

REV	REVISIONS	DRN	CKD	APP	DATE
A	NEW RELEASE	LD	—	NO	8-26-19
B	ADDED DIM FROM LED CENTER TO BOTTOM SURFACE AND UPDATED THE DIM TOLERANCES	LD	—	NO	8-28-19
C	CENTER TO CENTER HOLE DISTANCE WAS .600 ON HOLE PATTERN	LD		CS	4-17-23

NOTES:

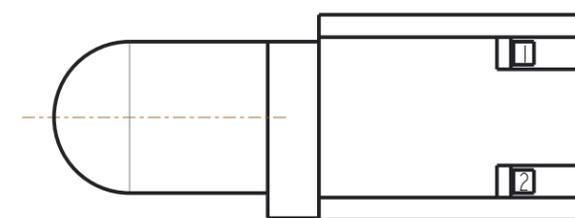
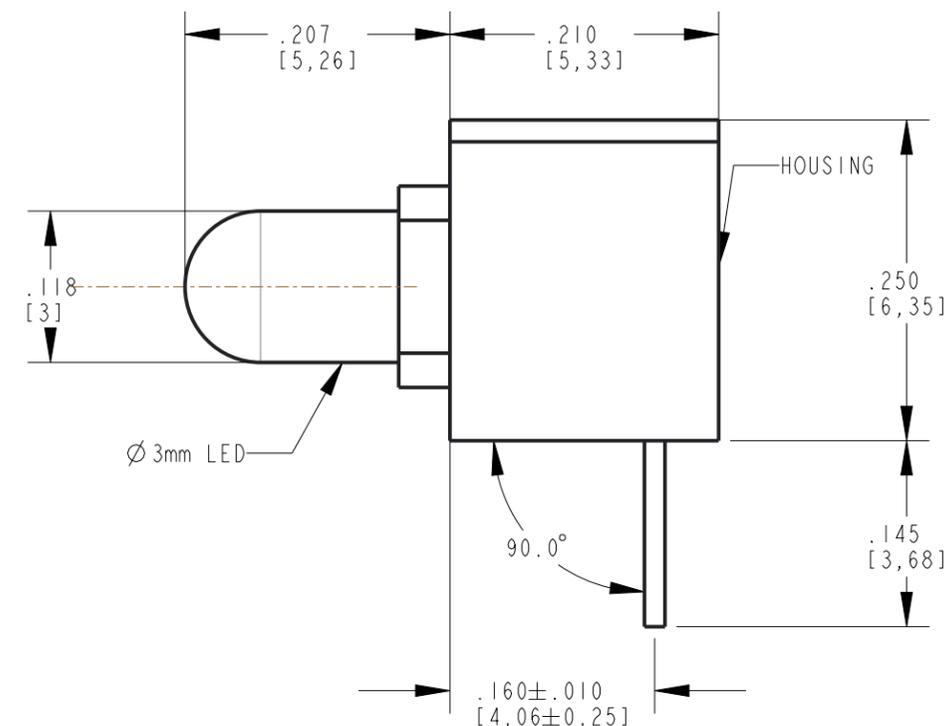
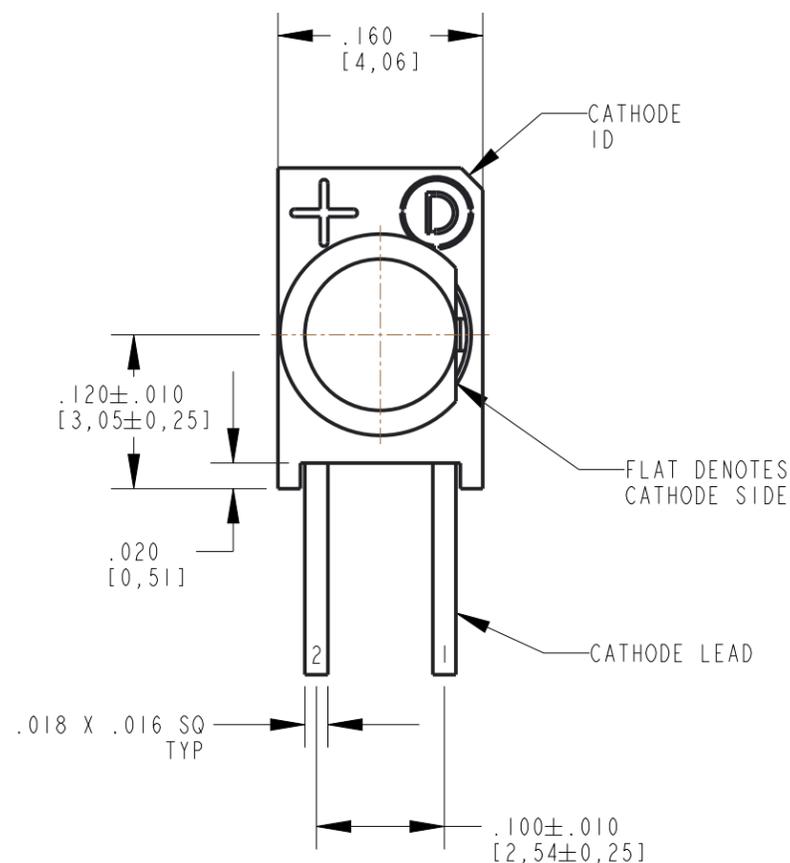
1. DIALIGHT PART NUMBER: 551-6009-801F.
2. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
3. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
4. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON EXISTENT ON PART.
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES ESDS. MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610

