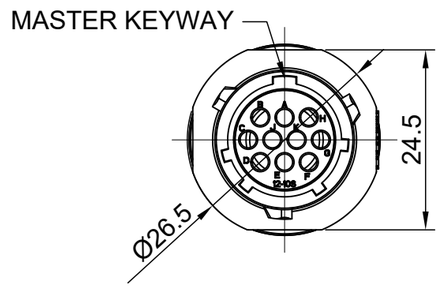
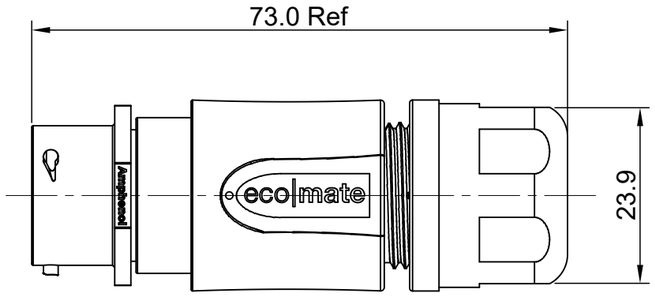
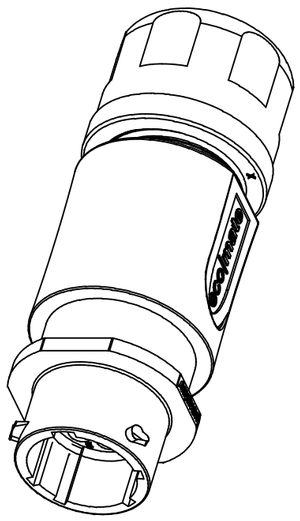
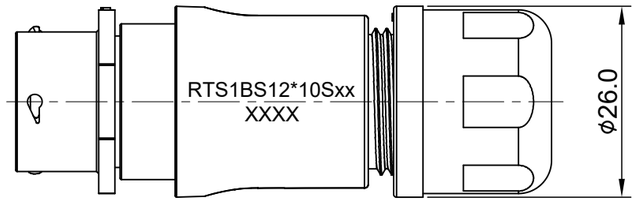
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASED DRAWING	Jun-20-2018	Blink	Tommy









NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
   - 1.1 SHELL: THERMOPLASTIC, UL94 V-0.
   - 1.2 INSERT: THERMOPLASTIC, UL94 V-0.
   - 1.3 O-RING: NBR/SILICONE RUBBER.
   - 1.4 BACK SHELL: THERMOPLASTIC, UL94 V-0.
   - 1.5 CLAMP NUT: THERMOPLASTIC, UL94 V-0.
   - 1.6 CLAMP RING: THERMOPLASTIC, UL94 V-0.
   - 1.7 CABLE SEAL: EPDM.
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 TABLE.
   - 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 AND IP69K IN THE MATED CONDITION, WIRE SEALS FULLY POPULATED.
   - 2.7, MATING CYCLES DURABILITY: 500 CYCLES MIN.
   - 2.8, RoHS COMPLIANT.
3. SUITABLE CONTACTS : 20# CONTACT.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
5. ADD LOCTITE TO RETAIN BACKSHELL DURING UN-MATING AND TO PROVIDE ADDITIONAL PROTECTION AGAINST VIBRATION.

DIMENSION ϕA	CABLE OD RANGE
9.5MM	6.0-9.0mm
12.2MM	8.5-12.0mm

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS1BS12N10S	RTS1BS12N10S03

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:	Blink	Jun-20-2018
CHECKED:	Tod	Jun-20-2018
ENGINEER:		
APPROVAL:	Tommy	Jun-20-2018
CUSTOMER:		

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Amphenol
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Clinton Township, MI 48036

ECO-MATE,RECPTACLE,BACK SHELL,
SIZE 12,10POS,SOCKET

SIZE	TYPE	DWG NO:	REVISION
B	C-	RTS1BS12*10Sxx	A1

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE,RECPTACLE,BACK SHELL,SIZE 12,10POS,SOCKET
DWG NO: RTS1BS12*10Sxx
REV: A1
SH: 1
OF: 1