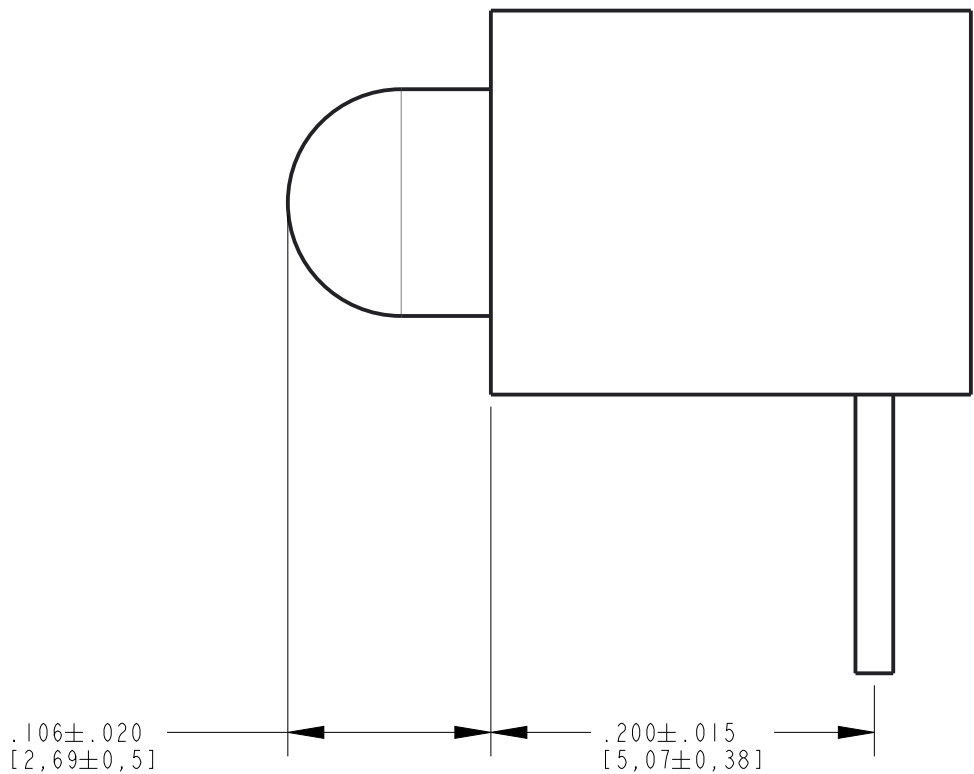
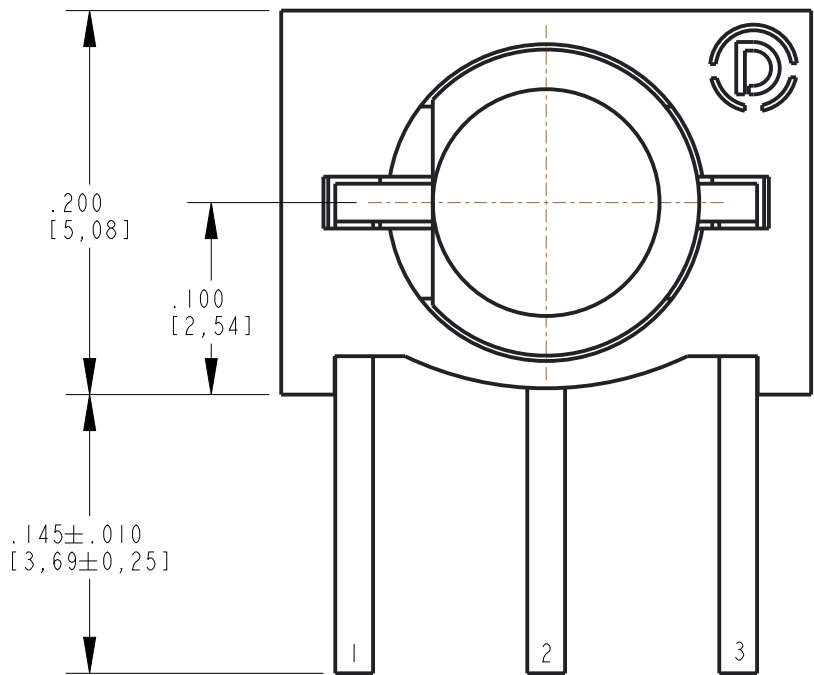


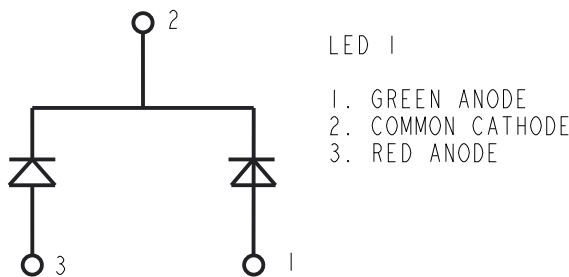
REV	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	NEW RELEASE	LD	NO				1-4-22



