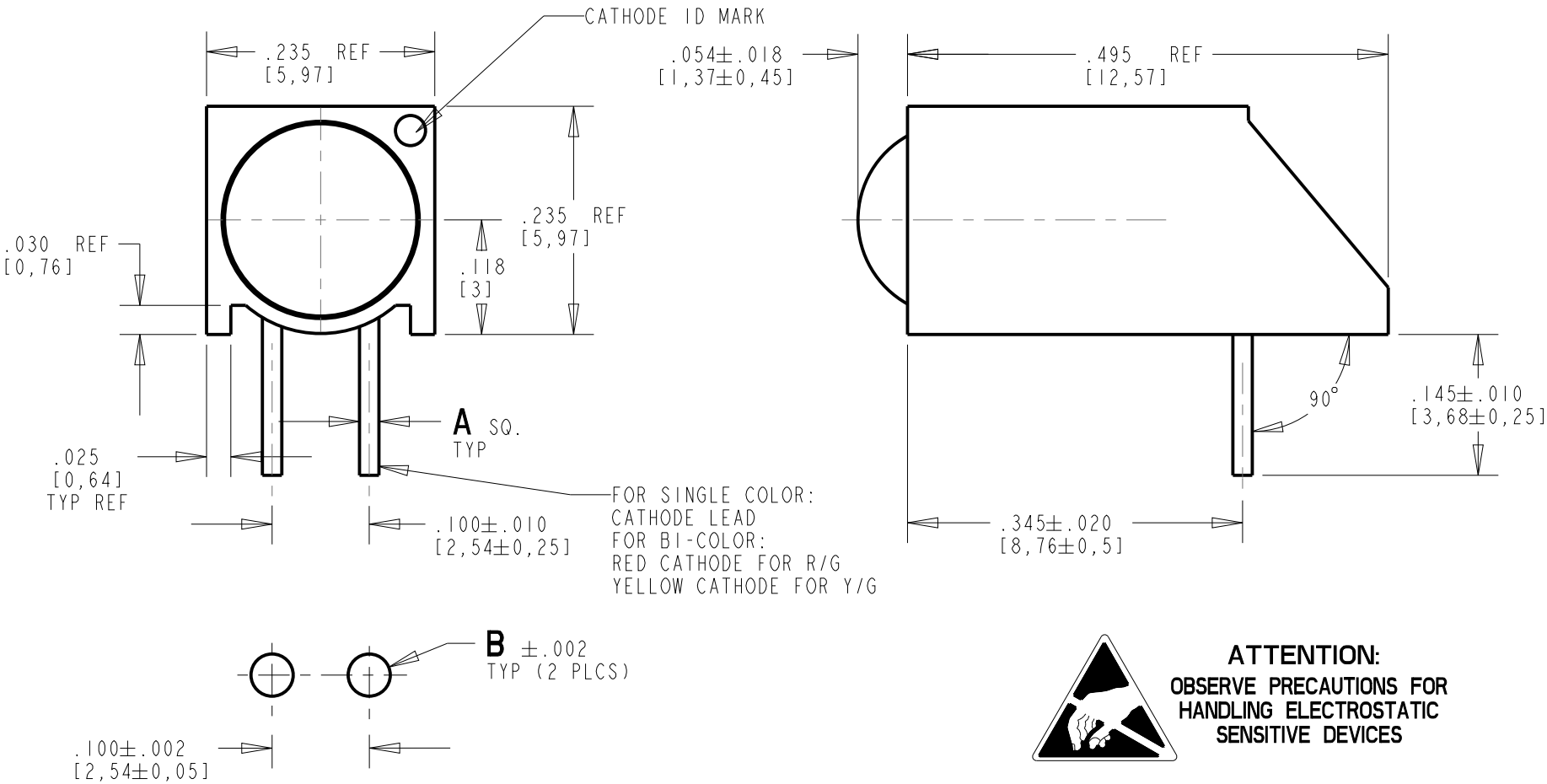


PART NUMBER	LED COLOR	DIM. A	DIM. B
550-1010F	BLUE	.020±.004	.043
550-1510F	GREEN	.018 NOM.	.040
550-1610F	YELLOW	.020 NOM.	.043
550-1710F	RED	.018 NOM.	.040
550-3010F	RED/GRN	0.020 SQ.	.043
550-3110F	YEL/GRN	0.020 SQ.	.043

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	—	—	—
B	—	ADDED 550-3010F AND 550-3110F P/N'S. ALSO ADDED THE LED SPECS FOR THE NEW P/N'S.	BP	—	NO	11-1-16

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	UNITS	RED	GREEN	YELLOW	BLUE	RED/GRN	YEL/GRN
POWER DISSIPATION	mW	135	135	60	120	100	52
FORWARD DC CURRENT	mA	30	30	20	30	40/30	20
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	mA	90	90	80	100	200/120	60
REVERSE VOLTAGE (I <sub>R</sub> =100μA)	V	5				4/5	—
OPERATING TEMPERATURE	°C	-55 TO +100	-20 TO +100	-55 TO +100	-40 TO +80	-55 TO +100	-30 TO +85
STORAGE TEMPERATURE	°C	-55 TO +100			-40 TO +100	-55 TO +100	-40 TO +100
LEAD SOLDERING TEMPERATURE, 5 SEC, 1/16" FROM BODY	°C	260					

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	25	60		mcd	I <sub>F</sub> = 10 mA
	GREEN	25	70			
	YELLOW	29	90			
	BLUE	520		1500		I <sub>F</sub> = 20 mA
	RED/GREEN	29/12.6	90/40			
	YEL/GRN	11/18	30/50	50/85		
FORWARD VOLTAGE	RED	1.5	2.2	3.0	V	I <sub>F</sub> = 10 mA
	GREEN	1.6	2.3	3.0		
	YELLOW		2.1	2.6		
	BLUE		3.8	4.0		I <sub>F</sub> = 20 mA
	RED/GREEN		1.8/2.1	2.4/2.6		
	YEL/GRN	1.6	2.1	2.6		
PEAK WAVELENGTH	RED		635		nm	
	GREEN		565			
	YELLOW		585			
	BLUE		470			
	RED/GREEN		660/565			
	YEL/GRN		591/573			
VIEWING ANGLE	RED		35		Degree	
	GREEN		24			
	YELLOW		35			
	BLUE		30			
	RED/GREEN		60			
	YEL/GRN		50			




RECOMMENDED PCB HOLE PATTERN

RoHS Compliant 550-XX10F Thru-hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. For Example: 550-1510F  
The bag packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

NOTES:

- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- DIALIGHT PART NUMBERS: 550-XX10F
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: 6.000 ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17578	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE Ø5mm BACKLIGHTING SINGLE CBI RoHS COMPLIANT	
FINISH: -	MATERIAL -	
FSCM 83330	 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:		