

NOTES: UNLESS OTHERWISE SPECIFIED

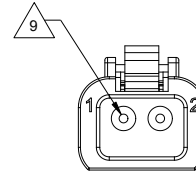
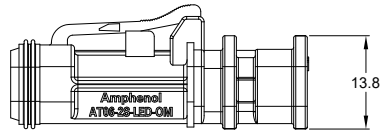
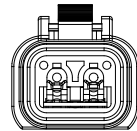
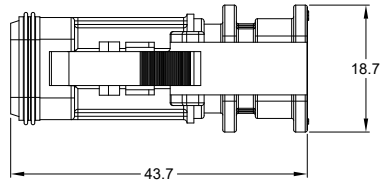
1. MATERIAL:  
HOUSING: NATURAL POLYCARBONATE  
SEAL: SILICONE RUBBER
2. MODIFICATIONS: LIGHT EMITTING DIODE (GREEN), REVERSE  
VOLTAGE PROTECTION CIRCUIT (RVPC).
3. CONNECTOR SPECIFICATIONS:  
3.1 CURRENT RATING: 13 AMPS  
3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2  
MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.  
3.3 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.  
3.4 MOISTURE RESISTANCE: IP67 & IP69K ( MATING AND  
OVERMOLDING 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: 680 OHMS;  
5.2 POWER RATING: 1/8 WATTS  
5.3 MAX.WORKING VOLTAGE: 150 VOLTS
6. RECTIFIER DIODE SPECIFICATIONS:  
6.1 PEAK REVERSE VALUE: 1000 VOLTS;  
6.2 FORWARD VOLTAGE: <1.1V @ I = 1A
7. MATING PART: AT04-2P\* RECEPTACLE  
(\* = MODIFICATIONS AND COLORS )
8. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
9. CONTACT SIZE AND REAR SEAL WIRE RANGE:

REDUCED DIAMETER SEAL:

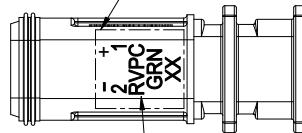
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	1.35 mm (.053 in)	3.05 mm (.120 in)	14 - 20 AWG (2.0-0.5mm <sup>2</sup> )

STANDARD SEAL:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE
16	2.24 mm (.088 in)	3.68 mm (.145 in)	14 - 20 AWG (2.0-0.5mm <sup>2</sup> )



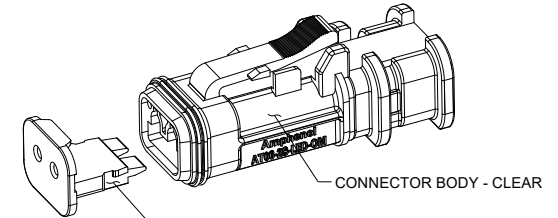
LASER ENGRAVE POLARITY, CONTACT  
NUMBER, SEAL TYPE, SPECIAL CIRCUIT TYPE  
(RVPC), AND LED COLOR CODE AS SHOWN IN  
THIS AREA.



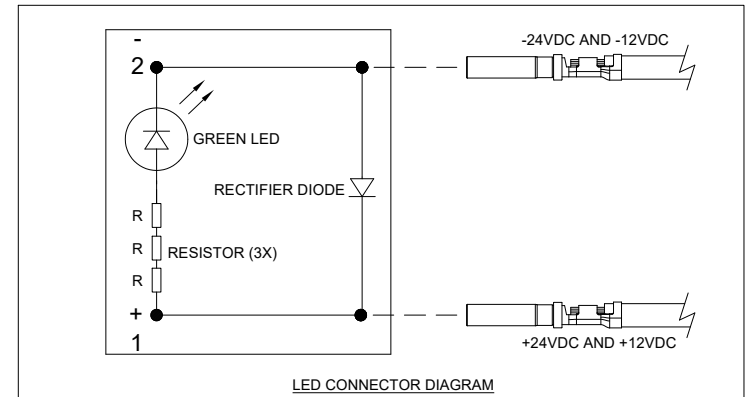
SEE PART NUMBER CHART BELOW.  
XX = SEAL CODE. RD IF REDUCED DIA.,  
BLANK IF STANDARD SEAL.

COMPONENT TYPES:  
RESISTOR: TYPE 0805, R680Ω, 1/8W  
SMD LED: KPA-1606ZGC-G  
SMD RECTIFIER DIODE: 1000V, 1A, S1M

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE DRAWING	18MAR20	SULLEN	TOMMY
A2	-	UPDATE LATCH AND DIMENSION	18SEP20	SULLEN	TOMMY



REQUIRES BLACK CONTACT  
RETENTION WEDGE: AW2S-LED  
( SOLD SEPARATELY )



SEE PART NUMBER CHART		DESCRIPTION		ITEM
PART NUMBER		MATERIALS LIST		
QUANTITY		SIGNATURES		DATE
UNLESS OTHERWISE SPECIFIED		DRAWN: SULLEN, ZHANG		18SEP20
1) All dimensions are in metric (mm).		CHECKED: ORION LI		19SEP20
2) Tolerances are as follows:		ENGINEER:		
1 PL DEC ±0.30		APPROVAL: TOMMY XIE		20SEP20
2 PL DEC ±0.15		CUSTOMER:		
3 PL DEC ±0.08		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.		
3) Note reference =		NEXT ASSY:		
PART NUMBER CHART		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036		
SEAL		AT SERIES, 2-WAY, PLUG, LED, 12V OR 24V, CLEAR BODY, RVP CIRCUIT, OVERMOLD		
STANDARD		AT06-2S-LED1224V-OM		
REDUCED DIAMETER		AT06-2S-LED1224VR-OM		
SIZE		TYPE		DWG NO.
B		C-		AT06-2S-LED1224VX-OM
SCALE		NONE		REVISION
				A2
		SHEET 1 OF 1		