

DIALIGHT PART NUMBER	LED COLOR	
	POSITION 1	POSITION 2
553-2203F	BLANK	YELLOW
553-2211F	RED	RED
553-2212F	RED	GREEN
553-2222F	GREEN	GREEN
553-2223F	GREEN	YELLOW
553-2232F	YELLOW	GREEN
553-2233F	YELLOW	YELLOW

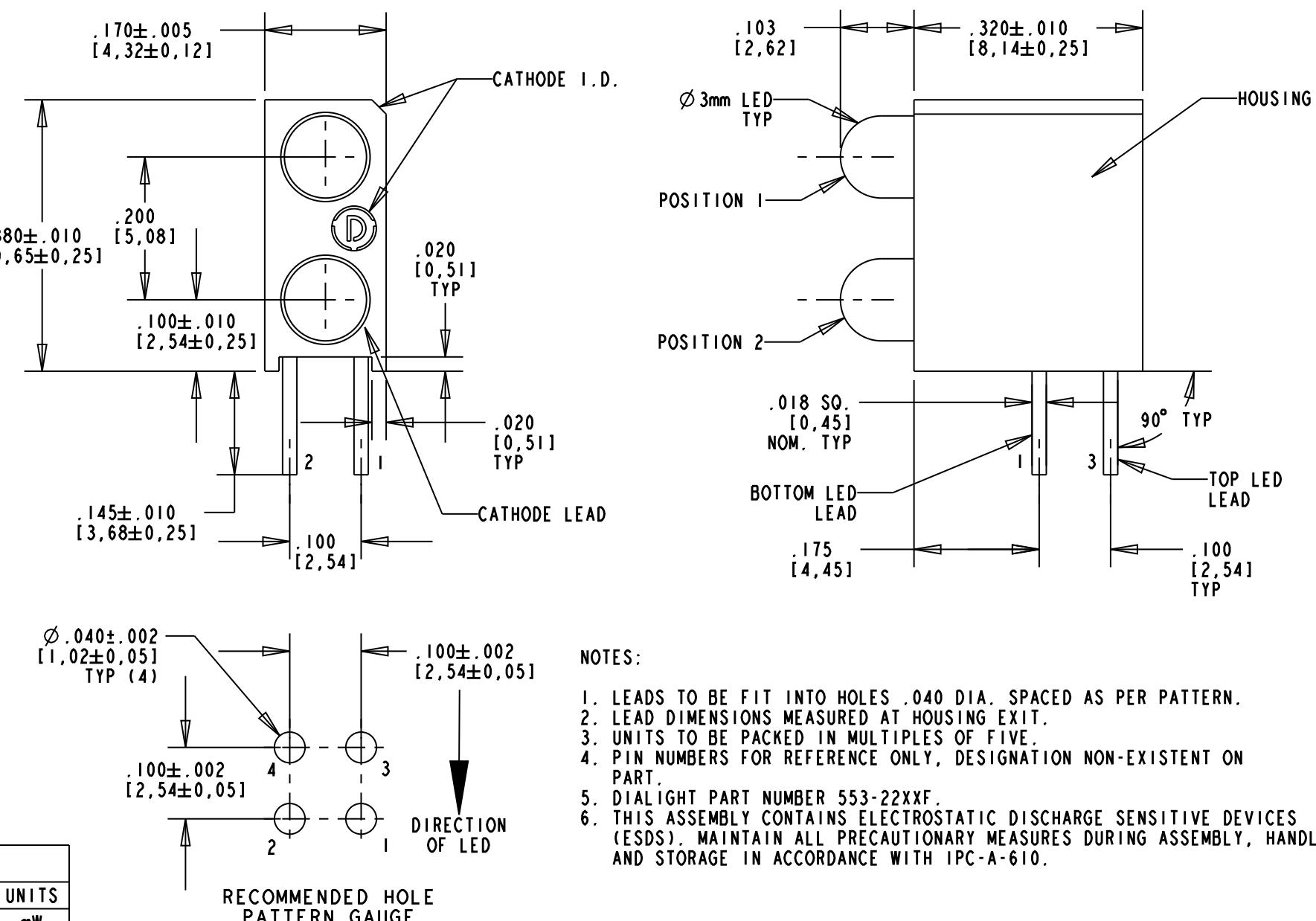
### RoHS Compliant 553-22XXF Thru Hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.  
Example: 553-2203F  
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.

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC	TC	N.O.	7-11-05
B	—	553-2233F IN RoHS COMPLIANT NOTE TITLE WAS 550-2233F	TWC	—	—	—
C	—	ADDED P/N'S 553-2203F, -2211F, -2212F, 2222F, - 2223F, -2232F TO DRAWING; ADDED DUAL DIMS, LED SCHEMATIC, ESDS LOGO NOTE 3 & 5 TO DRAWING.	AJF	KLJ	NO	12-10-09

OPERATING TEMPERATURES AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	YELLOW	10	30	50	mcd	I <sub>F</sub> = 10mA
	RED	8.7	29			
	GREEN	32	50			
FORWARD VOLTAGE	YELLOW	2.1	2.8		V	I <sub>F</sub> = 20mA
	RED	2.0	2.8			
	GREEN	2.1	2.8			
PEAK WAVELENGTH	YELLOW	585			nm	
	RED	635				
	GREEN	565				
DOMINANT WAVELENGTH	YELLOW	588			nm	
	RED	623				
	GREEN	569				
REVERSE CURRENT	YELLOW		100		μA	V <sub>R</sub> = 5V
	RED		100			
	GREEN		100			
VIEWING ANGLE	ALL	45		DEGREES		

ABSOLUTE MAXIMUM RATING AT 25 °C AMBIENT					
CHARACTERISTICS	YELLOW	RED	GREEN	UNITS	
POWER DISSIPATION	60	100	100	mW	
DERATE LINEARLY FROM 50°C	0.25	0.4	0.4	mA/°C	
CONTINUOUS FORWARD CURRENT	20	30	30	mA	
PEAK FORWARD CURRENT ( 1/10 DUTY CYCLE, 0.1 μs PULSE WIDTH)	80	120	120	mA	
REVERSE VOLTAGE	5			V	
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	260			°C	
OPERATING TEMPERATURE	-55	TO	+100	°C	
STORAGE TEMPERATURE	-55	TO	+100	°C	



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C-17265	C	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	SCALE: DRAWING SCALE	ALL DIM'S IN: INCHES (MM)
FRACTIONS: ±1/64		
DECIMALS (.XX): ±.02		
DECIMALS (.XXX): ±.015		
ANGLES: ±3°		
FINISH:		
Dialight	1501 ROUTE 34 SOUTH	FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: