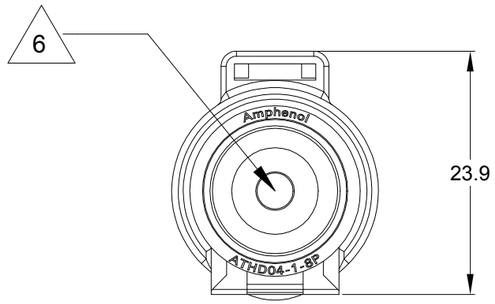
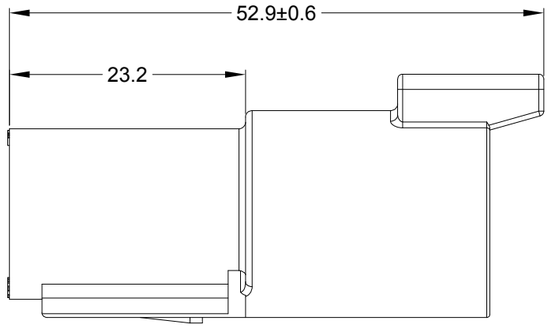
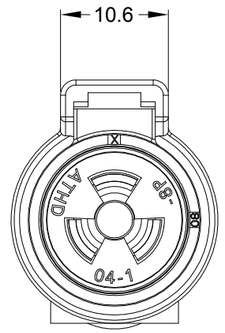
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	27MAY20	VITO	TOMMY
A2	-	CHANGE IP RATE FROM IP67 TO IP67&IP69K	27OCT20	VITO	TOMMY







NOTES: UNLESS OTHERWISE SPECIFIED

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

2. MODIFICAIONS:IN LINE

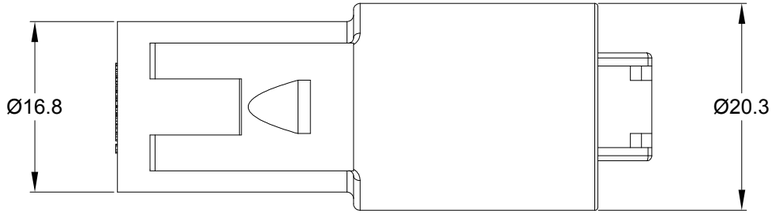
3. SPECIFICATIONS:
   3.1 CURRENT RATING: 60 AMPS
   3.2 OPERATING TEMPERATURE: -55°C TO +125°C
   3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
   3.5 MOISTURE RESISTANCE: IP67&IP69K (MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

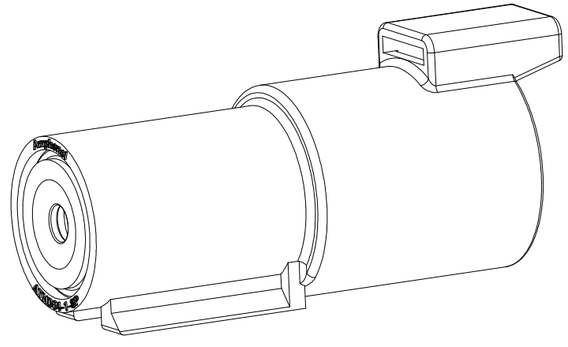
4. MATING PART:ATHD06-1-8S* PLUG
   (* = MODIFICATIONS)

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
08	4.83 mm (.190 in)	6.09 mm (.240 in)	8 - 10 AWG (8.0-5.0 mm²)





	ATHD04-1-8P		
	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 8, BLACK

SIZE	TYPE	DWG NO:	REVISION
B	C-	ATHD04-1-8P	A2

SCALE: NONE SHEET 1 OF 1

TITLE: 1 POS, RECEPTACLE, PIN, ATHD SERIES, SIZE 8, BLACK
DWG NO: ATHD04-1-8P
REV: A2
SH: 1
OF: 1

ARB, ATHD and DuraMate™ Series

Size 8 Contact & Tooling Options

Contacts - Machined

Part Number	Type	Style	Contact Size	Amp	Wire Range (AWG)	Wire Range (mm^2)	Insulation OD (mm)	Plating	Reel Size	Packaging
AT60-204-08141-16	Pin	Machined	Size 8	60A	6AWG	-	-	Nickel-Plated	-	-
AT60-204-08141	Pin	Machined	Size 8	60A	8-10AWG	-	-	Nickel-Plated	-	-
AT62-203-08141-16	Socket	Machined	Size 8	60A	6AWG	-	-	Nickel-Plated	-	-
AT62-203-08141	Socket	Machined	Size 8	60A	8-10AWG	-	-	Nickel-Plated	-	-

Tooling

Part Number	Tool Name	Style	Contact Size	Wire Range (AWG)	Material	Color
96-978-22	Crimper and Die	Machined	Size 3.6mm-10mm	$10mm^2$-$185mm^2$	n/a	n/a
AT114008	Contact Extraction Tool	Machined	Size 8	8-10AWG	Plastic	Green
WA23	Pneumatic Crimp Tool	Machined	-	8-0000AWG	-	-
WA23-2	WA23 Die Assembly for Pneumatic Crimp Tool	Machined	Size 8	8AWG	n/a	Silver
WA23-3	WA23 Die Assembly for Pneumatic Crimp Tool	Machined	Size 6	6AWG	n/a	n/a
WA23-10	WA23 Locator for Pneumatic Crimp Tool	Machined	Size 6	6AWG	n/a	Blue