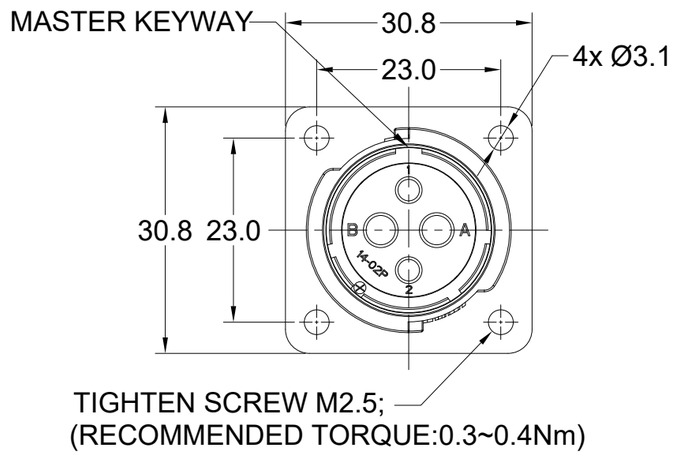
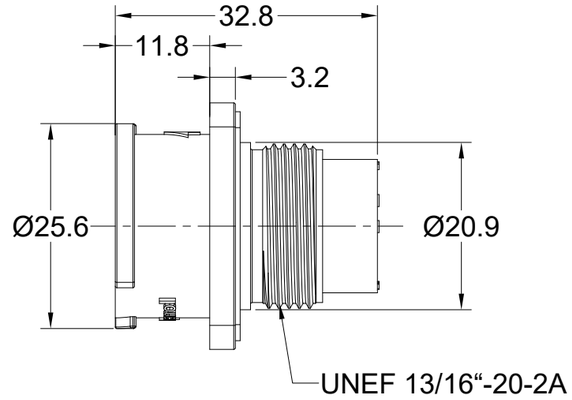
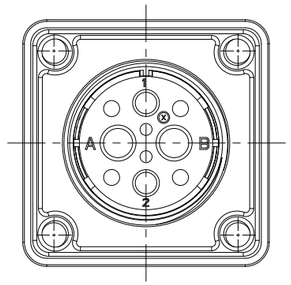
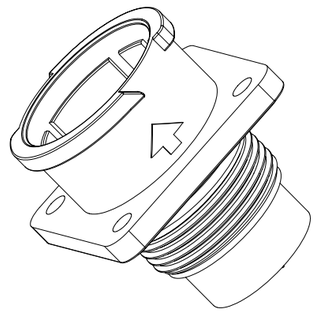
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	FIRST RELEASED	NOV-23-2021	BLINK	TOMMY
A2	--	ADD IP68	APR-26-2023	JUN	TOMMY
A3	--	UPDATED SUITABLE CONTACT NOTE	MAY-16-2023	RO	RO



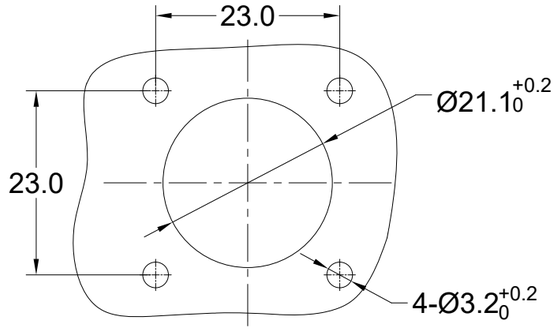






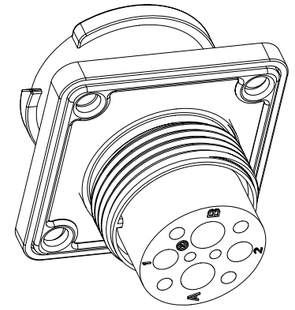
NOTES：(UNLESS OTHERWISE SPECIFIED)

1. MATERIAL：
   SHELL：THERMOPLASTIC，BLACK，UL94 V-0.
   INSERT：THERMOPLASTIC，BLACK，UL94 V-0.
   SEAL GASKET：SILICONE RUBBER，RED.
2. SPECIFICATIONS：
   2.1 RATED CURRENT：SEE TABLE 2.
   2.2 RATED VOLTAGE：SEE TABLE 2.
   2.3 OPERATING TEMPERATURE：-40°C~125°C.
   2.4 DIELECTRIC WITHSTANDING VOLTAGE：SEE TABLE1.
   2.5 INSULATION RESISTANCE：5000 MEGOHMS MIN.
   2.6 IP--CLASS：IP67,IP68 AND IP69K IN MATED CONDITION.
   2.7 MATING CYCLES DURABILITY：500 CYCLES MIN.
   2.8 RoHS COMPLIANT.
3. SUITABLE CONTACTS ： SEE TABLE 2.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



RECOMMENDED PANEL
MOUNTING HOLE

RECOMMENDED PANEL
THICKNESS 5.0MM MAX



QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

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1) All dimensions are in metric(mm).
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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:	JUN	APR-26-2023
CHECKED:	JOE	APR-28-2023
ENGINEER:		
APPROVAL:	TOMMY	MAY-02-2023
CUSTOMER:		

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Amphenol

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44724 Morley Drive
Clinton Township, MI 48036

EcoMate Aquarius,RECEPTACLE, SQUARE FLANGE,
xx POSITION, MALE,SHELL SIZE 14,WITH SEAL GASKET

SIZE	TYPE	DWG NO:	REVISION
B	C-	FLS014xxxP03-PM	A3

SCALE: NONE SHEET 1 OF 5

TITLE: EcoMate Aquarius,RECEPTACLE, SQUARE FLANGE, xx POSITION, MALE,SHELL SIZE 14,WITH SEAL GASKET
DWG NO: FLS014xxxP03-PM
REV: A3
SH: 1
OF: 1

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	FIRST RELEASED	NOV-23-2021	BLINK	TOMMY
A2	--	ADD IP68	APR-26-2023	JUN	TOMMY
A3	--	UPDATED SUITABLE CONTACT NOTE	MAY-16-2023	RO	RO

ORDERING INFORMATION：

FLS014xxxP03-PM

PROTECTION KEY:(SEE TABLE 1)：
- N KEY(STANADRD VERSION)
- W KEY
- X KEY
- Y KEY
- Z KEY

STANDS FOR INSERT ARRANGEMENT：
- 2 - 4(2+2) CORES.
- 3 - 3 CORES.
- 4 - 4 CORES.
- 7 - 7 CORES.
- 8 - 8 CORES.
- 12 - 12 CORES.
- 19 - 19 CORES.

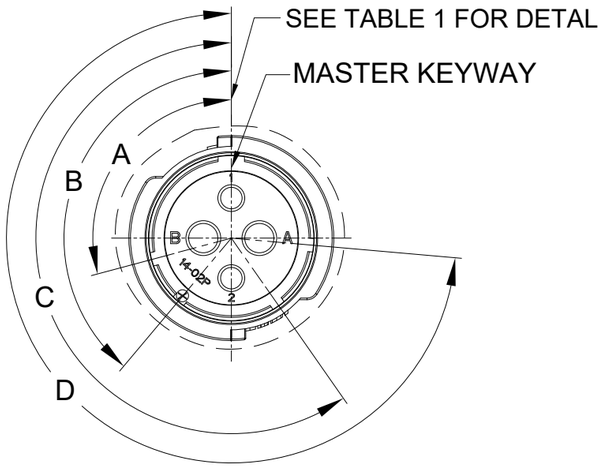


TABLE 1:

KEY POS	A	B	C	D
N	105°	140°	215°	265°
W	60°	140°	215°	265°
X	105°	160°	215°	265°
Y	105°	140°	225°	265°
Z	105°	140°	215°	295°

QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

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3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	JUN	APR-26-2023
CHECKED:	JOE	APR-28-2023
ENGINEER:		
APPROVAL:	TOMMY	MAY-02-2023
CUSTOMER:		

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EcoMate Aquarius,RECEPTACLE, SQUARE FLANGE,
xx POSITION, MALE,SHELL SIZE 14,WITH SEAL GASKET

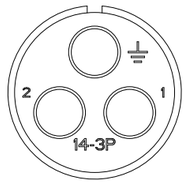
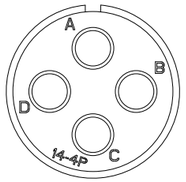
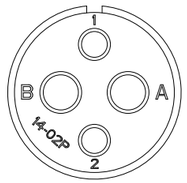
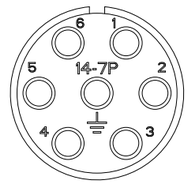
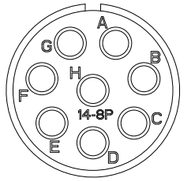
SIZE	TYPE	DWG NO:	REVISION
B	C-	FLS014xxxP03-PM	A3

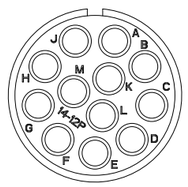
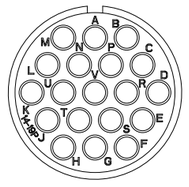
SCALE: NONE SHEET 2 OF 5

TITLE: EcoMate Aquarius RECEPTACLE SQUARE FLANGE, xx POSITION, MALE SHELL SIZE 14 WITH SEAL GASKET
DWG NO: FLS014xxxP03-PM
REV: A3
SH: 1
OF: 1

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	FIRST RELEASED	NOV-23-2021	BLINK	TOMMY
A2	--	ADD IP68	APR-26-2023	JUN	TOMMY
A3	--	UPDATED SUITABLE CONTACT NOTE	MAY-16-2023	RO	RO

