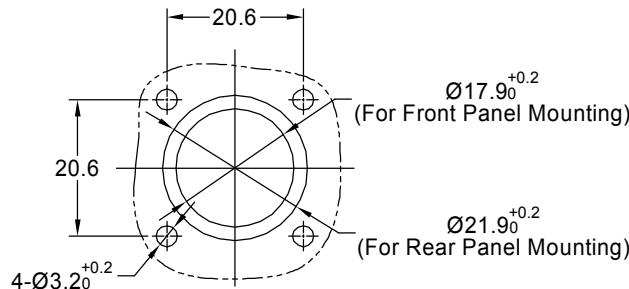
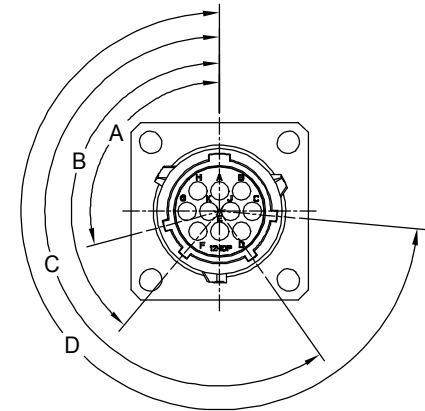
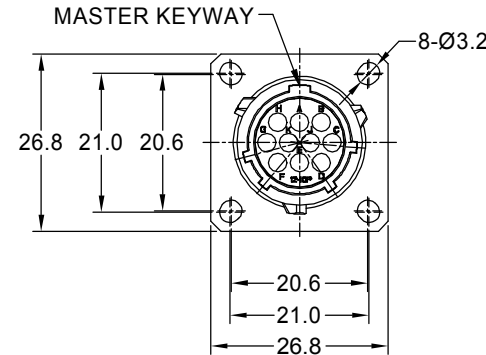
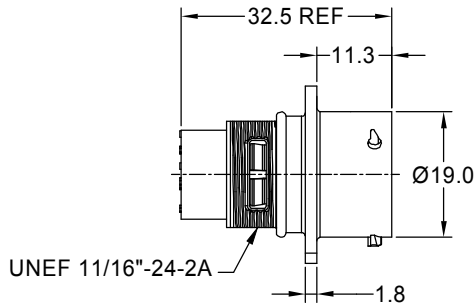
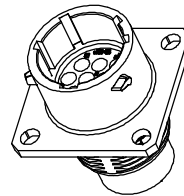


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	Jun-26-2014	Ben	Tommy
B2	-	MODIFY THE INSERT LETTER LOCATION	May-20-2016	Ben	Tommy
B3	-	VOLTAGE UPDATE AND ADD KEY ICON	Nov-28-2020	Ronald	Tommy



PANEL CUT OUT REFERENCE



KEY POS	PART NUMBER		A	B	C	D
	-40°C ~ 105°C	-40°C ~ 125°C				
N	RT0W01210PNH	RT0W01210PNH03	105°	140°	215°	265°
W	RT0W01210PWH	RT0W01210PWH03	60°	140°	215°	265°
X	RT0W01210PXH	RT0W01210PXH03	105°	155°	215°	265°
Y	RT0W01210PYH	RT0W01210PYH03	105°	140°	225°	265°
Z	RT0W01210PZH	RT0W01210PZH03	105°	140°	215°	295°

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 :

2.1.1 STAMPED CONTACT : 5A (MAX) .
 2.1.2 MACHINED CONTACT : 7.5A (MAX) .

2.2 RATED VOLTAGE : 250V (AC/DC) .

2.3 OPERATING TEMPERATURE : SEE CHART.

2.4 DIELECTRIC WITHSTANDING VOLTAGE : LESS THAN
 2 MILLIAMPS CURRENT LEAKAGE@1500 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 : 20# CONTACTS.

