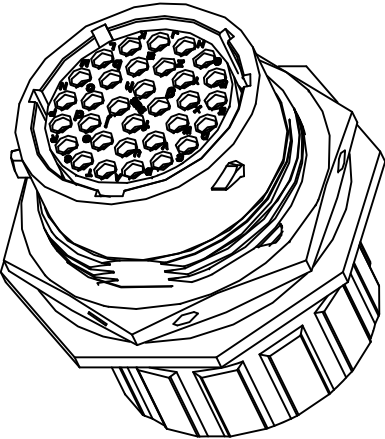
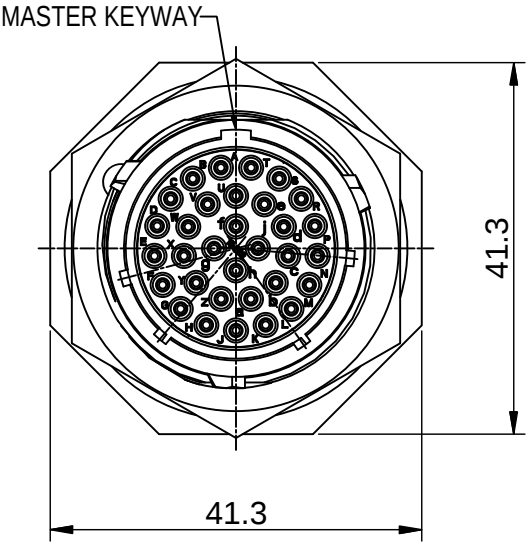
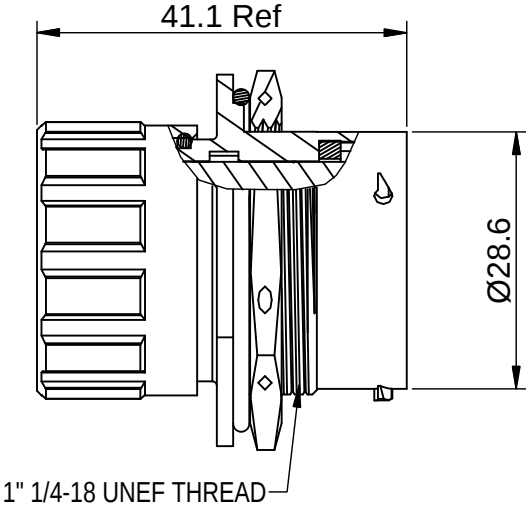


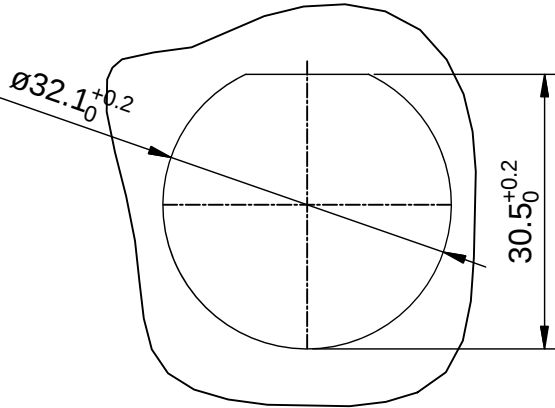
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	JULY-08-2014	BEN	TOMMY



NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :
- SHELL : ZINC ALLOY , NICKEL PLATED.
INSERT : THERMOPLASTIC , UL94 V-0.
END CAP : THERMOPLASTIC , UL94 V-0.
JAM NUT : AL ALLOY , NICKEL PLATED.
O-RING : NBR.
WIRE SEAL : SILICONE RUBBER.
PLASTIC BUSHING : THERMOPLASTIC , UL94 V-0.
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 : 150V (AC/DC) .
2.3 OPERATING TEMPERATURE : -40°C ~ +105°C.
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.
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.
5. CONTACT SIZE AND REAR SEAL WIRE RANGE :

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
20#	Ø1.6mm	Ø2.6mm	20 - 30AWG



