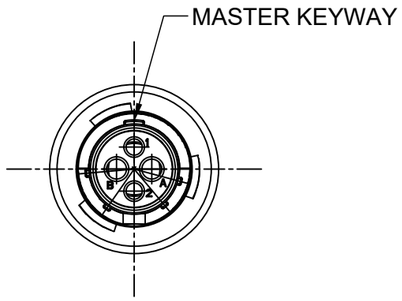
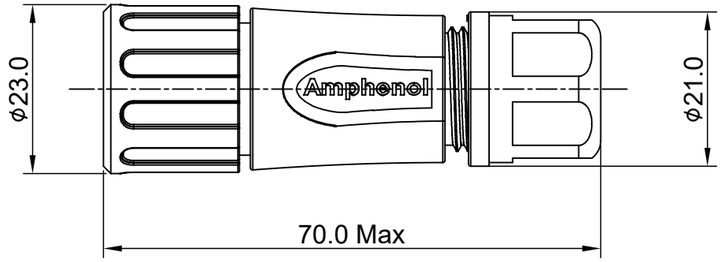
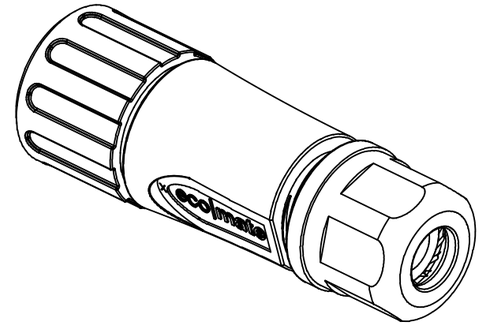
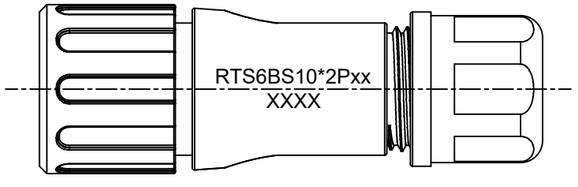
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASED DRAWING	Aug-10-2016	Ben	Tommy
A2	--	UPDATE NOTES	Jun-20-2017	Nick	Tommy
A3	--	UPDATE DRAWING	Mar-16-2018	White	Tommy











NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :
   - SHELL : THERMOPLASTIC , UL94 V-0.
   - INSERT : THERMOPLASTIC , UL94 V-0.
   - COUPLING NUT : THERMOPLASTIC , UL94 V-0.
   - O-RING : NBR/SILICONE RUBBER.
   - WASHER : SILICONE RUBBER.
   - BACK SHELL : THERMOPLASTIC , UL94 V-0.
   - CLAMP NUT : THERMOPLASTIC , UL94 V-0.
   - CLAMP RING : THERMOPLASTIC , UL94 V-0.
   - CABLE SEAL : EPDM.
2. SPECIFICATIONS :
   - 2.1 RATED CURRENT :
     - 2.1.1 16# CONTACT 13A (MAX) .
     - 2.1.2 20# CONTACT 5A (MAX).
   - 2.2 RATED VOLTAGE : 500V(AC/DC).
   - 2.3 OPERATING TEMPERATURE : SEE TABLE .
   - 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 AND IP69K IN THE MATED CONDITION.
   - 2.7 MATING CYCLES DURABILITY : 500 CYCLES MIN.
   - 2.8 RoHS COMPLIANT.
3. SUITABLE CONTACTS : 16# & 20# CONTACTS.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

DIMENSION ϕA	CABLE OD RANGE
7.0MM	4.0-6.5MM
8.8MM	5.0-8.8MM

KEY	PART NUMBER	
	-40°C ~ +105°C	-40°C ~ +125°C
N	RTS6BS10N2P	RTS6BS10N2P03

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:	White	Mar-16-2018
CHECKED:	Tod	Mar-16-2018
ENGINEER:		
APPROVAL:	Tommy	Mar-16-2018
CUSTOMER:		

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

ECO-MATE,PLUG,BACK SHELL,
SIZE 10,4 POS(2+2),PIN.

SIZE	TYPE	DWG NO:	REVISION
B	C-	RTS6BS10*2Pxx	A3

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE,PLUG,BACK SHELL,SIZE 10,4 POS(2+2),PIN.
DWG NO: RTS6BS10*2Pxx
REV: A3
SH: 1
OF: 1

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

Crimp Contacts, Machined				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
MP20W23F	MS20W23F	22-20	0.34-0.50	Gold Flash
MP20W23G5	MS20W23G5	22-20	0.34-0.50	Gold 5µ"
MP20W23G10	MS20W23G10	22-20	0.34-0.50	Gold 10µ"
MP20W23G15	MS20W23G15	22-20	0.34-0.50	Gold 15µ"
MP20W23G30	MS20W23G30	22-20	0.34-0.50	Gold 30µ"
MP24W23F	MS24W23F	26-24	0.13-0.25	Gold Flash
MP24W23G5	MS24W23G5	26-24	0.13-0.25	Gold 5µ"
MP24W23G10	MS24W23G10	26-24	0.13-0.25	Gold 10µ"
MP24W23G15	MS24W23G15	26-24	0.13-0.25	Gold 15µ"
MP24W23G30	MS24W23G30	26-24	0.13-0.25	Gold 30µ"
MP28W23F	MS28W23F	30-28	0.05-0.08	Gold Flash
MP28W23G5	MS28W23G5	30-28	0.05-0.08	Gold 5µ"
MP28W23G10	MS28W23G10	30-28	0.05-0.08	Gold 10µ"
MP28W23G15	MS28W23G15	30-28	0.05-0.08	Gold 15µ"
MP28W23G30	MS28W23G30	30-28	0.05-0.08	Gold 30µ"