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

SEE PART NUMBER CHART			
QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES DATE	
1) All dimensions are in metric(mm).		DRAWN:	Ronald Nov-28-2020
2) Tolerances are as follows:		CHECKED:	Plan Nov-29-2020
1 PL DEC ±0.30		ENGINEER:	
2 PL DEC ±0.15		APPROVAL:	Tommy Nov-30-2020
3 PL DEC ±0.08		CUSTOMER:	
3) Note reference = 		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.	
MATERIAL SPECIFICATIONS:		SIZE TYPE DWG NO: REVISION	
PROCESS SPECIFICATIONS:		B C- RT0W01210P*Hx B3	
NEXT ASSY:		SCALE: NONE	SHEET 1 OF 1

TITLE: ECOMATE RM, RECEPTACLE, SIZE 12, 10POS, PIN. DWG NO: RT0W01210P*Hx REV: B3 SH: 1 OF: 1

ecomate® RM, RSSM and Aquarius™ Series
Size 20 Contact & Tooling Options

Machined, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
MP20W23F	MS20W23F	20-22AWG	0.34-0.50 mm²	Gold Flash
MP20W23G5	MS20W23G5	20-22AWG	0.34-0.50 mm²	Gold 5µ"
MP20W23G10	MS20W23G10	20-22AWG	0.34-0.50 mm²	Gold 10µ"
MP20W23G15	MS20W23G15	20-22AWG	0.34-0.50 mm²	Gold 15µ"
MP20W23G30	MS20W23G30	20-22AWG	0.34-0.50 mm²	Gold 30µ"
MP24W23F	MS24W23F	24-26AWG	0.14-0.25 mm²	Gold Flash
MP24W23G5	MS24W23G5	24-26AWG	0.14-0.25 mm²	Gold 5µ"
MP24W23G10	MS24W23G10	24-26AWG	0.14-0.25 mm²	Gold 10µ"
MP24W23G15	MS24W23G15	24-26AWG	0.14-0.25 mm²	Gold 15µ"
MP24W23G30	MS24W23G30	24-26AWG	0.14-0.25 mm²	Gold 30µ"
MP28W23F	MS28W23F	28-30AWG	0.05-0.08 mm²	Gold Flash
MP28W23G5	MS28W23G5	28-30AWG	0.05-0.08 mm²	Gold 5µ"
MP28W23G10	MS28W23G10	28-30AWG	0.05-0.08 mm²	Gold 10µ"
MP28W23G15	MS28W23G15	28-30AWG	0.05-0.08 mm²	Gold 15µ"
MP28W23G30	MS28W23G30	28-30AWG	0.05-0.08 mm²	Gold 30µ"

Machined, Tooling	
Part Number	Description
QXRT20	Contact Extraction Tool, #20 (Ø 1.0) Contact
MFY-3959	Hand Crimp Tool for Machined Contacts
MFY-3960	Pneumatic Crimp Tool for Machined Contact

Plating Options, All	
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")

Stamped & Formed , Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
SP20W2F	SS20W2F	20-22AWG	0.34-0.50 mm²	Gold Flash
SP20W2G5	SS20W2G5	20-22AWG	0.34-0.50 mm²	Gold 5µ"
SP20W2G10	SS20W2G10	20-22AWG	0.34-0.50 mm²	Gold 10µ"
SP20W2G15	SS20W2G15	20-22AWG	0.34-0.50 mm²	Gold 15µ"
SP20W2G30	SS20W2G30	20-22AWG	0.34-0.50 mm²	Gold 30µ"
SP24W2F	SS24W2F	24-26AWG	0.14-0.25 mm²	Gold Flash
SP24W2G5	SS24W2G5	24-26AWG	0.14-0.25 mm²	Gold 5µ"
SP24W2G10	SS24W2G10	24-26AWG	0.14-0.25 mm²	Gold 10µ"
SP24W2G15	SS24W2G15	24-26AWG	0.14-0.25 mm²	Gold 15µ"
SP24W2G30	SS24W2G30	24-26AWG	0.14-0.25 mm²	Gold 30µ"
SP28W2F	SS28W2F	28-30AWG	0.05-0.08 mm²	Gold Flash
SP28W2G5	SS28W2G5	28-30AWG	0.05-0.08 mm²	Gold 5µ"
SP28W2G10	SS28W2G10	28-30AWG	0.05-0.08 mm²	Gold 10µ"
SP28W2G15	SS28W2G15	28-30AWG	0.05-0.08 mm²	Gold 15µ"
SP28W2G30	SS28W2G30	28-30AWG	0.05-0.08 mm²	Gold 30µ"

Stamped & Formed, Tooling	
Part Number	Description
QXRT20	Contact Extraction Tool, #20 (Ø 1.0) Contact
MFY-3958	Hand Tool, Stamped & Formed Contact, Size 20, 20-28AWG
MFY-3957	Crimp Die for Stamped & Formed Contact