PANEL CUT OUT REFERENCE

KEY POS	PART NUMBER
N	RT0W71832SNHEC
W	RT0W71832SWHEC
X	RT0W71832SXHEC
Y	RT0W71832SYHEC
Z	RT0W71832SZHEC

		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 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference = X		SIGNATURES		DATE		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
		DRAWN: BEN		JULY-08-2014				
		CHECKED:						
		ENGINEER:						
		MATERIAL SPECIFICATIONS:		APPROVAL:				ECO-MATE,RECEPTACLE, SIZE 18,32POS,SOCKET,END CAP.
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 ASS'Y:								
		SIZE	TYPE	DWG NO:			REVISION	
		B	C-	RT0W71832S*HEC			B1	
		SCALE: NONE					SHEET 1 OF 1	

TITLE: ECO-MATE,RECEPTACLE,SIZE 18,32POS,SOCKET,END CAP. DWG NO: RT0W71832S*HEC REV: B1 SH: 1 OF: 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 20 Options

Machined, Crimp Contacts				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
MP20W23F	MS20W23F	22-20	.34-.50	Gold Flash
MP20W23G5	MS20W23G5	22-20	.34-.50	Gold 5µ"
MP20W23G10	MS20W23G10	22-20	.34-.50	Gold 10µ"
MP20W23G15	MS20W23G15	22-20	.34-.50	Gold 15µ"
MP20W23G30	MS20W23G30	22-20	.34-.50	Gold 30µ"
MP24W23F	MS24W23F	26-24	.13-.25	Gold Flash
MP24W23G5	MS24W23G5	26-24	.13-.25	Gold 5µ"
MP24W23G10	MS24W23G10	26-24	.13-.25	Gold 10µ"
MP24W23G15	MS24W23G15	26-24	.13-.25	Gold 15µ"
MP24W23G30	MS24W23G30	26-24	.13-.25	Gold 30µ"
MP28W23F	MS28W23F	30-28	.05-.08	Gold Flash
MP28W23G5	MS28W23G5	30-28	.05-.08	Gold 5µ"
MP28W23G10	MS28W23G10	30-28	.05-.08	Gold 10µ"
MP28W23G15	MS28W23G15	30-28	.05-.08	Gold 15µ"
MP28W23G30	MS28W23G30	30-28	.05-.08	Gold 30µ"

Stamped & Formed, Crimp Contacts				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
SP20W2F	SS20W2F	22-20	.34-.50	Gold Flash
SP20W2G5	SS20W2G5	22-20	.34-.50	Gold 5µ"
SP20W2G10	SS20W2G10	22-20	.34-.50	Gold 10µ"
SP20W2G15	SS20W2G15	22-20	.34-.50	Gold 15µ"
SP20W2G30	SS20W2G30	22-20	.34-.50	Gold 30µ"
SP24W2F	SS24W2F	26-24	.14-.25	Gold Flash
SP24W2G5	SS24W2G5	26-24	.14-.25	Gold 5µ"
SP24W2G10	SS24W2G10	26-24	.14-.25	Gold 10µ"
SP24W2G15	SS24W2G15	26-24	.14-.25	Gold 15µ"
SP24W2G30	SS24W2G30	26-24	.14-.25	Gold 30µ"
SP28W2F	SS28W2F	30-28	.05-.08	Gold Flash
SP28W2G5	SS28W2G5	30-28	.05-.08	Gold 5µ"
SP28W2G10	SS28W2G10	30-28	.05-.08	Gold 10µ"
SP28W2G15	SS28W2G15	30-28	.05-.08	Gold 15µ"
SP28W2G30	SS28W2G30	30-28	.05-.08	Gold 30µ"

Tooling, Machined	
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

Tooling, Stamped & Formed	
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

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")

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

Amphenol Sine Systems
 44724 Morley Drive
 Clinton Township, MI 48036 USA
www.amphenol-sine.com
 04/2021

Mouser Electronics

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