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

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

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

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

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

ecomate® RM/RSSM/Aquarius™ - Contact Size 16 Options

Crimp Contacts, Machined				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
MP14M23F	MS14M23F	14	2.0-2.5	Gold Flash
MP14M23G5	MS14M23G5	14	2.0-2.5	Gold 5µ"
MP14M23G10	MS14M23G10	14	2.0-2.5	Gold 10µ"
MP14M23G15	MS14M23G15	14	2.0-2.5	Gold 15µ"
MP14M23G30	MS14M23G30	14	2.0-2.5	Gold 30µ"
MP16M23F	MS16M23F	18-16	0.75-1.5	Gold Flash
MP16M23G5	MS16M23G5	18-16	0.75-1.5	Gold 5µ"
MP16M23G10	MS16M23G10	18-16	0.75-1.5	Gold 10µ"
MP16M23G15	MS16M23G15	18-16	0.75-1.5	Gold 15µ"
MP16M23G30	MS16M23G30	18-16	0.75-1.5	Gold 30µ"
MP20M23F	MS20M23F	22-20	0.34-0.50	Gold Flash
MP20M23G5	MS20M23G5	22-20	0.34-0.50	Gold 5µ"
MP20M23G10	MS20M23G10	22-20	0.34-0.50	Gold 10µ"
MP20M23G15	MS20M23G15	22-20	0.34-0.50	Gold 15µ"
MP20M23G30	MS20M23G30	22-20	0.34-0.50	Gold 30µ"
MP24M23F	MS24M23F	26-24	0.14-0.25	Gold Flash
MP24M23G5	MS24M23G5	26-24	0.14-0.25	Gold 5µ"
MP24M23G10	MS24M23G10	26-24	0.14-0.25	Gold 10µ"
MP24M23G15	MS24M23G15	26-24	0.14-0.25	Gold 15µ"
MP24M23G30	MS24M23G30	26-24	0.14-.025	Gold 30µ"

Crimp Contacts, Stamped & Formed				
Part Number		AWG	Wire Range (mm²)	Plating
Male	Female			
SP14M2F	SS14M2F	14	2.0-2.5	Gold Flash
SP14M2G5	SS14M2G5	14	2.0-2.5	Gold 5µ"
SP14M2G10	SS14M2G10	14	2.0-2.5	Gold 10µ"
SP14M2G15	SS14M2G15	14	2.0-2.5	Gold 15µ"
SP14M2G30	SS14M2G30	14	2.0-2.5	Gold 30µ"
SP16M2F	SS16M2F	18-16	0.75-1.5	Gold Flash
SP16M2G5	SS16M2G5	18-16	0.75-1.5	Gold 5µ"
SP16M2G10	SS16M2G10	18-16	0.75-1.5	Gold 10µ"
SP16M2G15	SS16M2G15	18-16	0.75-1.5	Gold 15µ"
SP16M2G30	SS16M2G30	18-16	0.75-1.5	Gold 30µ"
SP20M2F	SS20M2F	22-20	0.34-0.50	Gold Flash
SP20M2G5	SS20M2G5	22-20	0.34-0.50	Gold 5µ"
SP20M2G10	SS20M2G10	22-20	0.34-0.50	Gold 10µ"
SP20M2G15	SS20M2G15	22-20	0.34-0.50	Gold 15µ"
SP20M2G30	SS20M2G30	22-20	0.34-0.50	Gold 30µ"
SP24M2F	SS24M2F	26-24	0.14-0.25	Gold Flash
SP24M2G5	SS24M2G5	26-24	0.14-0.25	Gold 5µ"
SP24M2G10	SS24M2G10	26-24	0.14-0.25	Gold 10µ"
SP24M2G15	SS24M2G15	26-24	0.14-0.25	Gold 15µ"
SP24M2G30	SS24M2G30	26-24	0.14-0.25	Gold 30µ"

Tooling, Machined	
Part Number	Description
QXRT16	Contact Extraction Tool, #16 (Ø 1.6) Contact
MFX-3959	Hand Crimp Tool for Machined Contacts
MFX-3960	Pneumatic Crimp Tool for Machined Contact

Tooling, Stamped & Formed	
Part Number	Description
QXRT16	Contact Extraction Tool, #16 (Ø 1.6) Contact
MFX-3954	Hand Tool, Stamped & Formed Contact, Size 16, 20-14AWG
MFX-3957	Crimp Die, Stamped & Formed 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")

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

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