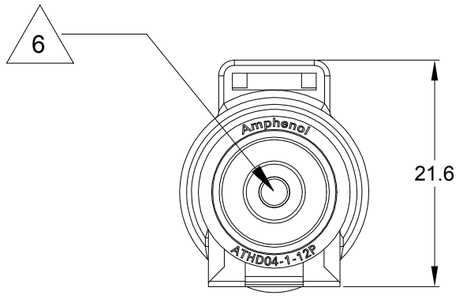
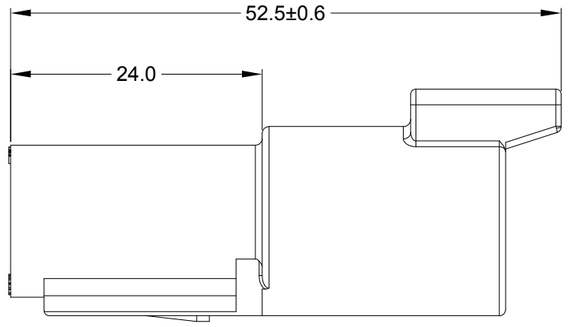
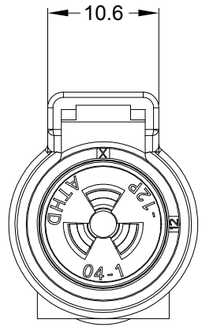
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	27MAY20	VITO	TOMMY
A2	-	CHANGE IP RATE FROM IP67 TO IP67&IP69K	27OCT20	VITO	TOMMY







NOTES: UNLESS OTHERWISE SPECIFIED

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

2. MODIFICAIONS: IN LINE

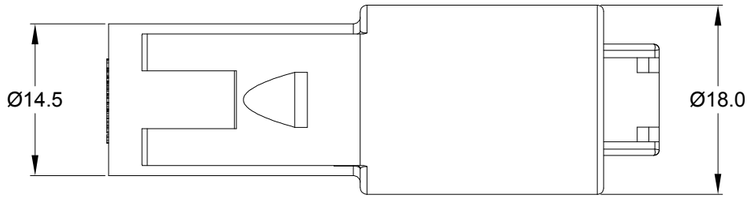
3. SPECIFICATIONS:
   3.1 CURRENT RATING: 25AMPS
   3.2 OPERATING TEMPERATURE: -55°C TO +125°C
   3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
   3.5 MOISTURE RESISTANCE: IP67&IP69K (MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

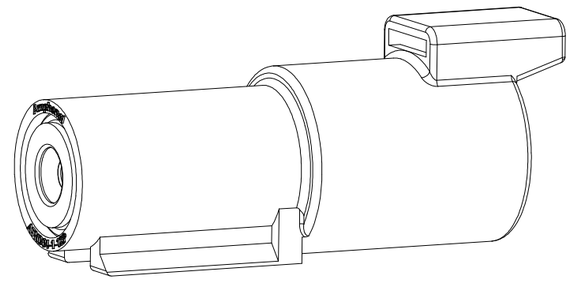
4. MATING PART:ATHD06-1-12S* PLUG
   (* = MODIFICATIONS)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

6. CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
12	3.40 mm (.134 in)	4.32 mm (.170 in)	10 - 14 AWG (5.0-2.0 mm²)





	ATHD04-1-12P		
	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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

SIGNATURES		DATE
DRAWN:	VITO	27/OCT/20
CHECKED:	ORION	28/OCT/20
ENGINEER:		
APPROVAL:	TOMMY	29/OCT/20
CUSTOMER:		

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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Amphenol

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

1 POS, RECEPTACLE, PIN,
ATHD SERIES, SIZE 12, BLACK

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATHD04-1-12P	A2

SCALE: NONE SHEET 1 OF 1

TITLE: 1 POS, RECEPTACLE, PIN, ATHD SERIES, SIZE 12, BLACK
DWG NO: ATHD04-1-12P
REV: A2
SH: 1
OF: 1