HUE SPEC. TABLE					
HUE RANK	CHROMATICITY COORDINATES LIMITS $I_F = 20 \text{ mA}$				
A1	X	0.2500	0.2700	0.2700	0.2500
	Y	0.2175	0.2455	0.2780	0.2500
A2	X	0.2500	0.2700	0.2700	0.2500
	Y	0.1850	0.2130	0.2455	0.2175
B1	X	0.2700	0.2900	0.2900	0.2700
	Y	0.2455	0.2735	0.3060	0.2785
B2	X	0.2700	0.2900	0.2900	0.2700
	Y	0.2130	0.2410	0.2735	0.2455
C1	X	0.2900	0.3100	0.3100	0.2900
	Y	0.2735	0.3030	0.3355	0.3060
C2	X	0.2900	0.3100	0.3100	0.2900
	Y	0.2410	0.2705	0.3030	0.2735

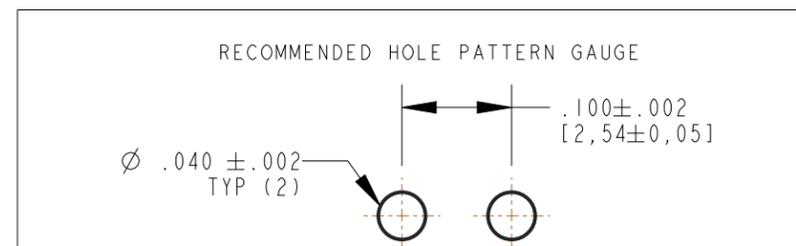
COLOR COORDINATES MEASUREMENT ALLOWANCE IS  $\pm 0.01$

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	5500	9300	12000	mc d	$I_F = 20 \text{ mA}$
FORWARD VOLTAGE	2.7	3.3	3.6	V	$I_F = 20 \text{ mA}$
REVERSE CURRENT	—	—	10	mA	$V_R = 5 \text{ V}$
VIEWING ANGLE	—	25	—	DEGREE	
CHROMATICITY COORDINATES	X	—	0.30	—	$I_F = 20 \text{ mA}$ SEE HUE SPEC. TABLE
	Y	—	0.30	—	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	VALUE	UNITS
POWER DISSIPATION	120	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	100	mA
CONTINUOUS FORWARD CURRENT	30	mA
LINEAR DERATING FROM 30°C	0.5	mA/°C
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE (.080" [2.0mm] FROM BODY) FOR 5 SEC.	260	°C
OPERATING TEMPERATURE	-30 TO +80	°C
STORAGE TEMPERATURE	-40 TO +100	°C



**ATTENTION:**  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES



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DIALIGHT CORP. INTERNAL REFERENCE ONLY = 3D MODEL : 5516009801F-A.17		
SCALE: 7.000	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-18442	C
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3mm CBI RIGHT ANGLE WHITE	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL SEE BOM	
FINISH		
FSCM 83330	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
SHEET 1 OF 1	FAMILY TABLE:	