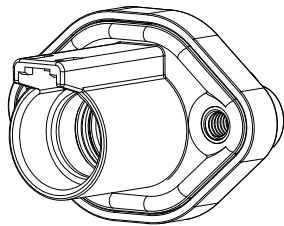


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	10DEC21	VITO	TOMMY

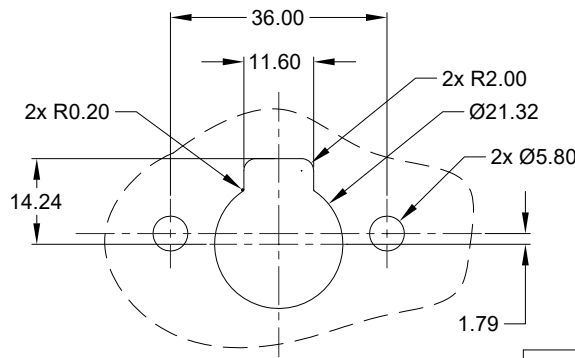
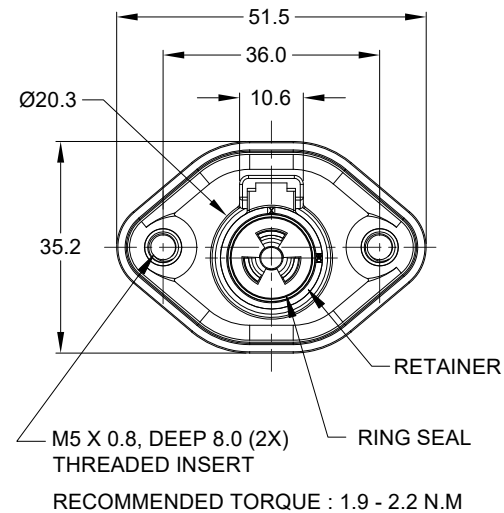
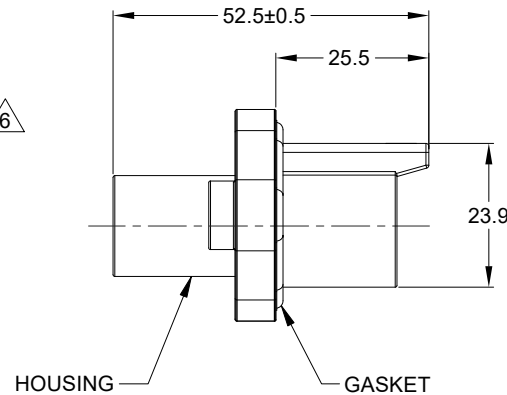
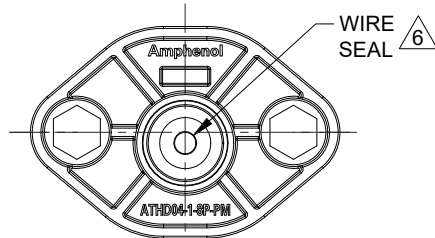


NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:**
HOUSING, RETAINER: THERMOPLASTIC; COLOR: BLACK
RING SEAL, WIRE SEAL, GASKET: SILICONE RUBBER; COLOR: RED
- MODIFICAIONS:** FRONT FLANGE MOUNT;
THREADED INSERT
- 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:
IP68(IM OF WATER FOR A PERIOD OF 24 HOURS,MATED CONDITION);
IP69K (MATED CONDITION)
 - MATING CYCLE DURABILITY: 100 CYCLES
 - RoHS COMPLIANT
- MATING PART:** ATHD06-1-8S* PLUG (* = 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 mm²)



RECOMMENDED PANEL CUTOUT

ATHD04-1-8P-PM05		DESCRIPTION		ITEM	
PART NUMBER					
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 ±1/64 Angles ±1° 3) Note reference = 		SIGNATURES DATE DRAWN:  10DEC21 CHECKED:  13DEC21 ENGINEER: APPROVAL:  14DEC21 CUSTOMER:		 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
MATERIAL SPECIFICATIONS:		1 POS, RECEPTACLE, PIN, SIZE 8, ATHD SERIES, FLANGE MOUNT, THREADED INSERT			
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.		REVISION	
NEXT ASSY:		SIZE	TYPE	DWG NO:	
		B	C-	ATHD04-1-8P-PM05	
		SCALE:	NONE	A1	
		SHEET		1 OF 1	

TITLE: 1 POS. RECEPTACLE, PIN, SIZE 8, ATHD SERIES, FLANGE MOUNT, THREADED INSERT

DWG NO:

ATHD04-1-8P-PM05

REV: A1

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 (mm²)	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	10mm²-185mm²	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