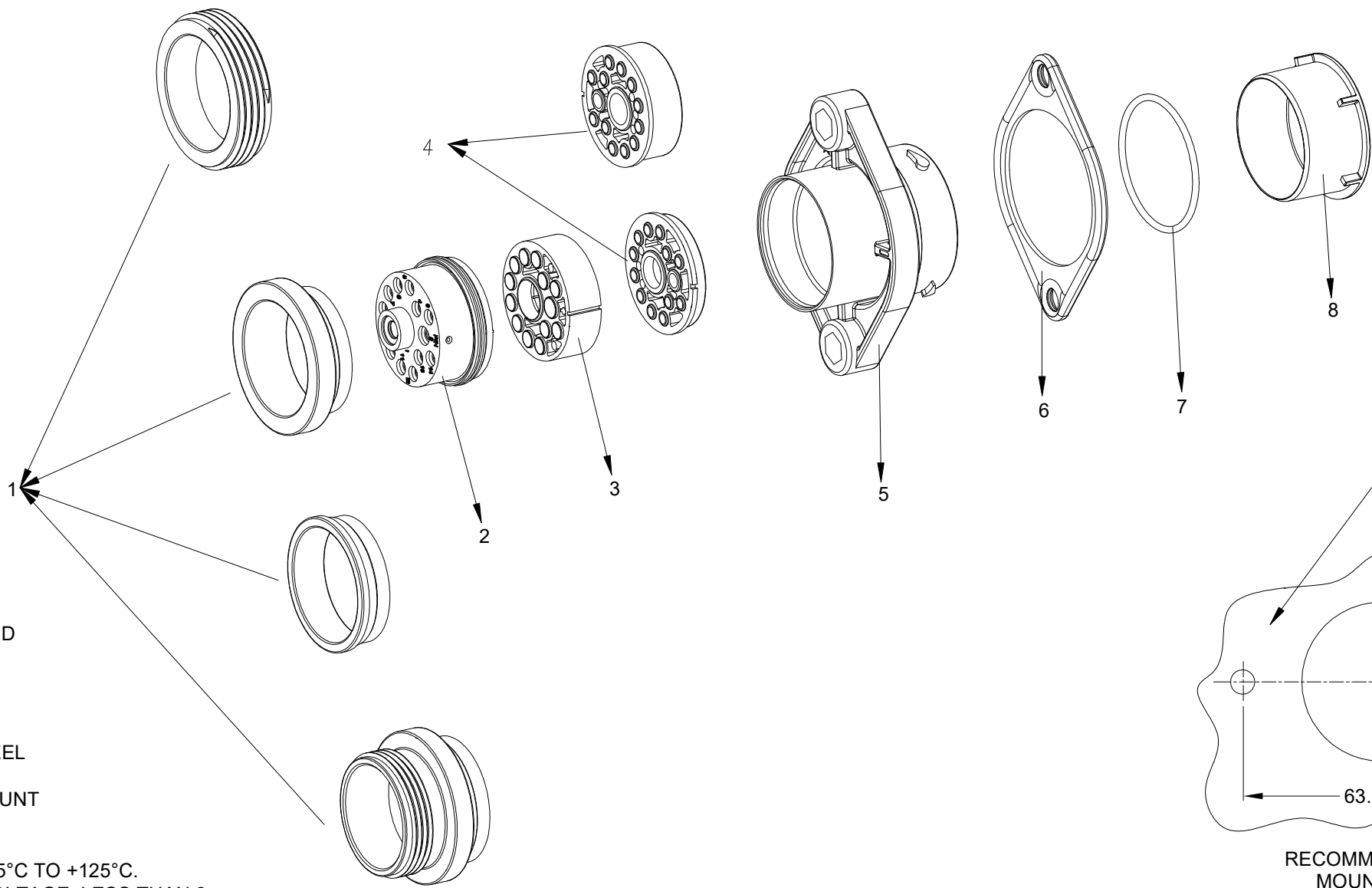


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	Apr/07/23	LUCAS	TOMMY



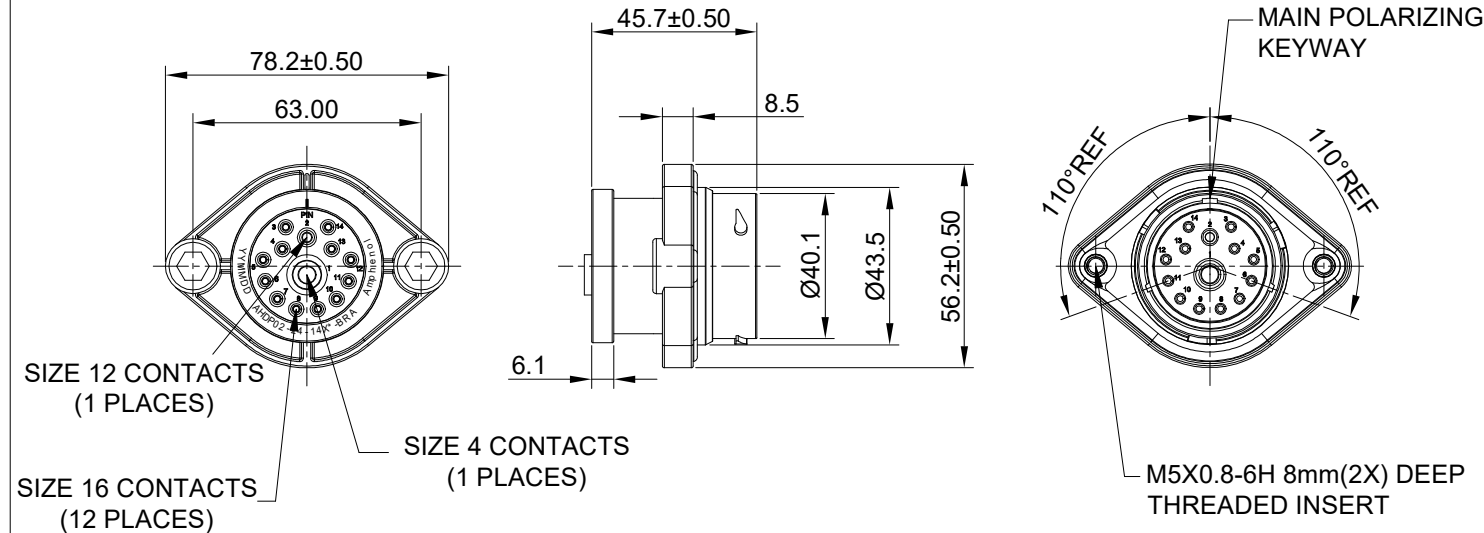
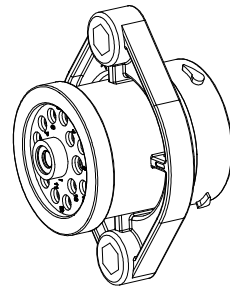
NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
HOUSING: THERMOPLASTIC; BLACK
SEAL: SILICONE RUBBER
THREADED INSERT: STAINLESS STEEL
2. MODIFICATIONS:SEALED PANEL MOUNT
3. SPECIFICATIONS:
3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
3.4 MOISTURE RESISTANCE:
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);
IP69K(MATED CONDITION)
3.5 MATING CYCLE DURABILITY: 100 CYCLES
3.6 RoHS COMPLIANT
4. MATING PART: AHDP06-24-14X* (X* = ALL MODIFICATIONS)
5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
6. RECEPTACLE IS SUPPLIED WITH DUST CAP (NOT SHOWN)

