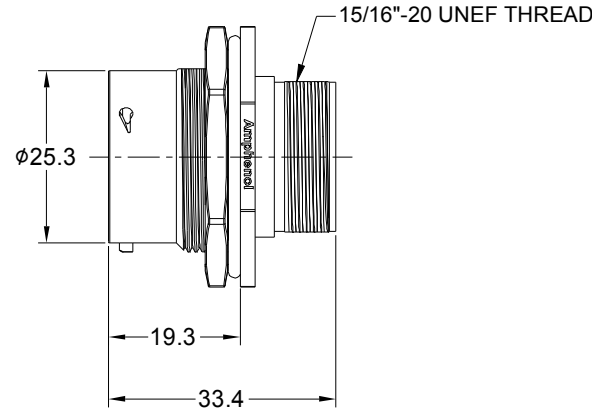
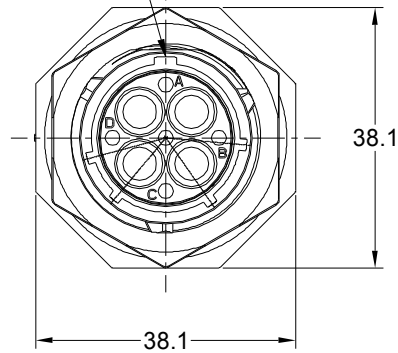
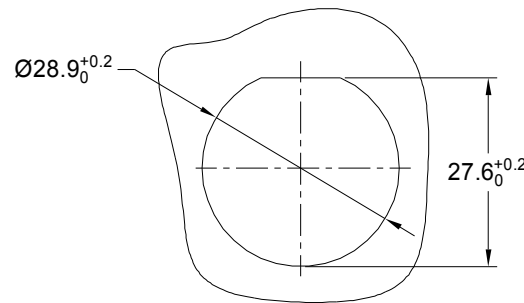


MASTER KEYWAY



NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :
SHELL : THERMOPLASTIC , UL94 V-0.
INSERT : THERMOPLASTIC , UL94 V-0.
O-RING : NBR/SILICONE RUBBER.
SEAL GASKET : NBR/SILICONE RUBBER.
JAM NUT : ALUMINIUM ALLOY , BLACK ANODIZING.
2. SPECIFICATIONS :
2.1 RATED CURRENT : 45A (MAX).
2.2 RATED VOLTAGE : 600V(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,
PANEL EXTERNAL.
2.7 MATING CYCLES DURABILITY : 500 CYCLES MIN.
2.8 RoHS COMPLIANT.
3. SUITABLE CONTACTS : 8# CONTACT.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



PANEL CUT OUT REFERENCE

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	Dec-26-2016	Ben	Tommy
A2	-	UPDATE NOTES	Jul-05-2017	Nick	Tommy
A3	-	UPDATE DRAWING	Mar-20-2018	White	Tommy
A4	-	UPDATE DESCRIPTION AND VOLTAGE	SEP-23-2021	BLINK	TOMMY

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS716N4P	RTS716N4P03

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES DATE	
1) All dimensions are in metric(mm).		DRAWN: BLINK SEP-23-2021	
2) Tolerances are as follows:		CHECKED: ORION SEP-24-2021	
1 PL DEC ±0.30 Fractions ±1/64		ENGINEER:	
2 PL DEC ±0.15 Angles ±1°		APPROVAL: TOMMY SEP-27-2021	
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:		EcoMate Aquarius,RECEPTACLE, JAM NUT, SIZE 16,4POS,PIN.	
NEXT ASSY:		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
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		Sine Systems - www.amphenol	

ecomate® RM/RSSM/Aquarius™ - Contact Size 3.6mm (1604 Insert Arrangement) Options

Crimp Contacts, 1604 Insert Arrangement, Machined					
Part Number		AWG	Wire Range (mm²)	For Use w Endcap	Plating
Male	Female				
MP10A23T	MS10A23T	12-10	3.0 - 6.0	Yes	Tin
MP10A23S	MS10A23S	12-10	3.0 - 6.0	Yes	Silver
MP10A23F	MS10A23F	12-10	3.0 - 6.0	Yes	Gold Flash
MP10A23G5	MS10A23G5	12-10	3.0 - 6.0	Yes	Gold 5µ"
MP10S23G10	MS10A23G10	12-10	3.0 - 6.0	Yes	Gold 10µ"
MP10A23G15	MS10A23G15	12-10	3.0 - 6.0	Yes	Gold 15µ"
MS10A23G30	MS10A23G30	12-10	3.0 - 6.0	Yes	Gold 30µ"

Tooling, Machined	
Part Number	Description
QXRT08	Contact Extraction Tool, # 8 (Ø 3.6mm) Contact
M300BT	Hand Crimper
WA27-300BT-EP	Pneumatic Crimper
TP968	Locator M3200BT and WA27-300BT-EP

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