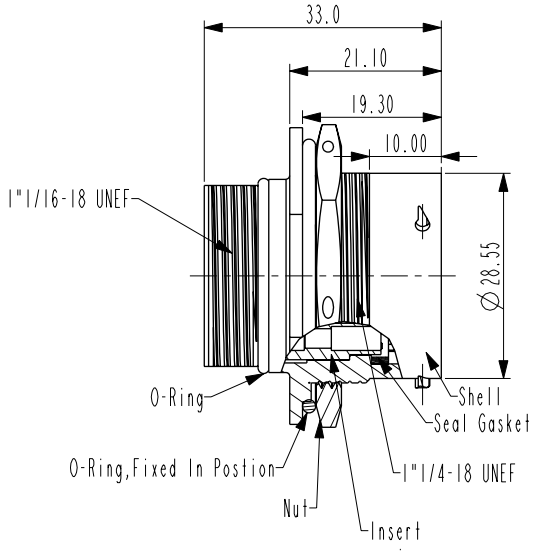
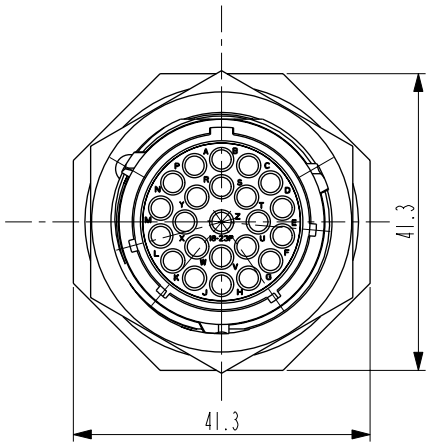
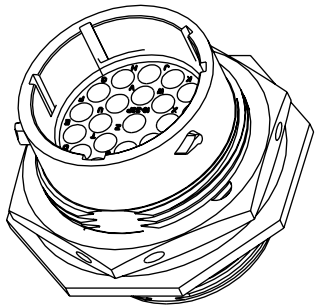
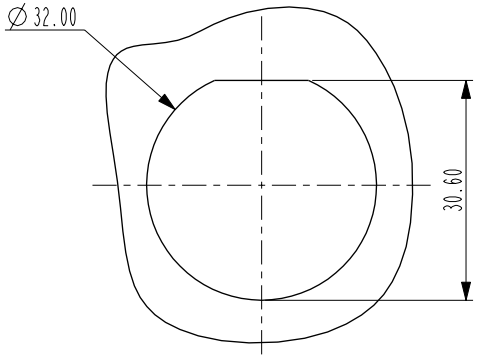
REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
01	--	--	FELEASE NUMBER	18-May-10		









Panel Cut out Reference

TECHNICAL SPECIFICATION	
Shell	Zinc Alloy,Nickel Plated
Insert	PA 66 UL94 V0
Seal Gasket	Silicone Rubber
O-Ring	Silicone Rubber
Nut	Al Alloy,Nickel Plated
Operating Temperature	From -50°C to +125°C
Insulation Resistance	5000MΩ Min
Test Potential	2000VAC
IP-Class	IP67
Suitable pin/socket type	16# Contact(Ø1.58mm)

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 Fractions ±1/64
3 PL DEC ±0.10 Angles ±1°

签名 SIGNATURE		日期 DATE
制图 DRAWN	TOM	15-May-10
审核 CHECKED	POTER	18-May-10
工艺 ENGINEER		
批准 APPROVAL	FOUNT	18-May-10
客户 CUSTOMER	CUSTOMER	

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

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SINE Systems Corporation
A Subsidiary of Amphenol Corporation

RECEPTACLE,JAM NUT,PIN,23POS,SIZE 18

DWG NO: RT071823PNH03

第三角投影 THIRD ANGLE PROJECTION	文件编号 FSCM NO.	幅面 SIZE	质量 MASS	版次 REV.	比例 SCALE
		A4		01	

SHEET 1 OF 1 NEXT ASS'Y:

ecomate® Aquarius™, Aquarius™ Fathom Lock, RM and RSSM Series

Size 16 Contact & Tooling Options

Machined, Crimp Contacts				
PN: Male	**PN: Female**	**Wire Range (AWG)**	**Wire Range (mm²)**	**Plating**
MP14M23F	MS14M23F	14AWG	2.5mm²	Gold Flash
MP14M23G5	MS14M23G5	14AWG	2.5mm²	Gold 5µ"
MP14M23G10	MS14M23G10	14AWG	2.5mm²	Gold 10µ"
MP14M23G15	MS14M23G15	14AWG	2.5mm²	Gold 15µ"
MP14M23G30	MS14M23G30	14AWG	2.5mm²	Gold 30µ"
MP14M23GE1T	-	14AWG - 16AWG	2.5mm² - 1.5mm²	Tin
MP14M23GE1S	-	14AWG - 16AWG	2.5mm² - 1.5mm²	Silver
MP14M23GE1F	-	14AWG - 16AWG	2.5mm² - 1.5mm²	Gold Flash
MP14M23GE1G10	-	14AWG - 16AWG	2.5mm² - 1.5mm²	Gold 10µ"
MP14M23GE1G15	-	14AWG - 16AWG	2.5mm² - 1.5mm²	Gold 15µ"
MP14M23GE1G30	-	14AWG - 16AWG	2.5mm² - 1.5mm²	Gold 30µ"
MP16M23F	MS16M23F	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold Flash
MP16M23G5	MS16M23G5	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 5µ"
MP16M23G10	MS16M23G10	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 10µ"
MP16M23G15	MS16M23G15	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 15µ"
MP16M23G30	MS16M23G30	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 30µ"
MP16M23GE1T	-	16AWG - 18AWG	1.5mm² - 0.75mm²	Tin
MP16M23GE1S	-	16AWG - 18AWG	1.5mm² - 0.75mm²	Silver
MP16M23GE1F	-	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold Flash
MP16M23GE1G10	-	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 10µ"
MP16M23GE1G15	-	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 15µ"
MP16M23GE1G30	-	16AWG - 18AWG	1.5mm² - 0.75mm²	Gold 30µ"
MP20M23F	MS20M23F	20AWG - 22AWG	0.50mm² - 0.34mm²	Gold Flash
MP20M23G5	MS20M23G5	20AWG - 22AWG	0.50mm² - 0.34mm²	Gold 5µ"
MP20M23G10	MS20M23G10	20AWG - 22AWG	0.50mm² - 0.34mm²	Gold 10µ"
MP20M23G15	MS20M23G15	20AWG - 22AWG	0.50mm² - 0.34mm²	Gold 15µ"
MP20M23G30	MS20M23G30	20AWG - 22AWG	0.50mm² - 0.34mm²	Gold 30µ"
MP24M23F	MS24M23F	24AWG - 26AWG	0.25mm² - 0.14mm²	Gold Flash
MP24M23G5	MS24M23G5	24AWG - 26AWG	0.25mm² - 0.14mm²	Gold 5µ"
MP24M23G10	MS24M23G10	24AWG - 26AWG	0.25mm² - 0.14mm²	Gold 10µ"
MP24M23G15	MS24M23G15	24AWG - 26AWG	0.25mm² - 0.14mm²	Gold 15µ"
MP24M23G30	MS24M23G30	24AWG - 26AWG	0.25mm² - 0.14mm²	Gold 30µ"

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

Machined, Tooling	
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

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

Contact Options	
Symbol	**Details**
GE1	Longer contact used to establish ground / first mate-last break within connector

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