7 CONTACT SIZE AND WIRE RANGE:SEE TABLE 1

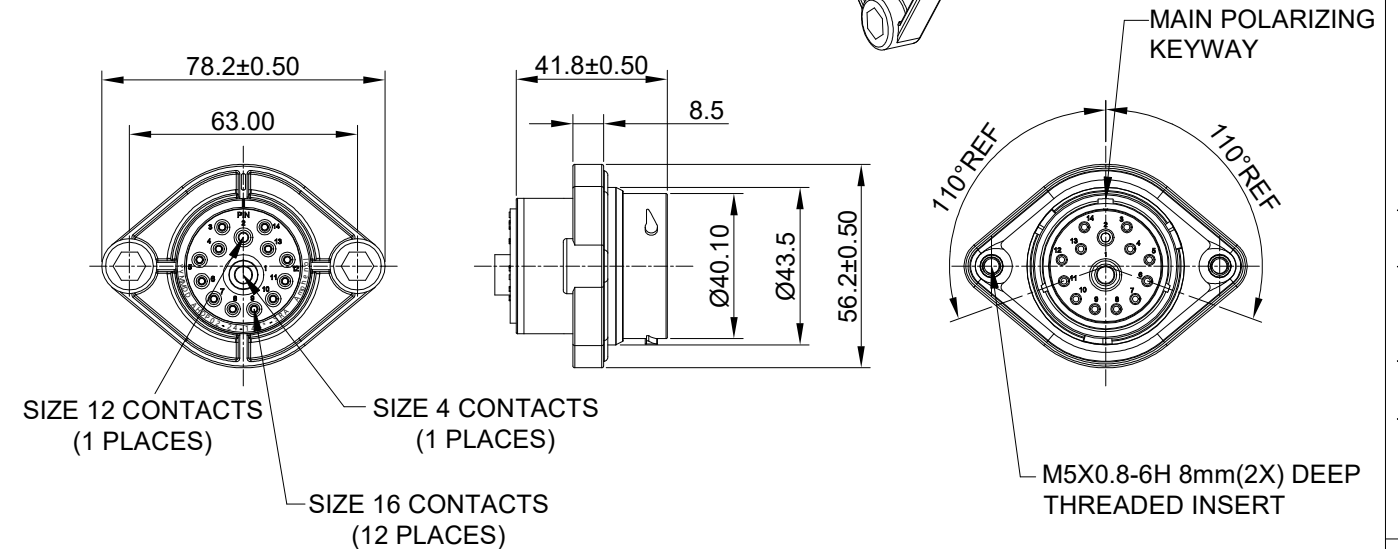
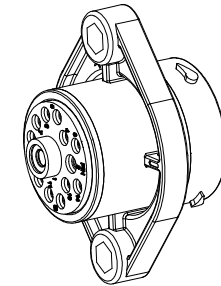
PART NUMBER		DESCRIPTION		ITEM
QUANTITY		MATERIALS LIST		
UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE	
1) All dimensions are in metric(mm).		DRAWN: LUCAS.CHAI	Apr/07/23	
2) Tolerances are as follows:		CHECKED: ORION.LI	Apr/10/23	
1 PL DEC ±0.30		ENGINEER:		
2 PL DEC ±0.15		APPROVAL: TOMMY.XIE	Apr/12/23	
3 PL DEC ±0.08		CUSTOMER:		
3) Note reference =		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.		
MATERIAL SPECIFICATIONS:		SIZE B C-		
PROCESS SPECIFICATIONS:		DWG NO: AHDP02-24-14XX-XXX		
NEXT ASSY:		REVISION A1		
		SCALE: NONE		
		SHEET 1 OF 4		

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	Apr/07/23	LUCAS	TOMMY



AHDPO2-24-14X*-BRA

RECOMMENDED TORQUE
VALUES:1.9-2.2 N.m



AHDP02-24-14X*-SRA

RECOMMENDED TORQUE
VALUES:1.9-2.2 N.m

BOM:

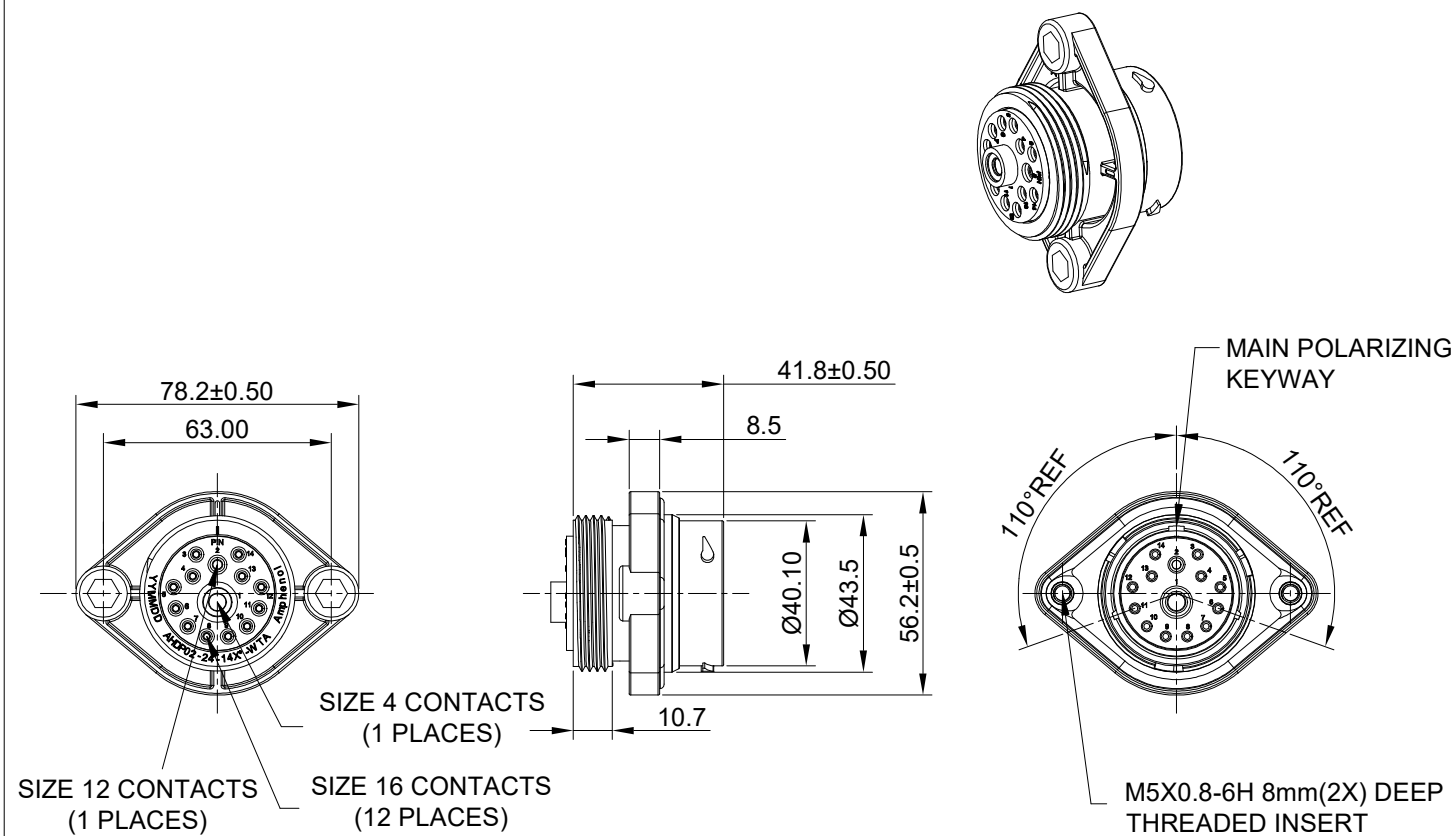
8	DUST CAP,RED	1	1	1	1
7	O-RING	1	1	1	1
6	GASKET,SIZE 24,AHDP	1	1	1	1
5	SHELL,PANEL MOUNT,SIZE24,BLK	1	1	1	1
4	HOUSING FRONT,SOC,14POS		1 ▲		1 ▲
	HOUSING FRONT,PIN,14POS	1 ▲		1 ▲	
3	INSULATOR,14POS	1	1	1	1
2	WIRE SEAL,PIN,ST,14POS	1 ▲			
	WIRE SEAL,SOC,ST,14POS		1 ▲		
	WIRE SEAL,PIN,RD,14POS			1 ▲	
	WIRE SEAL,SOC,RD,14POS				1 ▲
1	RETAINING RING,GRN,BRA	1 ▲	1 ▲	1 ▲	1 ▲
	RETAINING RING,BLU,BRA				
ITEM	DESCRIPTION	AHDP02-24-14PN-BRA	AHDP02-24-14SN-BRA	AHDP02-24-14PR-BRA	AHDP02-24-14SR-BRA
		VIEW A	VIEW B	VIEW C	VIEW D

BOM:

8	DUST CAP,RED	1	1	1	1
7	O-RING	1	1	1	1
6	GASKET,SIZE 24,AHDP	1	1	1	1
5	SHELL,PANEL MOUNT,SIZE24,BLK	1	1	1	1
4	HOUSING FRONT,SOC,14POS		1▲		1▲
	HOUSING FRONT,PIN,14POS	1▲		1▲	
3	INSULATOR,14POS	1	1	1	1
2	WIRE SEAL,PIN,ST,14POS	1▲			
	WIRE SEAL,SOC,ST,14POS		1▲		
	WIRE SEAL,PIN,RD,14POS			1▲	
	WIRE SEAL,SOC,RD,14POS				1▲
1	RETAINING RING,GRN,BRA	1▲	1▲	1▲	1▲
	RETAINING RING,BLU,BRA				
ITEM	DESCRIPTION	AHDP02-24-14PN-SRA	AHDP02-24-14SN-SRA	AHDP02-24-14PR-SRA	AHDP02-24-14SR-SRA
		VIEW A	VIEW B	VIEW C	VIEW D

	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	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 $\pm 1/64$ Angles $\pm 1^\circ$ 3) Note reference = 	SIGNATURES DRAWN: LUCAS,CHAI CHECKED: ORION,LI ENGINEER: APPROVAL: TOMMY,XIE CUSTOMER:	DATE Apr/07/23 Apr/10/23 Apr/12/23	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 RECEPTACLE, 14 POS, PANELMATE, SIZE 24, AHDP
MATERIAL SPECIFICATIONS:			
PROCESS SPECIFICATIONS:	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.		
NEXT ASSY:	SIZE B	TYPE C-	DWG NO. AHDP02-24-14XX-XXX
	SCALE: NONE	REVISION A1	SHEET 2 OF 4

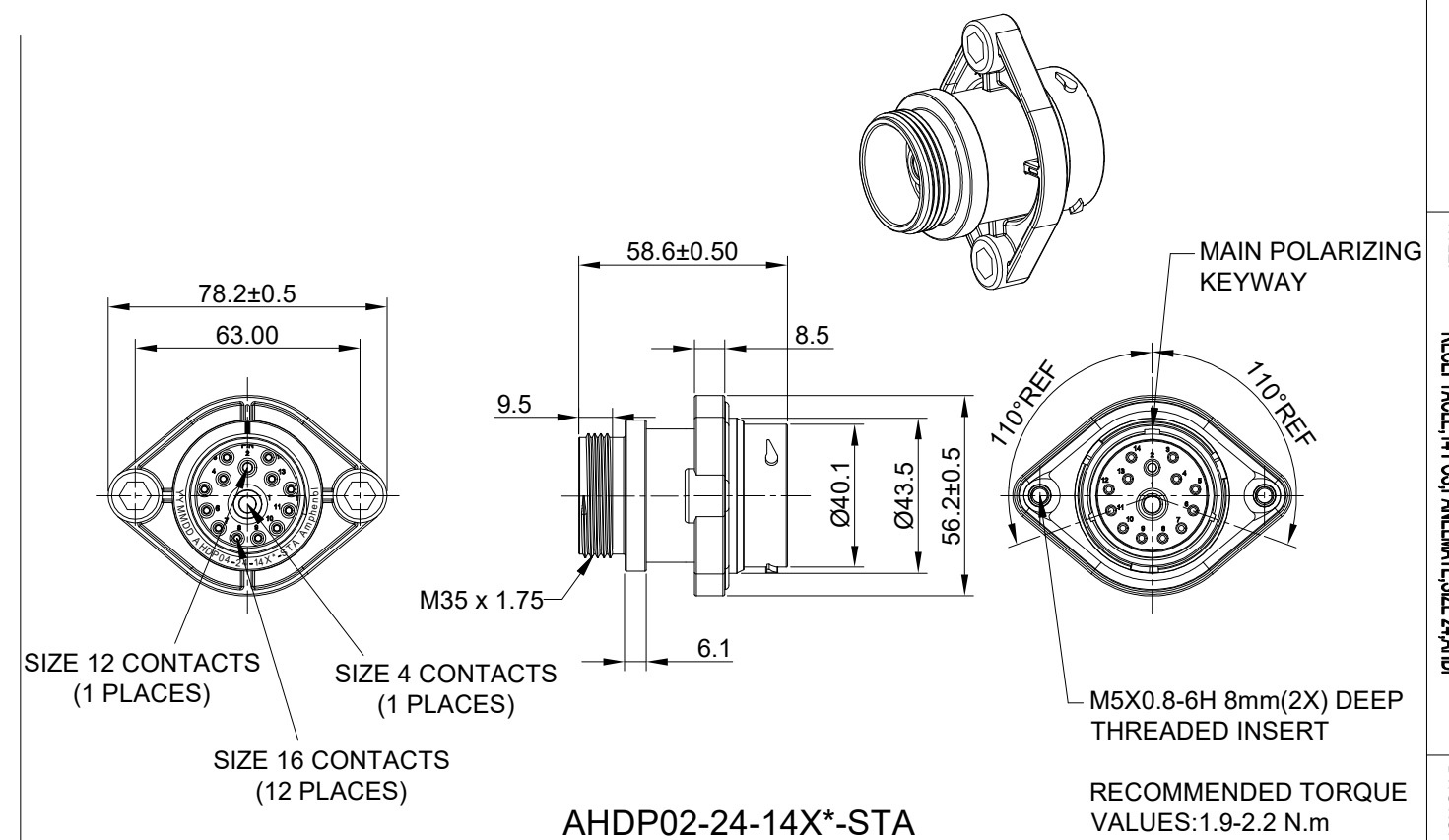
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	Apr/07/23	LUCAS	TOMMY



AHDPO2-24-14X*-WTA

BOM:

8	DUST CAP,RED	1	1	1	1
7	O-RING	1	1	1	1
6	GASKET ,SIZE 24,AHDP	1	1	1	1
5	SHELL,PANEL MOUNT,SIZE24,BLK	1	1	1	1
4	HOUSING FRONT,SOC,14POS		1▲		1▲
	HOUSING FRONT,PIN,14POS	1▲		1▲	
3	INSULATOR,14POS	1	1	1	1
2	WIRE SEAL,PIN,ST,14POS	1▲			
	WIRE SEAL,SOC,ST,14POS		1▲		
	WIRE SEAL,PIN,RD,14POS			1▲	
	WIRE SEAL,SOC,RD,14POS				1▲
1	RETAINING RING,GRN,BRA	1▲	1▲		
	RETAINING RING,BLU,BRA			1▲	1▲
ITEM	DESCRIPTION	AHDP02-24-14PN-WTA	AHDP02-24-14SN-WTA	AHDP02-24-14PR-WTA	AHDP02-24-14SR-WTA
		VIEW A	VIEW B	VIEW C	VIEW D



AHDP02-24-14X*-STA

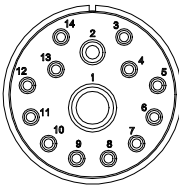
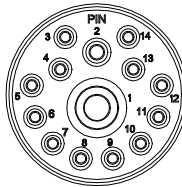
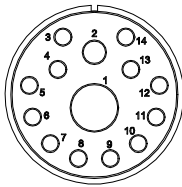
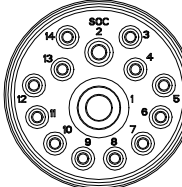
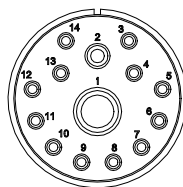
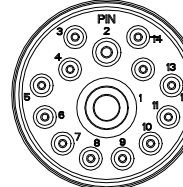
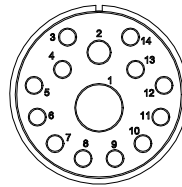
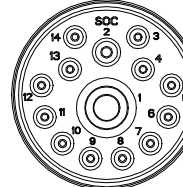
BOM:

8	DUST CAP,RED	1	1	1	1
7	O-RING	1	1	1	1
6	GASKET,SIZE 24,AHDP	1	1	1	1
5	SHELL,PANEL MOUNT,SIZE24,BLK	1	1	1	1
4	HOUSING FRONT,SOC,14POS		1▲		1▲
	HOUSING FRONT,PIN,14POS	1▲		1▲	
3	INSULATOR,14POS	1	1	1	1
2	WIRE SEAL,PIN,ST,14POS	1▲			
	WIRE SEAL,SOC,ST,14POS		1▲		
	WIRE SEAL,PIN,RD,14POS			1▲	
	WIRE SEAL,SOC,RD,14POS				1▲
1	RETAINING RING,GRN,BRA	1▲	1▲	1▲	1▲
	RETAINING RING,BLU,BRA				
ITEM	DESCRIPTION	AHDP02-24-14PN-STA	AHDP02-24-14SN-STA	AHDP02-24-14PR-STA	AHDP02-24-14SR-STA
		VIEW A	VIEW B	VIEW C	VIEW D

		PART NUMBER		DESCRIPTION		ITEM	
QUANTITY		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: LUCAS.CHAJ CHECKED: ORION.LJ ENGINEER: APPROVAL: TOMMY.XIE CUSTOMER:		DATE Apr/07/23 Apr/10/23 Apr/12/23		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 RECEPTACLE, 14 POS, PANELMATE, SIZE 24, AHDP	
MATERIAL SPECIFICATIONS:				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.		SIZE B TYPE C- DWG NO: AHDP02-24-14XX-XXX REVISION A1	
PROCESS SPECIFICATIONS:				SCALE: NONE		SHEET 3 OF 4	
NEXT ASSY:							

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	—	RELEASE NEW DRAWING	Apr/07/23	LUCAS	TOMMY

TABLE 1 :

NORMAL DIMENSION SEAL								REDUCED DIMENSION SEAL							
VIEW A				VIEW B				VIEW C				VIEW D			
FRONT		REAR		FRONT		REAR		FRONT		REAR		FRONT		REAR	
															
PIN CONTACT				SOCKET CONTACT				PIN CONTACT				SOCKET CONTACT			
CONTACT SIZE AND WIRE RANGE:				CONTACT SIZE AND WIRE RANGE:				CONTACT SIZE AND WIRE RANGE:				CONTACT SIZE AND WIRE RANGE:			
CONTACT SIZE	MIN.INSUL O.D	MAX.INSUL O.D	WIRE RANGE mm²	CONTACT SIZE	MIN.INSUL O.D	MAX.INSUL O.D	WIRE RANGE mm²	CONTACT SIZE	MIN.INSUL O.D	MAX.INSUL O.D	WIRE RANGE mm²	CONTACT SIZE	MIN.INSUL O.D	MAX.INSUL O.D	WIRE RANGE mm²
4	6.63mm (.261")	7.41mm (.292")	6 AWG (16.0-13.0mm²)	4	6.63mm (.261")	7.41mm (.292")	6 AWG (16.0-13.0mm²)	4	6.63mm (.261")	7.41mm (.292")	6 AWG (16.0-13.0mm²)	4	6.63mm (.261")	7.41mm (.292")	6 AWG (16.0-13.0mm²)
12	3.43mm (.135")	4.32mm (.170")	10-14 AWG (6.0-2.0mm²)	12	3.43mm (.135")	4.32mm (.170")	10-14 AWG (6.0-2.0mm²)	12	2.46mm (.097")	4.01mm (.158")	10-14 AWG (6.0-2.0mm²)	12	2.46mm (.097")	4.01mm (.158")	10-14 AWG (6.0-2.0mm²)
16	2.54mm (.100")	3.40mm (.134")	14-20 AWG (2.0-0.5mm²)	16	2.54mm (.100")	3.40mm (.134")	14-20 AWG (2.0-0.5mm²)	16	1.35mm (.053")	3.05mm (.120")	14-20 AWG (2.0-0.5mm²)	16	1.35mm (.053")	3.05mm (.120")	14-20 AWG (2.0-0.5mm²)

PART NUMBER		DESCRIPTION		ITEM								
QUANTITY		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: LUCAS CHAI CHECKED: ORION LI ENGINEER: APPROVAL: TOMMY XIE 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/07/23 Apr/10/23 Apr/12/23	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 RECEPTACLE, 14 POS, PANELMATE, SIZE 24, AHDP <table><tr><td>SIZE</td><td>TYPE</td><td>DWG NO:</td><td>REVISION</td></tr><tr><td>B</td><td>C-</td><td>AHDP02-24-14XX-XXX</td><td>A1</td></tr></table> SCALE: NONE SHEET 4 OF 4	SIZE	TYPE	DWG NO:	REVISION	B	C-	AHDP02-24-14XX-XXX	A1
SIZE	TYPE	DWG NO:	REVISION									
B	C-	AHDP02-24-14XX-XXX	A1									
MATERIAL SPECIFICATIONS:												
PROCESS SPECIFICATIONS:												
NEXT ASSY:												