

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

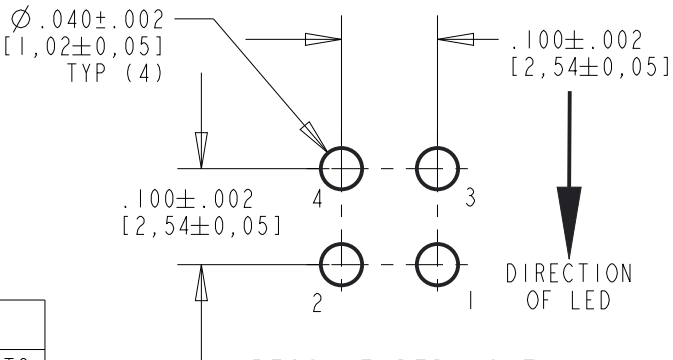
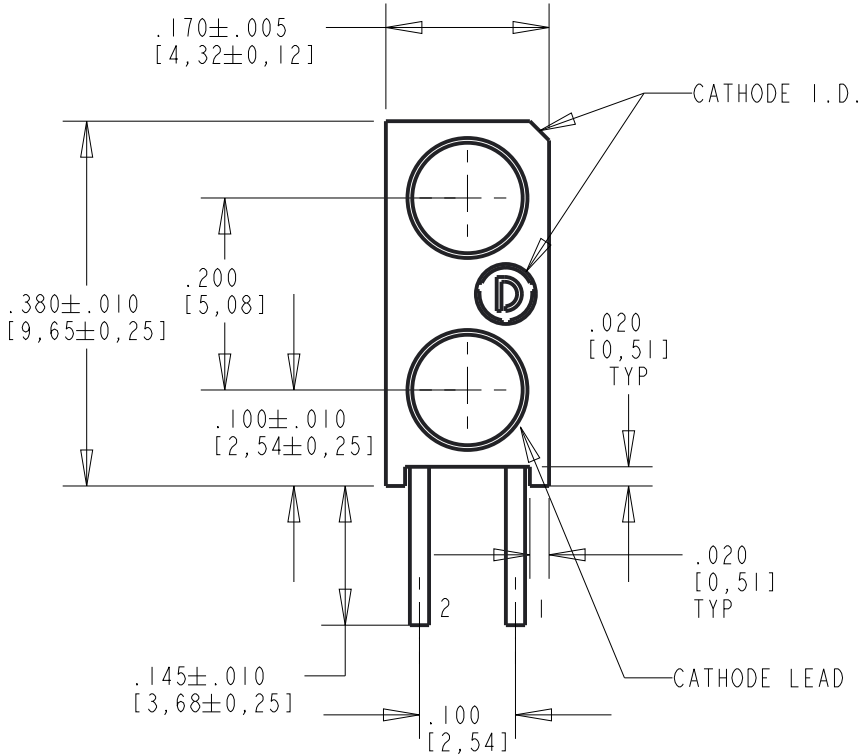
RoHS Compliant 553-22XXF Thru Hole Bi-level CBI

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.

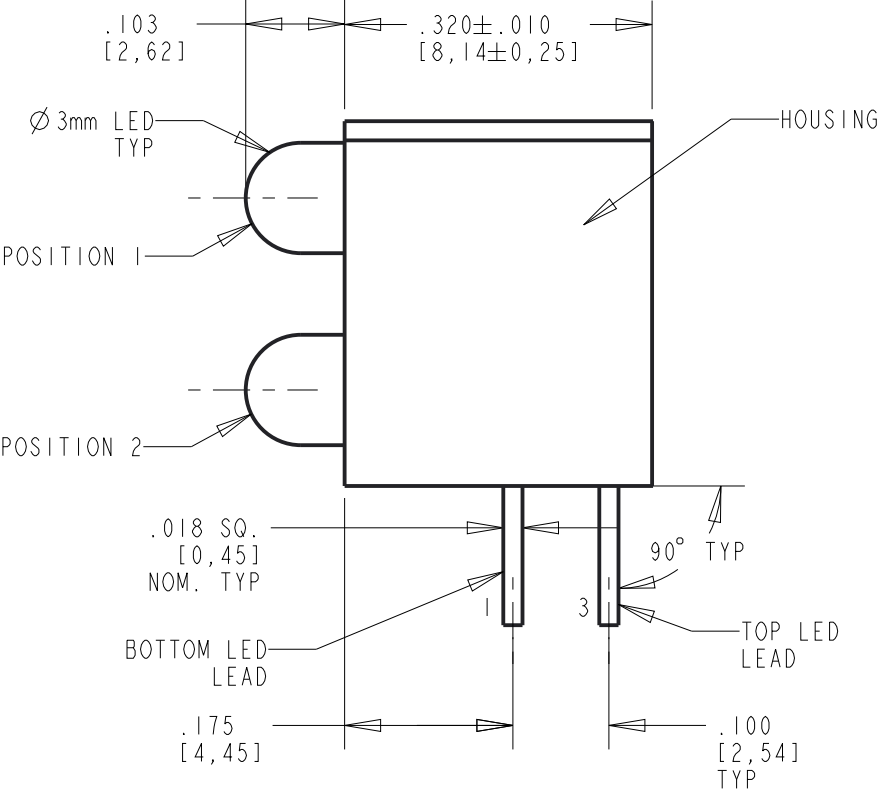
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC	TC	N.O.	7-11-05
B	—	553-2233F IN RoHS COMPLIANT NOTE TITLE WAS 550-2233F	TWC	—	—	—
C	—	ADDED P/N'S 553-2203F, -2211F, -2212F, 2222F,- 2223F, -2232F TO DRAWING; ADDED DUAL DIMS, LED SCHEMATIC, ESDS LOGO NOTE 3 & 5 TO DRAWING.	AJF	KLJ	NO	12-10-09
D	142306	REVISED NOTE 3	LD	CS		6-17-26

OPERATING TEMPERATURES AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	YELLOW	10	30	50	mcd	I _F = 10mA
	RED	8.7	29			
	GREEN	32	50			
FORWARD VOLTAGE	YELLOW		2.1	2.8	V	I _F = 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 _R = 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



- NOTES:
1. LEADS TO BE FIT INTO HOLES .040 DIA. SPACED AS PER PATTERN.
 2. LEAD DIMENSIONS MEASURED AT HOUSING EXIT.
 3. 50 UNITS TO BE PACKED IN A BAG
 4. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 5. DIALIGHT PART NUMBER 553-22XXF.
 6. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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SCALE: DRAWING SCALE	DRAWING NUMBER	REV
ALL DIM'S: INCH (mm)	C-17265	D
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3 mm BI-LEVEL Y-Y, RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.02 DECIMALS (.XXX): ±.015	MATERIAL	
ANGLES: ±3° FINISH	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727 (732) 919-3119 www.dialight.com	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE: