

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	

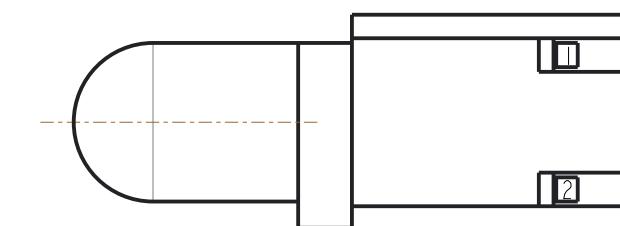
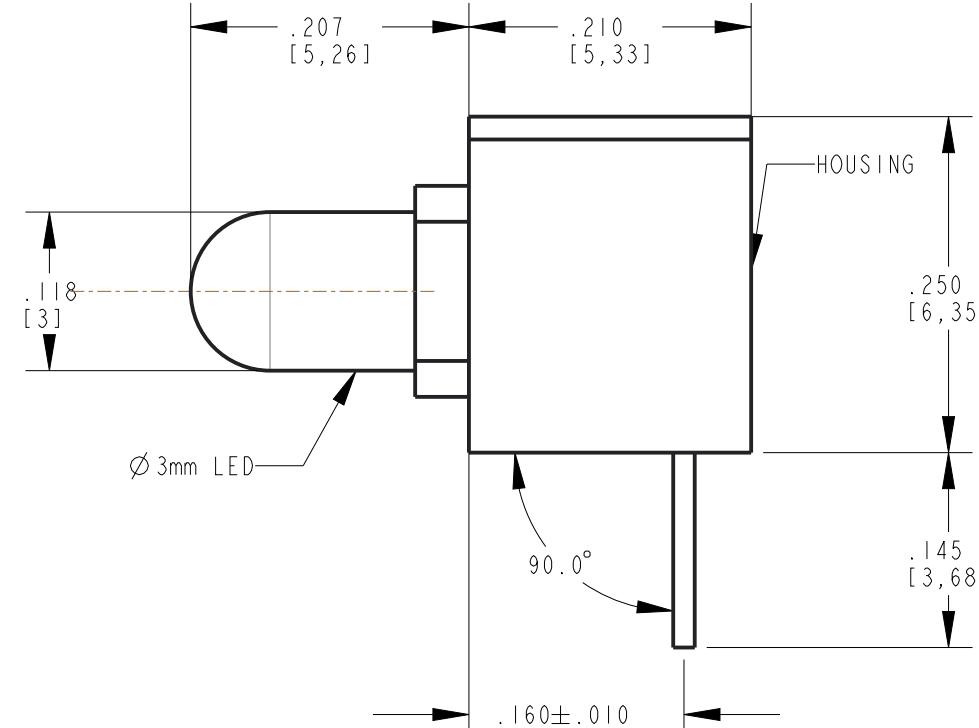
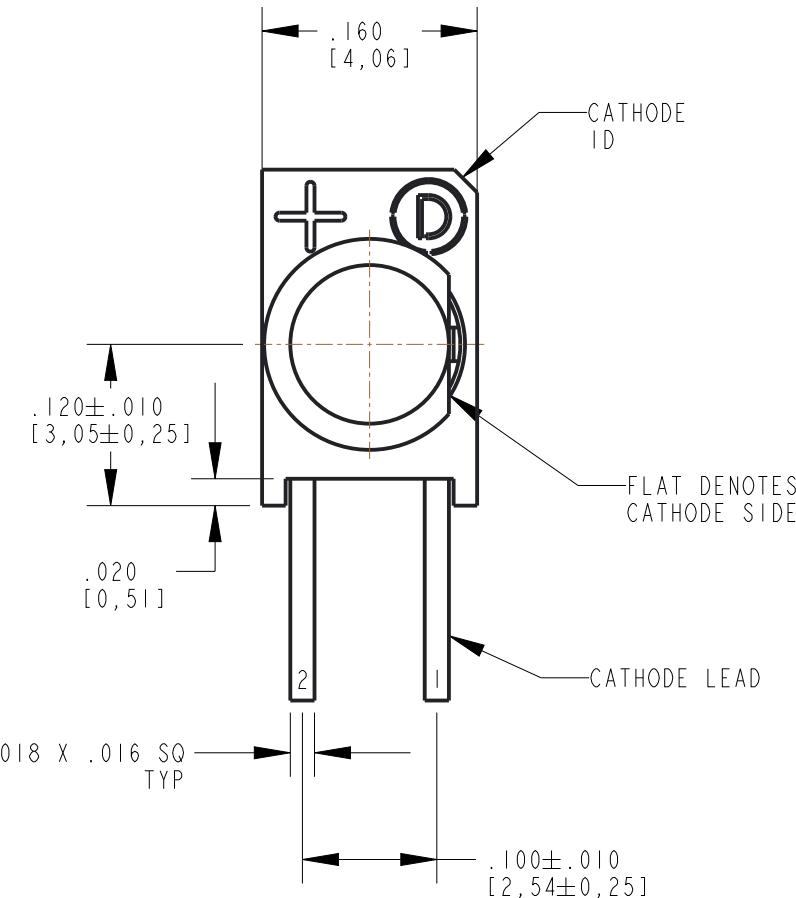
NOTES:

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

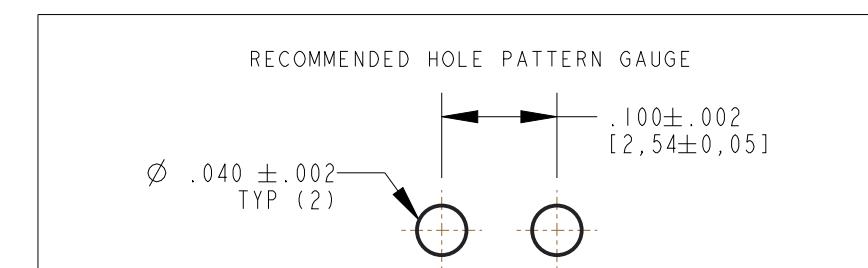
HUE SPEC. TABLE					
HUE RANK	CHROMATICITY COORDINATES LIMITS				
	$I_F = 20 \text{ mA}$				
A1	X	0.2500	0.2700	0.2700	0.2500
	Y	0.2175	0.2455	0.2780	0.2500
A2	X	0.2500	0.2700	0.2700	0.2500
	Y	0.1850	0.2130	0.2455	0.2175
B1	X	0.2700	0.2900	0.2900	0.2700
	Y	0.2455	0.2735	0.3060	0.2785
B2	X	0.2700	0.2900	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 ± 0.01					

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
LED CHARACTERISTICS	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	5500	9300	12000	mcad	$I_F = 20 \text{ mA}$
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



SCALE: 7.000	DRAWING NUMBER	REV
ALL DIM's: INCH (mm)		
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: ±1/164		
DECIMALS (.XX): ±.01		
DECIMALS (.XXX): ±.005		
DECIMALS (.XXXX): ±.0005		
ANGLES: ±1°		
FINISH		
SEE BOM		
DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 5516009801F-A.17		
C-18442	C	
TITLE	3mm CBI RIGHT ANGLE WHITE	
MATERIAL	SEE BOM	
FSCM	83330	
Sheet 1 of 1		FAMILY TABLE:
Dialight		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com