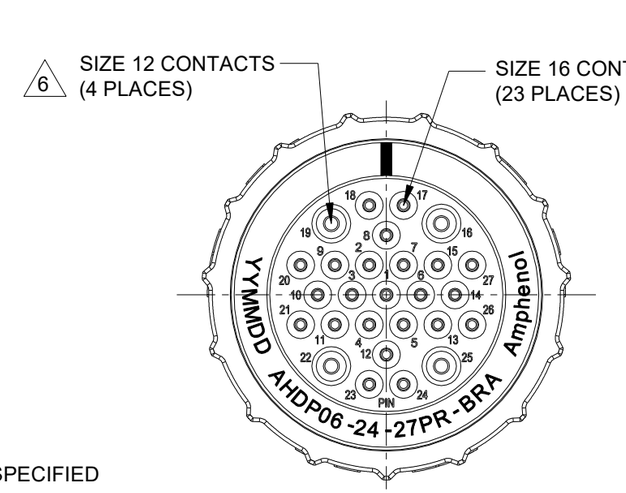
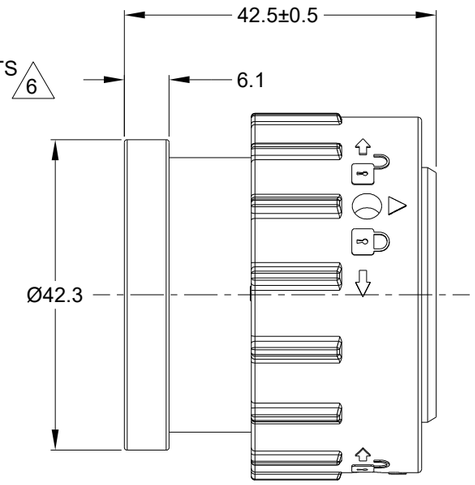
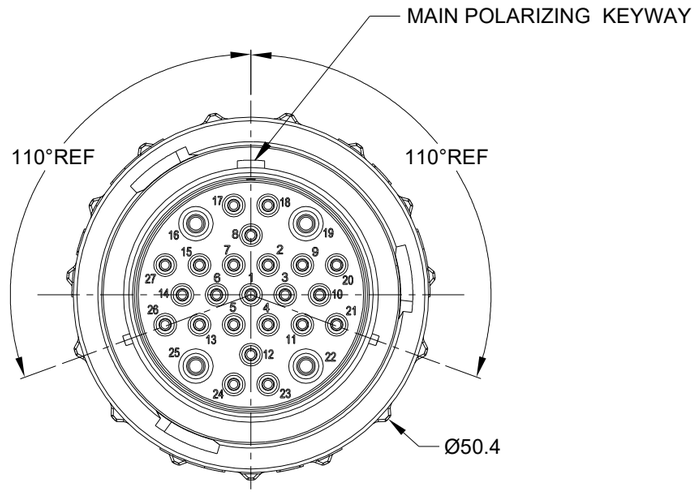
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	RELEASE NEW DRAWING	01/MAR/22	IAN	TOMMY







NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC; BLACK
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: BACKSHELL RING ADAPTER (BRA);
   REDUCED DIA. WIRE SEAL;

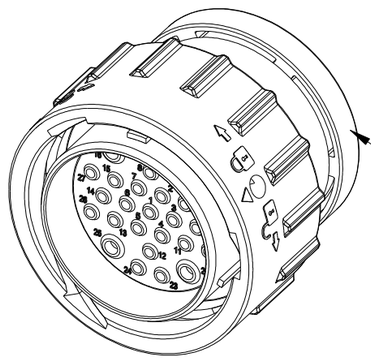
3. SPECIFICATIONS:
   3.1 OPERATING TEMPERATURE: -55°C TO +125°C.
   3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.3 INSULATION RESISTANCE: 1000 MEGOHM MIN @ 25°C.
   3.4 MOISTURE RESISTANCE:
   IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);
   IP69K(MATED CONDITION)
   3.5 MATING CYCLE DURABILITY: 100 CYCLES
   3.6 RoHS COMPLIANT

4. MATING PART: AHDP02-24-27S* & AHDP04-24-27S* (* = SEAL TYPE)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6 CONTACT SIZE AND WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
16	1.35 mm (.053 in)	2.62 mm (.103 in)	14-20 AWG (2.0-0.5mm²)	13 AMPS
12	2.46 mm (.097 in)	4.01 mm (.158 in)	10-14 AWG (6.0-2.0mm²)	25 AMPS



BACKSHELL RING ADAPTER
-BLUE

	AHDP06-24-27PR-BRA		
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:
WEIGHT: 57.6g

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	IAN.XIAO	01/MAR/22
CHECKED:	SULLEN.ZHANG	02/MAR/22
ENGINEER:		
APPROVAL:	TOMMY.XIE	03/MAR/22
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.

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

27POS,PLUG,PIN,24SZ,
RD SEAL,BRA,DURAMATE AHDP

SIZE	TYPE	DWG NO:	REVISION
B	C-	AHDP06-24-27PR-BRA	A1

SCALE: NONE | DURAMATE | SHEET 1 OF 1

TITLE: 27POS,PLUG,PIN,24SZ,RD SEAL,BRA,DURAMATE AHDP
DWG NO: AHDP06-24-27PR-BRA
REV: A1
SH: 1
OF: 1