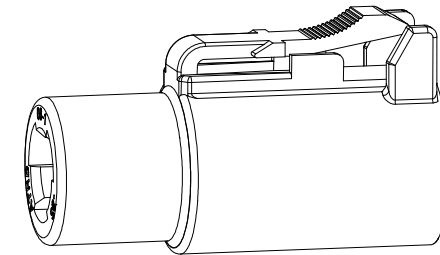
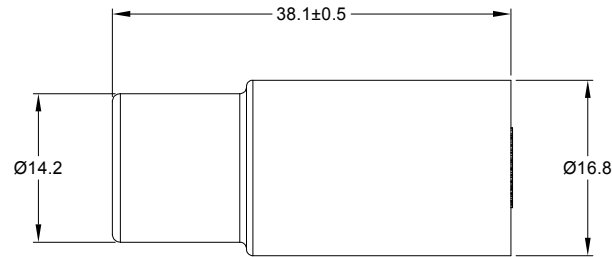
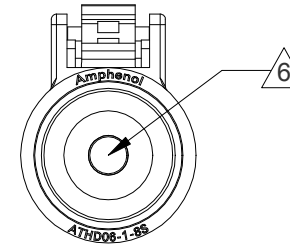
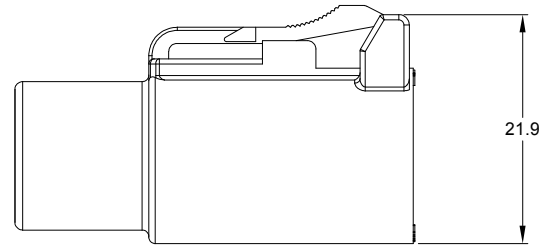
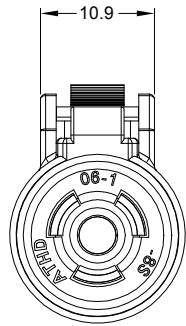


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NUMBER	27MAY20	VITO	TOMMY
A2	-	CHANGE IP RATE FROM IP67 TO IP67&IP69K	27OCT20	VITO	TOMMY



**NOTES: UNLESS OTHERWISE SPECIFIED**

- MATERIAL:**  
HOUSING: THERMOPLASTIC; COLOR:BLACK  
SEAL: SILICONE RUBBER
- MODIFICAIONS: IN LINE**
- SPECIFICATIONS:**
  - CURRENT RATING: 60 AMPS
  - OPERATING TEMPERATURE: -55°C TO +125°C
  - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - MOISTURE RESISTANCE: IP67&IP69K ( MATED CONDITION )
  - MATING CYCLE DURABILITY: 100 CYCLES
  - RoHS COMPLIANT
- MATING PART:ATHD04-1-8P\* RECEPTACLE**  
(\* = MODIFICATIONS )
- 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 mm <sup>2</sup> )

TITLE: 1 POS. PLUG, SOCKET, ATHD SERIES, SIZE 8, BLACK  
DWG NO.: ATHD06-1-8S  
REV: A2  
SH: 1  
OF: 1

ATHD06-1-8S		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	MATERIALS LIST		
<b>UNLESS OTHERWISE SPECIFIED</b> 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 =				
SIGNATURES		DATE		
DRAWN: VITO		27/0C/20		
CHECKED: ORION		28/0C/20		
ENGINEER:				
APPROVAL: TOMMY		28/0C/20		
CUSTOMER:				
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.		
PROCESS SPECIFICATIONS:		SCALE: NONE		
NEXT ASSY:		SHEET 1 OF 1		
		SIZE: B C-	DWG NO: ATHD06-1-8S	REVISION: A2

**Amphenol**  
Sine Systems - www.amphenol-sine.com  
44724 Morley Drive  
Clinton Township, MI 48036  
1 POS, PLUG, SOCKET, ATHD SERIES,  
SIZE 8, BLACK

# 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 <sup>2</sup> )	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 <sup>2</sup> -185mm <sup>2</sup>	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