REVISIONS							
REV	ECO	DESCRIPTION	DATE	BY	APPR		
A1	-	RELEASE DRAWING	18MAR20	SULLEN	TOMMY		
A2	-	UPDATE LATCH AND DIMENSION	18SEP20	SULLEN	TOMMY		
A3	-	CHANGE MATERIAL OF HOUSING	20DEC21	MILO	TOMMY		

## NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

HOUSING: NATURAL ULTEM SEAL: SILICONE RUBBER

- 2. MODIFICATIONS: LIGHT EMITTING DIODE (GREEN), REVERSE VOLTAGE PROTECTION CIRCUIT (RVPC).
- 3. CONNECTOR SPECIFICATIONS: 3.1 CURRENT RATING: 13 AMPS

  - 3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - 3.3 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
  - 3.4 MOISTURE RESISTANCE:
    - IP68 ( IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION )
    - IP69K ( MATED CONDITION )
  - 3.5 MATING CYCLE DURABILITY: 100 CYCLES
  - 3.6 ROHS COMPLIANT
- 4. LED SPECIFICATIONS:
  - 4.1 FORWARD CURRENT: 30 MILLIAMPS TYPICAL;
  - 100 MILLIAMPS MAXIMUM 4.2 REVERSE CURRENT: 50 MICROAMPS MAXIMUM
  - 4.3 POWER DISSIPATION: 120 MILLIWATTS MAXIMUM
  - 4.4 FORWARD VOLTAGE: 4 VOLTS MAXIMUM
  - 4.5 REVERSE VOLTAGE: 5 VOLTS MAXIMUM
- 5. RESISTOR SPECIFICATIONS:
  - 5.1 RESISTANCE VALUE (R1): 330 OHMS;
  - 5.2 RESISTANCE VALUE (R2): 0 OHMS;
  - 5.3 POWER RATING: 1/8 WATTS
  - 5.4 MAX.WORKING VOLTAGE: 150 VOLTS
- 6. SUPPRESSOR DIODE SPECIFICATIONS:
  - 6.1 STAND-OFF VOLTAGE: 14 VOLTS:
  - 6.2 MAX. FORWARD CURRENT: 5µA @ 14V 6.3 PEAK PULSE POWER DISSIPATION: 400 WATTS
- 7. MATING PART: AT04-2P\* RECEPTACLE ( \* = MODIFICATIONS AND COLORS )
- 8. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



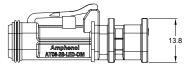
## REDUCED DIAMETER SEAL:

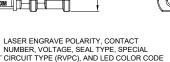
	D // WILL ! L ! ! O				
CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL WIRE RANGE		
SIZE	O.D.	O.D.			
16	1.35 mm (.053 in)		14 - 20 AWG (2.0-0.5mm²)		

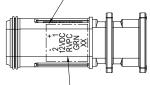
## STANDARD SEAL:

	STANDARD SEAL.							
	CONTACT	MIN. INSUL	MAX. INSUL	TYPICAL				
	SIZE O.D.		O.D.	WIRE RANGE				
16		2.24 mm (.088 in)	3.68 mm (.145 in)	14 - 20 AWG (2.0-0.5mm²)				









SEE PART NUMBER CHART BELOW. XX = SEAL CODE, RD IF REDUCED DIA... BLANK IF STANDARD SEAL.

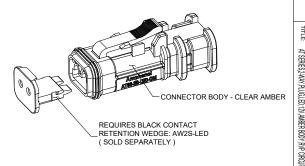
COMPONENT TYPES:

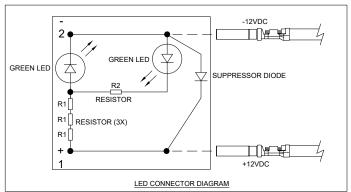
AS SHOWN IN THIS AREA.

R2 RESISTOR: TYPE 0805, R0Ω, 1/8W SMD LED: KPA-1606ZGC-G

R1 RESISTOR: TYPE 0805, R330Ω, 1/8W SMD T.V.S. DIODE: 400W, 14V, P4SMAJ14CA







PART NUMBER CHART				
SEAL	PART NUMBER			
STANDARD	AT06-2S-LED12V01-ON			
REDUCED DIAMETER	AT06-2S-LED12VR1-ON			

	SEE PART NU	JMBER C	CHART							
	PART NUMBER				DESCRIPTION			ITEM		
QUANTITY MATERIALS LIST										
UNLESS OTHERWISE SPECIFIED  1) All dimensions are in metricum. 2) Tokerances are as follows: 1 PL DEC 8.0.30 Fractions s1/04 2 PL DEC 40.15 Fractions s1/04 Angles s1' 3) Note reference =			NATURES	DATE		$\overline{}$	mnh	\ \ \	$\overline{a}$	
		DRAWN:	MILO.DONG	20DEC21	Amphenol					
		CHECKED:	SULLEN.ZHANG	20DEC21	Sine Systems - www.amphenol-sine.com					
		ENGINEER:			44724 Morley Drive Clinton Township, MI 48036					
		APPROVAL:	TOMMY.XIE	21DEC21			Clinton Township,	IVII 48U36		
		CUSTOMER:		'			ERIES,2-WAY			_
			NG IS SUPPLIED IN ONLY, DESIG		AMBER BODY,RVP CIRCUIT,OVERMOLD				-D	
		SHOWN HER THE AMPHEN OF REPRODI	EON ARE THE F	TION. NO RIGHTS PLIED. ALL TO NORMAL	В	_	AT06-2S-L	ED12VX	1-OM	A3
			RING VARIATIO	NS.	SCALE: N	ONE		SHEET	1 of	1

AT06-2S-LED12VX1-OM REV Š

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Amphenol:

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