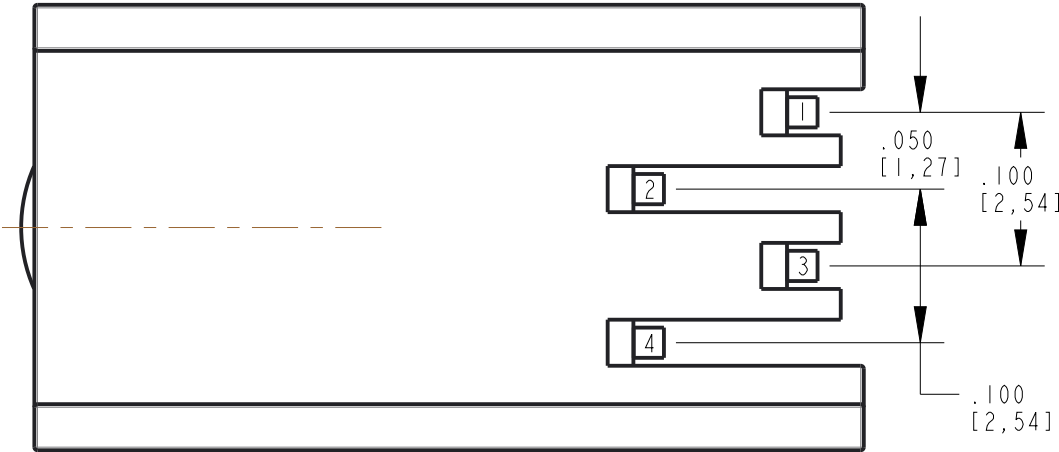
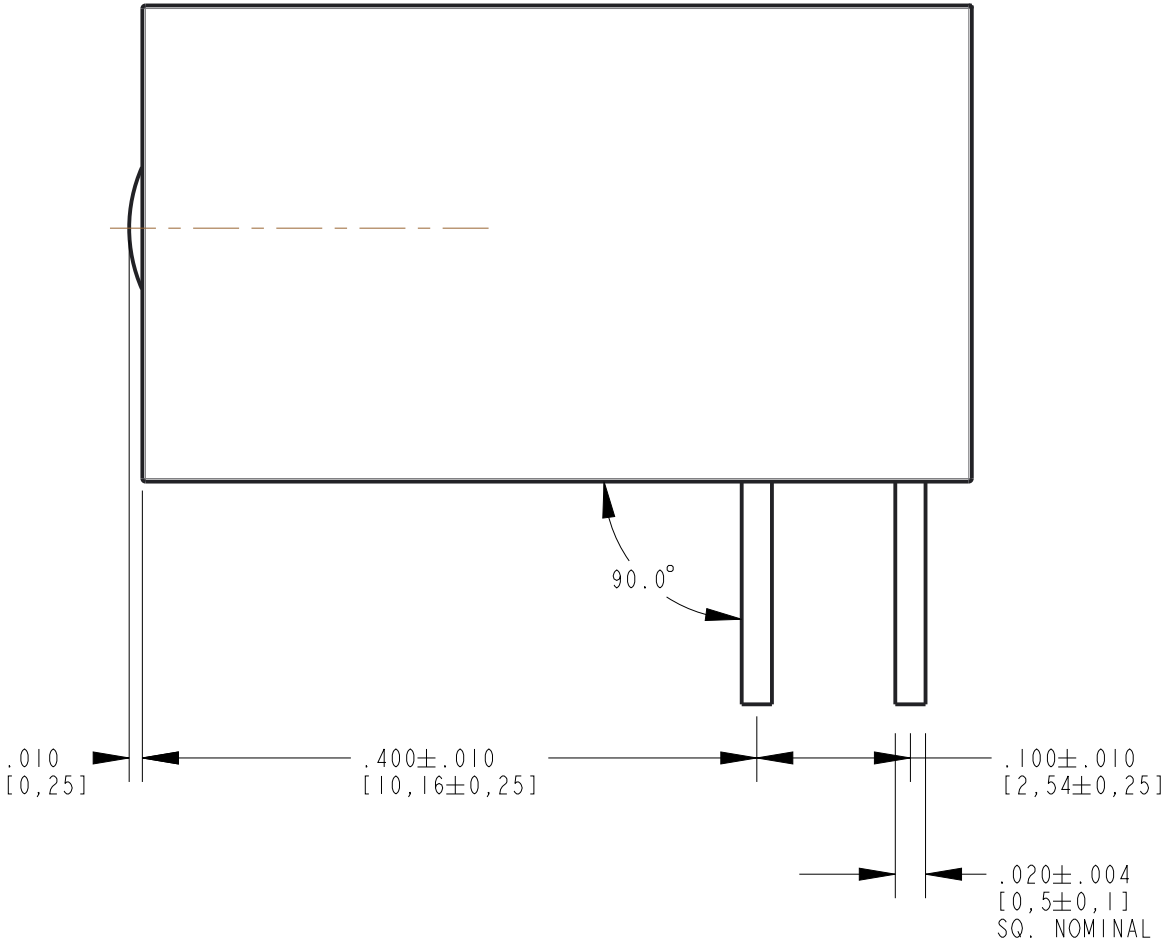