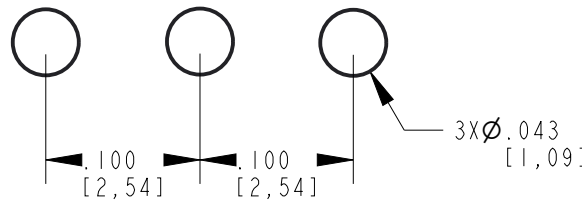
NOTES:

1. DIALIGHT PART NUMBER: 551-3513F
2. CENTER TO CENTER LEAD DIMENSIONS MEASURED AT HOUSING EXIT.
3. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

LED SCHEMATIC



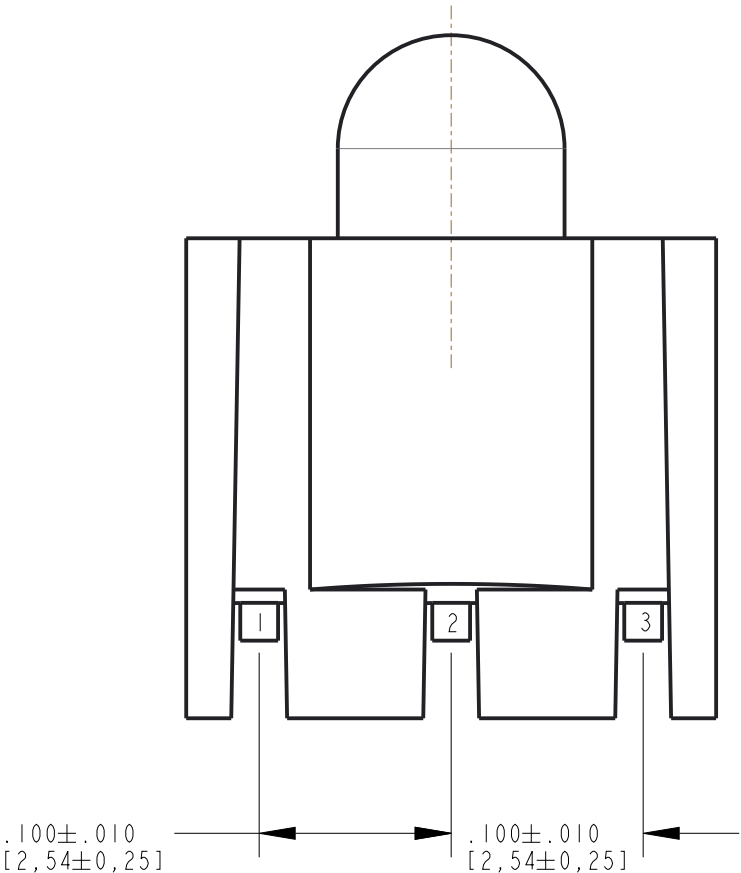
RECOMMENDED MOUNTING HOLE SIZE



TOLERANCE: ±.002

ABSOLUTE MAXIMUM RATINGS AT TA=25 C			
PARAMETER	GREEN	RED	UNIT
POWER DISSIPATION	100	100	mW
PEAAK FORWARD CURRENT (DUTY CYCLE < 1/10, PULSE WIDTH < 10ms)	120	120	mA
DC FORWARD CURRENT	30	30	mA
OPERATING TEMPERATURE RANGE	-30° C TO +85° C		
STORAGE TEMPERATURE RANGE	-40° C TO +100° C		
LEAD SOLDERING TEMPERATURE [2.0mm(.079")FROM BODY]	260° C FOR 5 SECONDS MAX.		

ELECTRICAL/OPTICAL CHARACTERISTICS AT TA=25 C							
PARAMETER	SYMBOL	COLOR	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
RADIANT INTENSITY	Iv	RED	12.6	19	100	mcd	IF=20mA
		GREEN	12.6	19	100		
VIEWING ANGLE		RED		75		deg	
		GREEN					
PEAK EMISSION WAVELENGTH		RED		630		nm	
		GREEN		565			
DOMINANT WAVELENGTH		RED	615	625	634	nm	
		GREEN	565	573	578		
SPECTRAL LINE HALF-WIDTH		RED		40		nm	
		GREEN		30			
FORWARD VOLTAGE	VF	RED		2.0	2.6	V	IF=20mA
		GREEN		2.1	2.6		
REVERSE CURRENT	IR	RED			100		VR=5V
		GREEN					



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DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL : 5513513F-A.4			
SCALE: 3.000	DRAWING NUMBER		REV
ALL DIM's: INCH (mm)	C-18547		A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE		
FRACTIONS: ±1/64	3MM CBI .100" CL R/G 3 LEADS		
DECIMALS (.XX): ±.01	MATERIAL		
DECIMALS (.XXX): ±.005	SEE BOM		
DECIMALS (.XXXX): ±.0005	Dialight		
ANGLES: ±1°	1501 ROUTE 34 SOUTH		
FINISH	FARMINGDALE, NJ 07727		
	(732) 919-3119		
	www.dialight.com		
FSCM 83330	SHEET 1 OF 1		FAMILY TABLE: