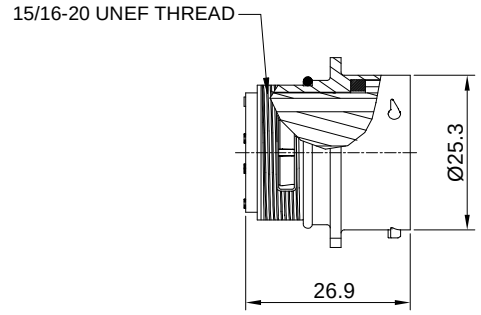
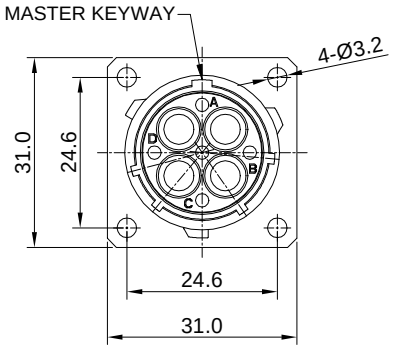
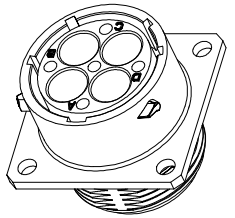
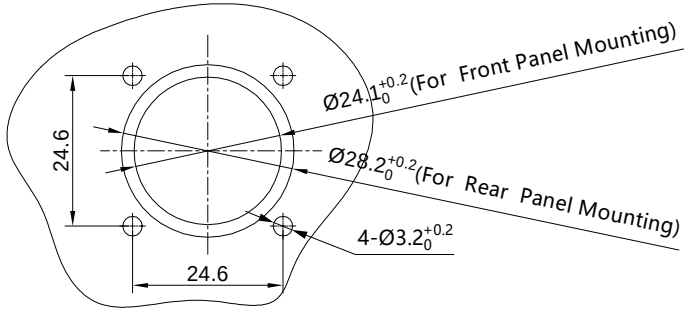
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	JUN-20-2014	BEN	TOMMY
B2	-	UPDATE RATED VOLTAGE	JUL-10-2023	JUN	TOMMY







NOTES: (UNLESS OTHERWISE SPECIFIED)
1. MATERIAL:
   SHELL: ZINC ALLOY, NICKEL PLATED.
   INSERT: THERMOPLASTIC, UL94 V-0.
   SEAL GASKET: NBR/SILICONE RUBBER.
   O-RING: NBR/SILICONE RUBBER.
2. SPECIFICATIONS:
   2.1 RATED CURRENT: 45A (MAX).
   2.2 RATED VOLTAGE: 600V (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.
   2.7 MATING CYCLES DURABILITY: 500 CYCLES MIN.
   2.8 ROHS COMPLIANT.
3. SUITABLE CONTACTS : 8# CONTACTS.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



PANEL CUT OUT REFERENCE

KEY POS	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RT00164PNH	RT00164PNH03
W	RT00164PWH	RT00164PWH03
X	RT00164PXH	RT00164PXH03
Y	RT00164PYH	RT00164PYH03
Z	RT00164PZH	RT00164PZH03

	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 ASS'Y:

SIGNATURES		DATE
DRAWN:	JUN	JUL-10-2023
CHECKED:	JOE	JUL-12-2023
ENGINEER:		
APPROVAL:	TOMMY	JUL-14-2023
CUSTOMER:		

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

ECO-MATE,RECEPTACLE,
SIZE 16,4POS,PIN.

SIZE	TYPE	DWG NO:	REVISION
B	C-	RT00164P*H*	B2

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE,RECEPTACLE,SIZE 16,4POS,PIN.
DWG NO: RT00164P*H*
REV: B2
SH: 1
OF: 1

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 (Thickeness 5µ")
G10	Gold Plated (Thickeness 10µ")
G15	Gold Plated (Thickeness 15µ")
G30	Gold Plated (Thickeness 30µ")