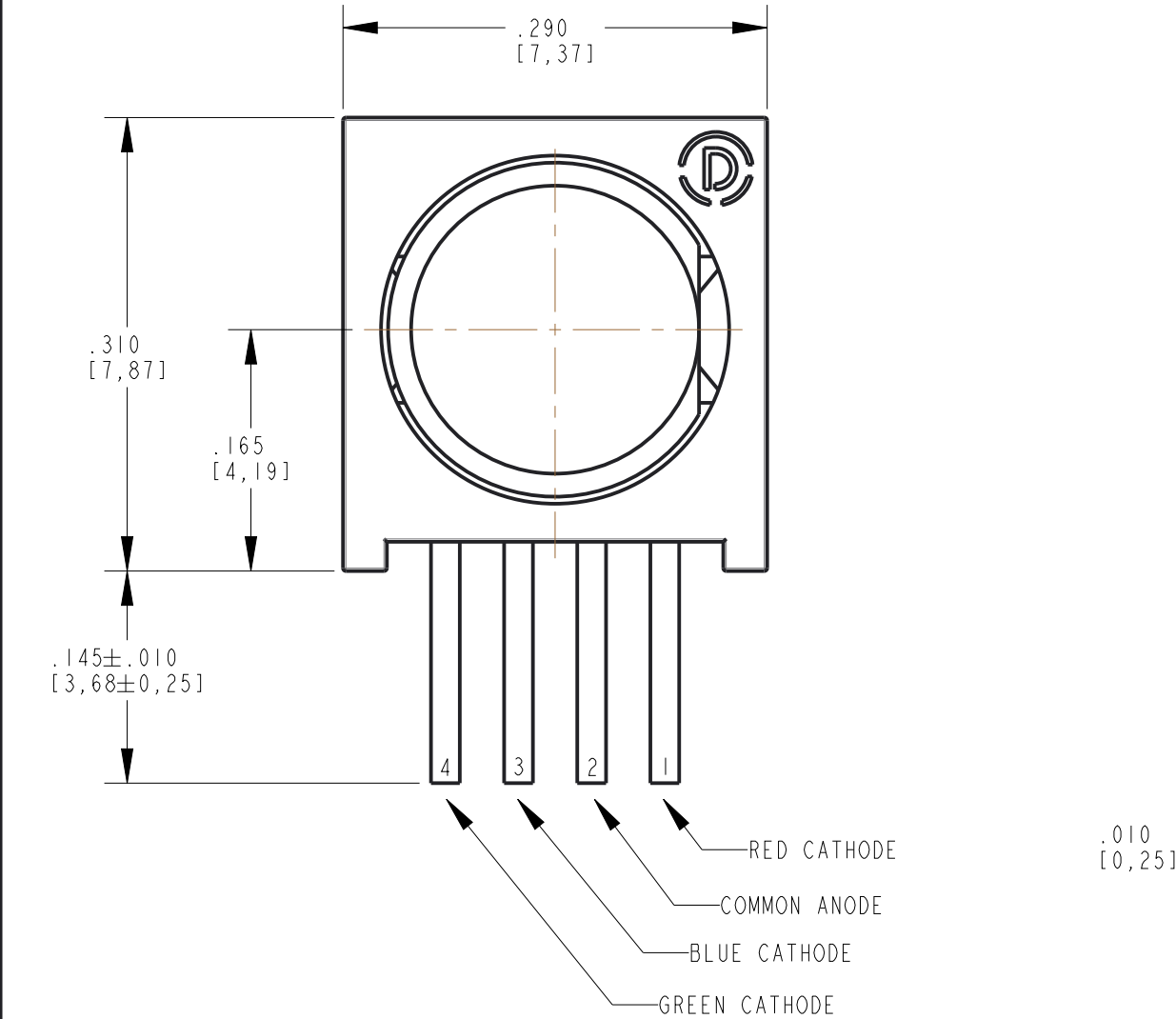
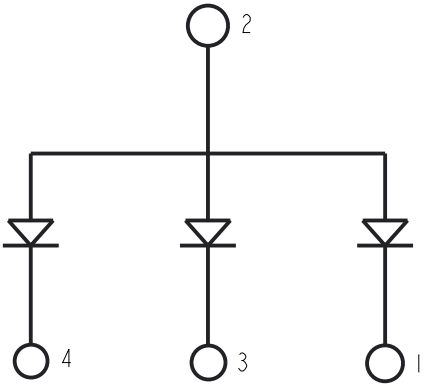


