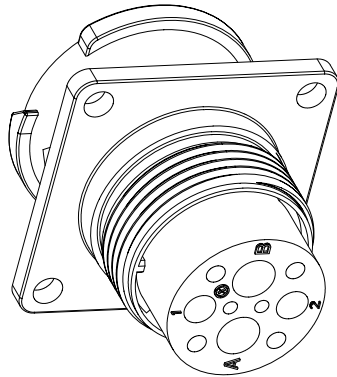
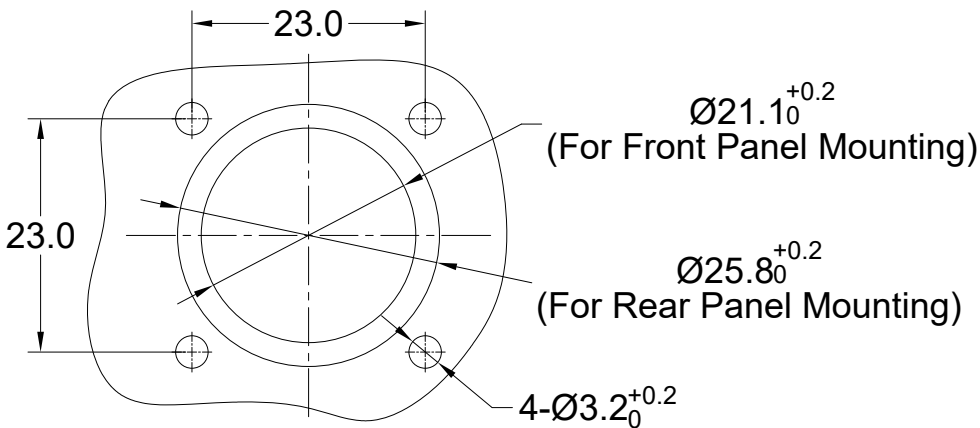
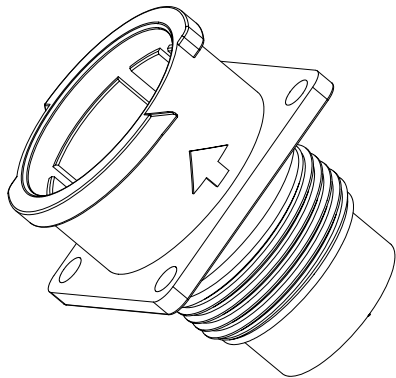
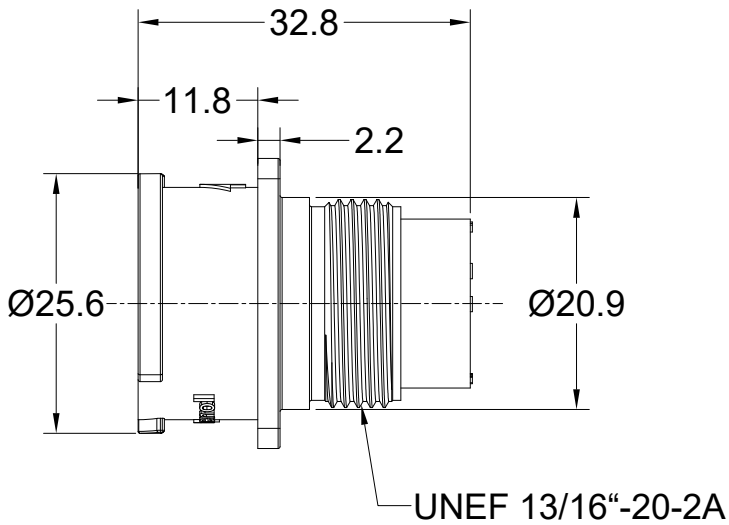
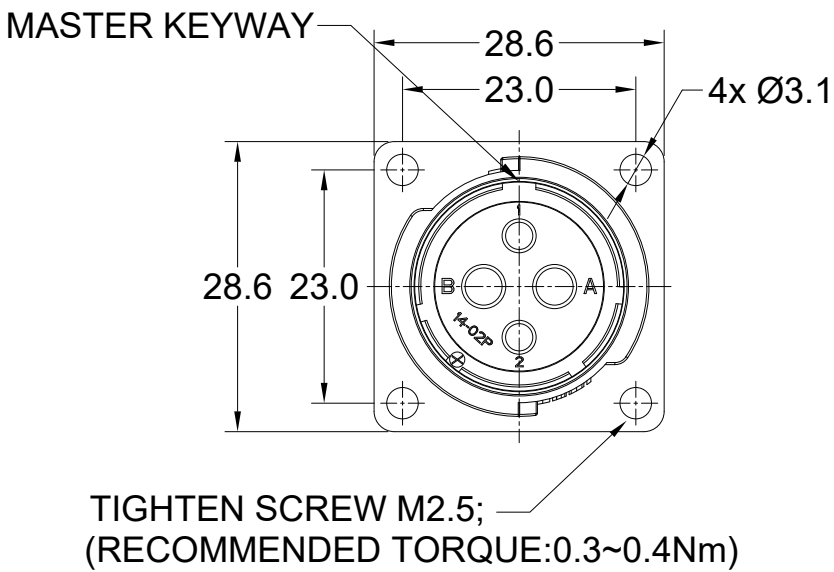