TABLE 2:

PART NUMBER	FLS014x3P03-PM	FLS014x4P03-PM	FLS014x2P03-PM	FLS014x7P03-PM	FLS014x8P03-PM
MALE INSERT ARRANGEMENT FRONT VIEW					
SUITABLE CONTACTS	3 x Size 8 (3.6mm²)	4 x Size 12 (2.5mm²)	2 x Size 16 (1.5mm²) 2 x Size 12 (2.5mm²)	7 x Size 16 (1.5mm²)	8 x Size 16 (1.5mm²)
RATED CURRENT	45A	25A-MACHINED CONT. 23A-STAMPED CONT.	(2.5mm) 25A-MACHINED CONT. (2.5mm) 23A-STAMPED CONT. (16#)13A	13A	13A
RATED VOLTAGE	600V AC/DC	500V AC/DC	500V AC/DC	500V AC/DC	500V AC/DC
DIELECTRIC WITHSTANDING VOLTAGE	2200V AC	2000V AC	2000V AC	2000V AC	2000V AC

PART NUMBER	FLS014x12P03-PM	FLS014x19P03-PM
MALE INSERT ARRANGEMENT FRONT VIEW		
SUITABLE CONTACTS	16# CONTACTS	20# CONTACTS
RATED CURRENT	13A	7.5A-MACHINED CONT. 5A-STAMPED CONT.
RATED VOLTAGE	500V AC/DC	250V AC/DC
DIELECTRIC WITHSTANDING VOLTAGE	2000V AC	1500V AC

QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

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3 PL DEC ±0.08
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	JUN	APR-26-2023
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APPROVAL:	TOMMY	MAY-02-2023
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EcoMate Aquarius,RECEPTACLE, SQUARE FLANGE,
xx POSITION, MALE,SHELL SIZE 14,WITH SEAL GASKET

SIZE	TYPE	DWG NO:	REVISION
B	C-	FLS014xxxP03-PM	A3

SCALE: NONE SHEET 3 OF 5

TITLE: EcoMate Aquarius RECEPTACLE SQUARE FLANGE, xx POSITION, MALE SHELL SIZE 14 WITH SEAL GASKET
DWG NO: FLS014xxxP03-PM
REV: A3
SH: 1
OF: 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 3.6mm Options (1403 Insert Arrangement)

Machined, Crimp Contacts					
Part Number		Contact Size (AWG)	Wire Range (mm²)	For Use w End Cap	Plating
Male	Female				
MP10A23T-10	MS10A23T-10	8AWG	10.0 mm²	No	Tin
MP10A23S-10	MS10A23S-10	8AWG	10.0 mm²	No	Silver
MP10A23F-10	MS10A23F-10	8AWG	10.0 mm²	No	Gold Flash
MP10A23G5-10	MS10A23G5-10	8AWG	10.0 mm²	No	Gold 5µ"
MP10A23G10-10	MS10A23G10-10	8AWG	10.0 mm²	No	Gold 10µ"
MP10A23G15-10	MS10A23G15-10	8AWG	10.0 mm²	No	Gold 15µ"
MP10A23G30-10	MS10A23G30-10	8AWG	10.0 mm²	No	Gold 30µ"
MP10A23S-63	MS10A23S-63	12-10AWG	4.0 - 6.0 mm²	No	Silver
MP10A23F-63	MS10A23F-63	12-10AWG	4.0 - 6.0 mm²	No	Gold Flash
MP10A23TL	MS10A23T	12-10AWG	3.0 - 6.0 mm²	Yes	Tin
MP10A23SL	MS10A23S	12-10AWG	3.0 - 6.0 mm²	Yes	Silver
MP10A23FL	MS10A23F	12-10AWG	3.0 - 6.0 mm²	Yes	Gold Flash
MP10A23G5L	MS10A23G5	12-10AWG	3.0 - 6.0 mm²	Yes	Gold 5µ"
MP10A23G10L	MS10A23G10	12-10AWG	3.0 - 6.0 mm²	Yes	Gold 10µ"
MP10A23G15L	MS10A23G15	12-10AWG	3.0 - 6.0 mm²	Yes	Gold 15µ"
MP10A23G30L	MS10A23G30	12-10AWG	3.0 - 6.0 mm²	Yes	Gold 30µ"
MP10A23S-25	MS10A23S-25	16-14AWG	1.5 - 2.5 mm²	No	Silver
MP10A23F-25	MS10A23F-25	16-14AWG	1.5 - 2.5 mm²	No	Gold Flash

Machined, Tooling	
Part Number	Description
QXRT08	Contact Extraction Tool, # 8 (Ø 3.6mm) Contact
M300BT	Hand Crimper
WA27-300BT-EP	Pneumatic Crimper
TP968	Locator M3200BT and WA27-300BT-EP

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")