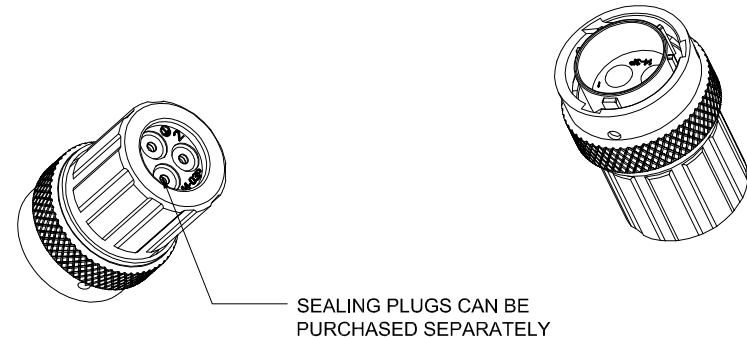
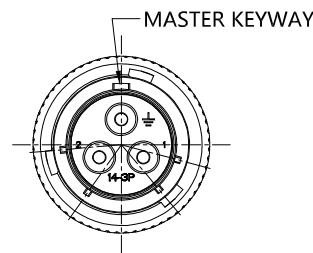
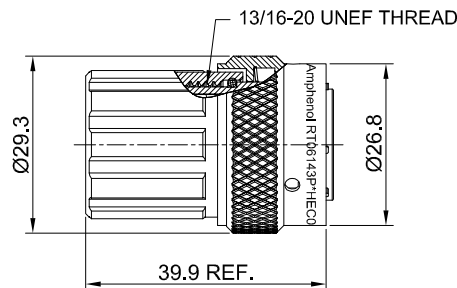


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	Jul-20-2018	White	Tommy



NOTES : (UNLESS OTHERWISE SPECIFIED)

- MATERIAL :
SHELL : ZINC ALLOY , NICKEL PLATED.
INSERT : THERMOPLASTIC , UL94 V-0.
END CAP : THERMOPLASTIC , UL94 V-0.
COUPLING NUT : AL ALLOY , NICKEL PLATED.
WAVE WASHER : STAINLESS STEEL.
O-RING : NBR OR SILICONE RUBBER.
WIRE SEAL : SILICONE RUBBER.
PLASTIC BUSHING : THERMOPLASTIC , UL94 V-0.
- SPECIFICATIONS :
2.1 RATED CURRENT : 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@2500 VOLTS AC.
2.5 INSULATION RESISTANCE : 5000 MEGOHMS MIN.
2.6 IP CLASS : IP67 IN THE MATED CONDITION, WIRE SEALS FULLY POPULATED.
2.7 MATING CYCLES DURABILITY : 500 CYCLES(MIN).
2.8 RoHS COMPLIANT.
- SUITABLE CONTACTS : 8# CONTACTS (MP10A23xL, x DENOTE DIFFERENT PLATING).
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- CONTACT SIZE AND REAR SEAL WIRE RANGE :

CONTACT SIZE	MIN. INSUL O.D.	MAX. INS O.D.	WIRE RANGE
8#	Ø2.8mm	Ø5.2mm	12 - 10AWG

KEY POS	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RT06143PNHEC	RT06143PNHEC03
W	RT06143PWHEC	RT06143PWHEC03
X	RT06143PXHEC	RT06143PXHEC03
Y	RT06143PYHEC	RT06143PYHEC03
Z	RT06143PZHEC	RT06143PZHEC03

SEE PART NUMBER CHART					
QUANTITY	PART NUMBER	DESCRIPTION			ITEM
MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
1) All dimensions are in metric(mm).		DRAWN:		White Jul-20-2018	
2) Tolerances are as follows:		CHECKED:		Tod Jul-20-2018	
1 PL DEC ±0.30		ENGINEER:			
2 PL DEC ±0.15		APPROVAL:		Tommy Jul-20-2018	
3 PL DEC ±0.08					
3) Note reference = 					
MATERIAL SPECIFICATIONS:		CUSTOMER:			
PROCESS 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.			
NEXT ASSY:		SIZE		TYPE	DWG NO.
		B		C-	RT06143P*HECxx
		SCALE		NONE	REVISION
					A1
				SHEET	1 OF 1

TITLE: ECO-MATE,PLUG,END CAP,SIZE 14, 3 POS, PIN
DWG NO: RT06143P*HECxx
REV: A1
SH: 1
OF: 1

ecomate® RM, RSSM and Aquarius™ Series
Size 3.6mm Contact & Tooling Options (1403 Insert Arrangement)

Machined, Crimp Contacts						
Part Number		Contact Size (AWG)	Wire Range (mm²)	Male Contact For Use w End Cap	Female Contact For Use w End Cap	Plating
Male	Female					
MP10A23T-10	MS10A23T-10	8AWG	10.0 mm²	No	No	Tin
MP10A23S-10	MS10A23S-10	8AWG	10.0 mm²	No	No	Silver
MP10A23F-10	MS10A23F-10	8AWG	10.0 mm²	No	No	Gold Flash
MP10A23G5-10	MS10A23G5-10	8AWG	10.0 mm²	No	No	Gold 5µ"
MP10A23G10-10	MS10A23G10-10	8AWG	10.0 mm²	No	No	Gold 10µ"
MP10A23G15-10	MS10A23G15-10	8AWG	10.0 mm²	No	No	Gold 15µ"
MP10A23G30-10	MS10A23G30-10	8AWG	10.0 mm²	No	No	Gold 30µ"
MP10A23S-63	MS10A23S-63	10-12AWG	4.0-6.0 mm²	No	No	Silver
MP10A23F-63	MS10A23F-63	10-12AWG	4.0-6.0 mm²	No	No	Gold Flash
MP10A23S-63	MS10A23S-63W	10-12AWG	4.0-6.0 mm²	No	Yes	Silver
MP10A23F-63	MS10A23F-63W	10-12AWG	4.0-6.0 mm²	No	Yes	Gold Flash
MP10A23TL	MS10A23T	10-12AWG	3.0-6.0 mm²	Yes	Yes	Tin
MP10A23SL	MS10A23S	10-12AWG	3.0-6.0 mm²	Yes	Yes	Silver
MP10A23FL	MS10A23F	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold Flash
MP10A23G5L	MS10A23G5	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 5µ"
MP10A23G10L	MS10A23G10	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 10µ"
MP10A23G15L	MS10A23G15	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 15µ"
MP10A23G30L	MS10A23G30	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 30µ"
MP10A23S-25	MS10A23S-25	14-16AWG	1.5-2.5 mm²	No	No	Silver
MP10A23F-25	MS10A23F-25	14-16AWG	1.5-2.5 mm²	No	No	Gold Flash
MP10A23S-25	MS10A23S-25W	14-16AWG	1.5-2.5 mm²	No	Yes	Silver
MP10A23F-25	MS10A23F-25W	14-16AWG	1.5-2.5 mm²	No	Yes	Gold Flash

Machined, Tooling	
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 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")