NOTES: (UNLESS OTHERWISE SPECIFIED)

- MATERIAL:
SHELL: THERMOPLASTIC, BLACK, UL94 V-0.
INSERT: THERMOPLASTIC, BLACK, UL94 V-0.
- 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 TABLE 1.
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.
- SUITABLE CONTACTS : SEE TABLE 2.
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

RECOMMENDED PANEL
MOUNTING HOLE

RECOMMENDED PANEL
THICKNESS 5.0MM MAX

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

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 = 		SIGNATURES DRAWN: JUN CHECKED: JOE ENGINEER: APPROVAL: TOMMY CUSTOMER: THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.	DATE APR-26-2023 APR-28-2023 MAY-02-2023	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036
MATERIAL SPECIFICATIONS:		EcoMate Aquarius,RECEPTACLE, SQUARE FLANGE, xx POSITION, MALE,SHELL SIZE 14		
PROCESS SPECIFICATIONS:		SIZE B TYPE C- DWG NO: FLS014xxxP03 REVISION A3		
NEXT ASS'Y:		SCALE: NONE SHEET 1 OF 5		

TITLE: EcoMate Aquarius.RECEPTACLE, SQUARE FLANGE, xx POSITION, MALE,SHELL SIZE 14
DWG NO: FLS014xxxP03
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

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.

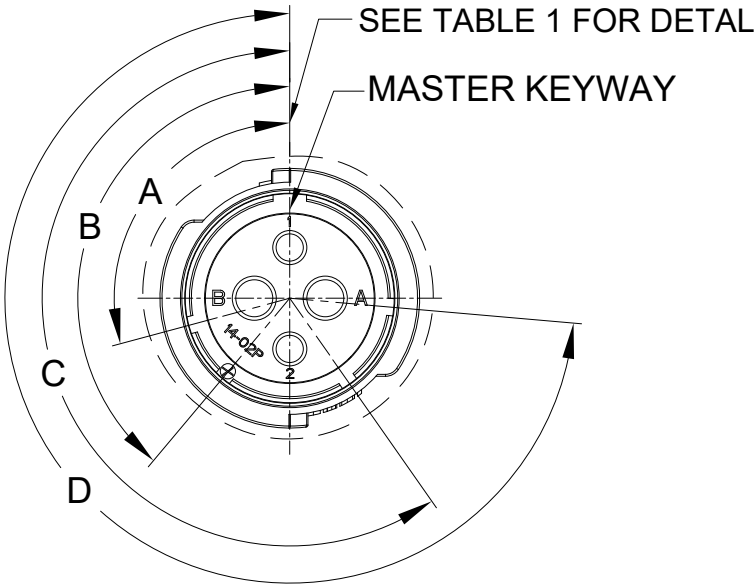


TABLE 1:

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				
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 Fractions ±1/64 Angles ±1° 3) Note reference = X		SIGNATURES DRAWN: JUN CHECKED: JOE ENGINEER: APPROVAL: TOMMY CUSTOMER: THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.	DATE APR-26-2023 APR-28-2023 MAY-02-2023	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036
MATERIAL SPECIFICATIONS:		EcoMate Aquarius,RECEPTACLE, SQUARE FLANGE, xx POSITION, MALE,SHELL SIZE 14		
PROCESS SPECIFICATIONS:		SIZE	TYPE	DWG NO.
		B	C-	FLS014xxxP03
NEXT ASS'Y:		SCALE: NONE		REVISION
				A3
		SHEET 2 OF 5		

ecomate® RM, RSSM and Aquarius™ Series
Size 3.6mm Contact & Tooling Options (1403 Insert Arrangement)

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