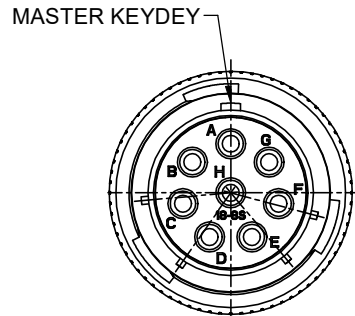
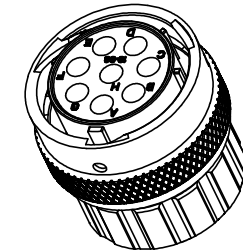
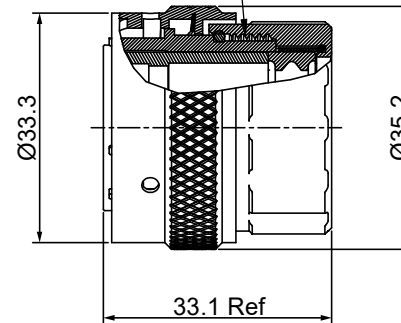




1" 1/16-18 UNEF THREAD



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:

SHELL: ZINC ALLOY, NICKEL PLATED.

INSERT: THERMOPLASTIC, UL94 V-0.

COUPLING NUT: AL ALLOY, NICKEL PLATED.

END CAP: THERMOPLASTIC, UL94 V-0.

PLASTIC BUSHING: THERMOPLASTIC, UL94 V-0.

O-RING: NBR/SILICONE RUBBER.

WIRE SEAL: SILICONE RUBBER.

2. SPECIFICATIONS:

2.1 RATED CURRENT: 23A (MAX).

2.2 RATED VOLTAGE: 500V (AC/DC). Δ

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(MATED CONDITION).

2.7 MATING CYCLES DURABILITY: 500 CYCLES MIN.

2.8 RoHS COMPLIANT.

3. SUITABLE CONTACTS : 2.5mm 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
2.5mm	Ø3.3mm	Ø4.3mm	14-12AWG

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	Nov-29-2014	Ben	Tommy
B2	-	UPDATE THE VOLTAGE	Dec-3-2019	Flan	Tommy

KEY POS	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RT06188SNHEC	RT06188SNHEC03
W	RT06188SWHEC	RT06188SWHEC03
X	RT06188SXHEC	RT06188SXHEC03
Y	RT06188SYHEC	RT06188SYHEC03
Z	RT06188SZHEC	RT06188SZHEC03

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 = Δ		SIGNATURES DRAWN: Flan CHECKED: Martin ENGINEER: APPROVAL: Tommy MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:	DATE Dec-3-2019 Dec-3-2019 Dec-3-2019 Dec-3-2019	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 ECO-MATE, PLUG, SIZE 18, 8POS, SOCKET, END CAP. SIZE B C- SCALE NONE
		DWG NO: RT06188S*HEC*		REVISION B2
		SHEET 1 OF 1		

TITLE: ECO-MATE PLUG SIZE 18, 8POS, SOCKET, END CAP. DWG NO: RT06188S*HEC* REV: B2 SH: 1 OF: 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 12 Options

Machined, Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
MP12B23T	MS12B23T	14-12AWG	2.3-3.5mm²	Tin
MP12B23S	MS12B23S	14-12AWG	2.3-3.5mm²	Silver
MP12B23F	MS12B23F	14-12AWG	2.3-3.5mm²	Gold Flash
MP12B23G5	MS12B23G5	14-12AWG	2.3-3.5mm²	Gold 5µ"
MP12B23G10	MS12B23G10	14-12AWG	2.3-3.5mm²	Gold 10µ"
MP12B23G15	MS12B23G15	14-12AWG	2.3-3.5mm²	Gold 15µ"
MP12B23G30	MS12B23G30	14-12AWG	2.3-3.5mm²	Gold 30µ"

Machined, Tooling	
Part Number	Description
QXRT12S	Contact Extraction Tool, 2.5mm contact
UH2-5	Universal Locator, Fits AF8 and WA27F
AF8	Hand Crimper
WA27F	Pneumatic Crimper

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

Stamped & Formed , Crimp Contacts				
Part Number		Contact Size (AWG)	Wire Range (mm²)	Plating
Male	Female			
SP12A1T	SS12A1T	14-12AWG	2.5-3.5mm²	Tin

Stamped & Formed, Tooling	
Part Number	Description
QXRT12S	Contact Extraction Tool, 2.5mm Contact
MFx-3962	Hand Tool, Stamped & Formed Contact, 2.5mm Contact

Misc Tooling, All	
Part Number	Description
CA-4012-59	Sealing Plug, Size 12

Standard Quantity Order Options	
Machined	Bag, 500 Pieces
Stamped & Formed	Reel, 1000 Pieces