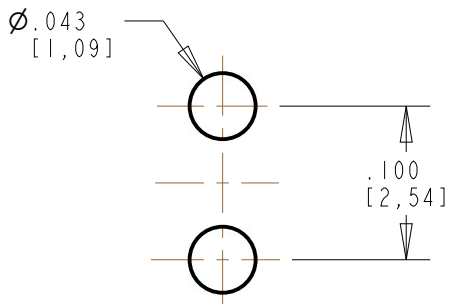
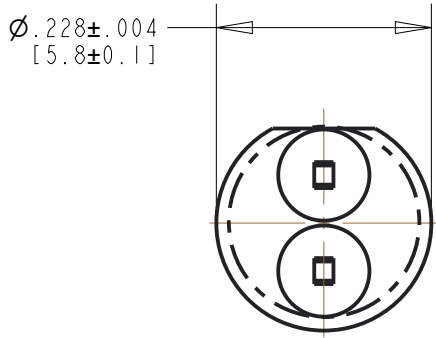
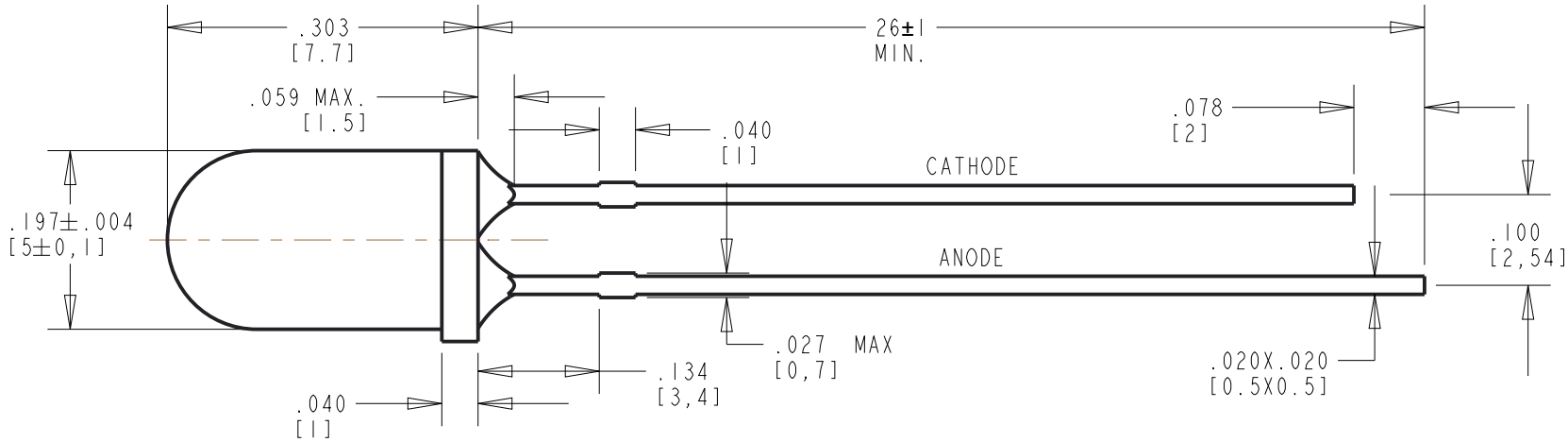


DIALIGHT PART NUMBER	LED COLOR	LENS COLOR
521-8714F	RED(625nm)	WATER CLEAR

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	114070	NEW RELEASE	JSG	CS	NO	23JAN24
B	130712	ADDED LED SCHEMATIC	LD	CS		6-11-25



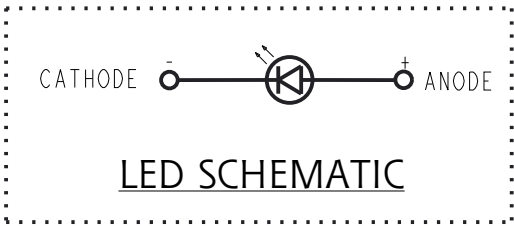
RECOMMENDED PCB LAYOUT

NOTES:

1. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
2. LEDS TO BE PACKAGED IN A TRANSPARENT STATIC SHIELDED METAL FOIL BAG WITH ESD LABELING OR EQUIVALENT
3. THIS ASSEBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS) MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-610
4. THIS PRODUCT IS ROHS COMPLIANT, EACH BAG IS MARKED WITH ROHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE PB FREE (ROHS COMPLIANT).
5. SOLDERING : LEAVE A MINIMUM OF 2mm CLEARANCE FROM THE BASE OF THE LENS TO THE SOLDERING POINT.

ABSOLUTE MAXIMUM RATINGS AT 25°C						
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT (mA)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)	REVERSE VOLTAGE (V)
RED	75	30	50 (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	-40°C TO +85°C	-40°C TO +85°C	5

OPERATING CHARACTERISTICS AT 25°C AMBIENT									
LED COLOR	TEST CONDITION (mA)	LUMINOUS INTENSITY (mcd)		FORWARD VOLTAGE (V)		REVERSE CURRENT (uA)	VIEWING ANGLE (DEGREES)	DOMINANT WAVELENGTH (nm)	
	TYP	MIN	MAX	MIN	MAX	MAX	TYP	MIN	MAX
RED	20mA	7500	23100	1.8	2.4	10µA @ VR=5V	15	620	630



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 4500521500X18-A.4		
SCALE: 2.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)	C-18734	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	5mm RED WC LENS 15 DEG	
FINISH	MATERIAL	
-	-	
FSCM 83330	Dialight	
1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com		
SHEET 1 OF 1	FAMILY TABLE:	