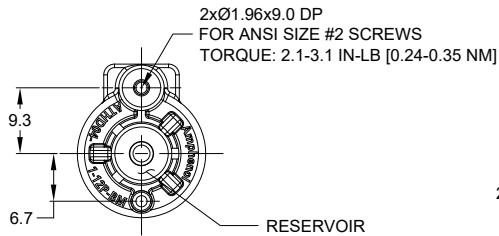
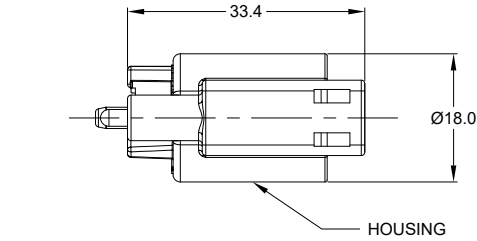


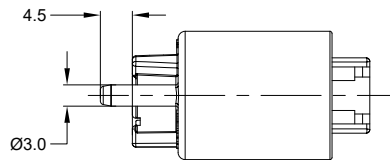
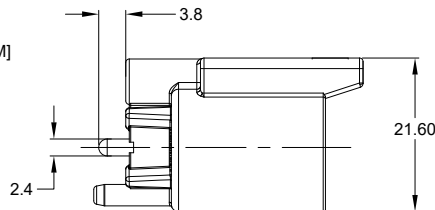
RECOMMENDED PCB LAYOUT



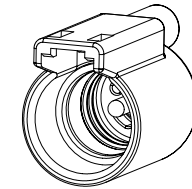
RESERVOIR



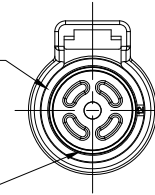
HOUSING



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	JAN-04-22	VITO	TOMMY



RETAINER



RING SEAL

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING, RETAINER: THERMOPLASTIC; COLOR: BLACK
CONTACT: COPPER ALLOY
SEAL: SILICONE RUBBER
- MODIFICATIONS: BOARD MOUNT, SCREW BOSS
- SPECIFICATIONS:
 - CURRENT RATING: 25 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: ATHD06-1-12S-XX PLUG (XX = MODIFICATIONS)
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

ATHD04-1-12P-BM1X VARIANTS			
CONTACT PLATING	POTTING OR NOT IN RESERVOIR	PART NUMBER	WEIGHT (GRAMS)
GOLD	NO POTTING	ATHD04-1-12P-BM11	6.7
GOLD	POTTING	ATHD04-1-12P-BM12	7.8
TIN	NO POTTING	ATHD04-1-12P-BM13	6.7
TIN	POTTING	ATHD04-1-12P-BM14	7.8

ATHD04-1-12P-BM1X		DESCRIPTION		ITEM
QUANTITY	PART NUMBER	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 =				
SIGNATURES		DATE		
DRAWN: VITO LI		JAN-04-22		
CHECKED: ORION LI		JAN-05-22		
ENGINEER:				
APPROVAL: TOMMY XIE		JAN-06-22		
MATERIAL SPECIFICATIONS:		CUSTOMER:		
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.		
NEXT ASSY:		SCALE: NONE		
SIZE: B		TYPE: C-		REVISION: A1
DWG NO: ATHD04-1-12P-BM1X		SHEET 1 OF 1		

Amphenol

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

SINGLE POLE, RECEPTACLE, PIN, SIZE 12,
BOARDLOCK ATHD SERIES, SCREW BOSS

TITLE: SINGLE POLE RECEPTACLE, PIN, SIZE 12, BOARDLOCK ATHD SERIES/BSS

DWG NO:

ATHD04-1-12P-BM1X

REV: A1

SH: 1

OF: 1