Misc Tooling, All	
Part Number	Description
CA-4020-59	Sealing Plug, Size 16 & 20

Standard Quantity Order Options	
Machined	Bulk Package, 500 Pieces
Stamped & Formed	Reel, 3000 Pieces

ecomate® RM, RSSM and Aquarius™ Series
Size 20 Contact & Tooling Options

Machined, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
MP20W23F	MS20W23F	20-22AWG	0.34-0.50 mm²	Gold Flash
MP20W23G5	MS20W23G5	20-22AWG	0.34-0.50 mm²	Gold 5µ"
MP20W23G10	MS20W23G10	20-22AWG	0.34-0.50 mm²	Gold 10µ"
MP20W23G15	MS20W23G15	20-22AWG	0.34-0.50 mm²	Gold 15µ"
MP20W23G30	MS20W23G30	20-22AWG	0.34-0.50 mm²	Gold 30µ"
MP24W23F	MS24W23F	24-26AWG	0.14-0.25 mm²	Gold Flash
MP24W23G5	MS24W23G5	24-26AWG	0.14-0.25 mm²	Gold 5µ"
MP24W23G10	MS24W23G10	24-26AWG	0.14-0.25 mm²	Gold 10µ"
MP24W23G15	MS24W23G15	24-26AWG	0.14-0.25 mm²	Gold 15µ"
MP24W23G30	MS24W23G30	24-26AWG	0.14-0.25 mm²	Gold 30µ"
MP28W23F	MS28W23F	28-30AWG	0.05-0.08 mm²	Gold Flash
MP28W23G5	MS28W23G5	28-30AWG	0.05-0.08 mm²	Gold 5µ"
MP28W23G10	MS28W23G10	28-30AWG	0.05-0.08 mm²	Gold 10µ"
MP28W23G15	MS28W23G15	28-30AWG	0.05-0.08 mm²	Gold 15µ"
MP28W23G30	MS28W23G30	28-30AWG	0.05-0.08 mm²	Gold 30µ"

Machined, Tooling	
Part Number	Description
QXRT20	Contact Extraction Tool, #20 (Ø 1.0) Contact
MFY-3959	Hand Crimp Tool for Machined Contacts
MFY-3960	Pneumatic Crimp Tool for Machined Contact

Plating Options, All	
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")

Stamped & Formed , Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
SP20W2F	SS20W2F	20-22AWG	0.34-0.50 mm²	Gold Flash
SP20W2G5	SS20W2G5	20-22AWG	0.34-0.50 mm²	Gold 5µ"
SP20W2G10	SS20W2G10	20-22AWG	0.34-0.50 mm²	Gold 10µ"
SP20W2G15	SS20W2G15	20-22AWG	0.34-0.50 mm²	Gold 15µ"
SP20W2G30	SS20W2G30	20-22AWG	0.34-0.50 mm²	Gold 30µ"
SP24W2F	SS24W2F	24-26AWG	0.14-0.25 mm²	Gold Flash
SP24W2G5	SS24W2G5	24-26AWG	0.14-0.25 mm²	Gold 5µ"
SP24W2G10	SS24W2G10	24-26AWG	0.14-0.25 mm²	Gold 10µ"
SP24W2G15	SS24W2G15	24-26AWG	0.14-0.25 mm²	Gold 15µ"
SP24W2G30	SS24W2G30	24-26AWG	0.14-0.25 mm²	Gold 30µ"
SP28W2F	SS28W2F	28-30AWG	0.05-0.08 mm²	Gold Flash
SP28W2G5	SS28W2G5	28-30AWG	0.05-0.08 mm²	Gold 5µ"
SP28W2G10	SS28W2G10	28-30AWG	0.05-0.08 mm²	Gold 10µ"
SP28W2G15	SS28W2G15	28-30AWG	0.05-0.08 mm²	Gold 15µ"
SP28W2G30	SS28W2G30	28-30AWG	0.05-0.08 mm²	Gold 30µ"

Stamped & Formed, Tooling	
Part Number	Description
QXRT20	Contact Extraction Tool, #20 (Ø 1.0) Contact
MFY-3958	Hand Tool, Stamped & Formed Contact, Size 20, 20-28AWG
MFY-3957	Crimp Die for Stamped & Formed Contact

Misc Tooling, All	
Part Number	Description
CA-4020-59	Sealing Plug, Size 16 & 20

Standard Quantity Order Options	
Machined	Bulk Package, 500 Pieces
Stamped & Formed	Reel, 3000 Pieces