REV	REVISIONS	DRN	APP	DATE
A	NEW RELEASE	LD	NO	5-10-21
B	UPDATED LED SPECS	LD	NO	12-1-21

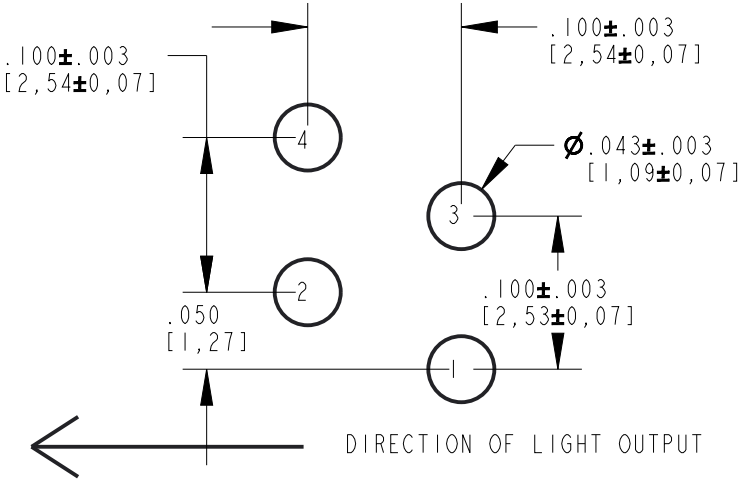


LED SCHEMATIC

1. RED CATHODE
2. COMMON ANODE
3. BLUE CATHODE
4. GREEN CAHODE



RECOMMENDED MOUNTING HOLE PATTERN



LED OPERATING CHARACTERISTICS AT 25°C AMBIENT							
PARAMETER	SYMBOL	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	IV	RED	1900	2500	3200	mcd	I <sub>F</sub> = 20mA
		BLUE	1500	1900	2500		
		GREEN	3000	4250	6000		
PEAK EMISSION WAVELENGTH		RED		634		nm	VR = 5V
		BLUE		470			
		GREEN		525			
DOMINANT WAVELENGTH		RED	618	624	630	nm	
		BLUE	465	470	475		
		GREEN	515	525	525		
FORWARD VOLTAGE	V <sub>F</sub>	RED	1.7	2.2	2.7	V	I <sub>F</sub> = 20mA
		BLUE	2.5	3.2	3.7		
		GREEN	2.5	3.2	3.7		
ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT							
PARAMETERS			RED	BLUE	GREEN	UNITS	
POWER DISSIPATION			80	108	108	mW	
LINEAR DERATION FROM 50°C			0.57	0.57	0.57	mA/°C	
FORWARD DC CURRENT			30	30	30	mA	
PEAK FORWARD CURRENT (1/10 Duty Cycle, 0.1ms Pulse Width)			90	100	100	mA	
OPERATING TEMPERATURE			-30 to +85			°C	
STORAGE TEMPERATURE			-40 TO +100			°C	
LEAD SOLDERING TEMPERATURE [2.0mm (.787") FROM BODY]			260 FOR 5 SECONDS MAX.			°C	

NOTES:

1. DIALIGHT PART NO: 550-4014F
2. LAMP MUST BE SEATED ALLL THE WAY DOWN INTO HOUSING. BENDS MUST BE TIGHT. NO LONGITUDINAL TRAVEL ALONG AXIS ALLOWED.
3. CENTER TO CENTER LEAD DIMENSIONS MEASURED AT THE HOUSING EXIT
4. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.
5. THIS PRODUCT IS RoHS COMPLIANT, EACH BAG IS MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS LED MUST BE PB FREE (RoHS COMPLLIANT)
6. PIN NUMBERS ARE FOR REFERENCES ONLY AND ARE NOT INCLUDED IN THE PART

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DIALIGHT CORP INTERNAL REFERENCE ONLY = 3D MODEL : 5504014F-A.13			
SCALE: 8.000		DRAWING NUMBER	
ALL DIM's: INCH (mm)		REV	
TOLERANCES: UNLESS OTHERWISE SPECIFIED		C-18517	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°		TITLE 5mm CBI BACK LIGHT RGB 4 LEADS	
FINISH		MATERIAL SEE BOM	
FSCM 83330		Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
SHEET 1 OF 1		FAMILY TABLE:	

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