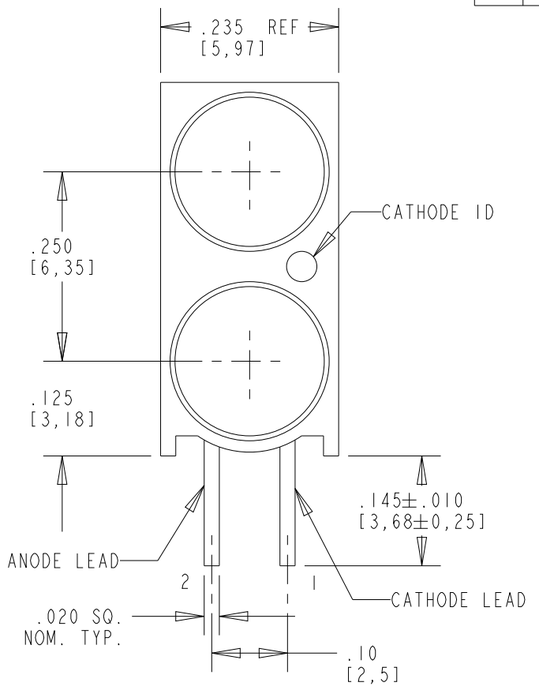
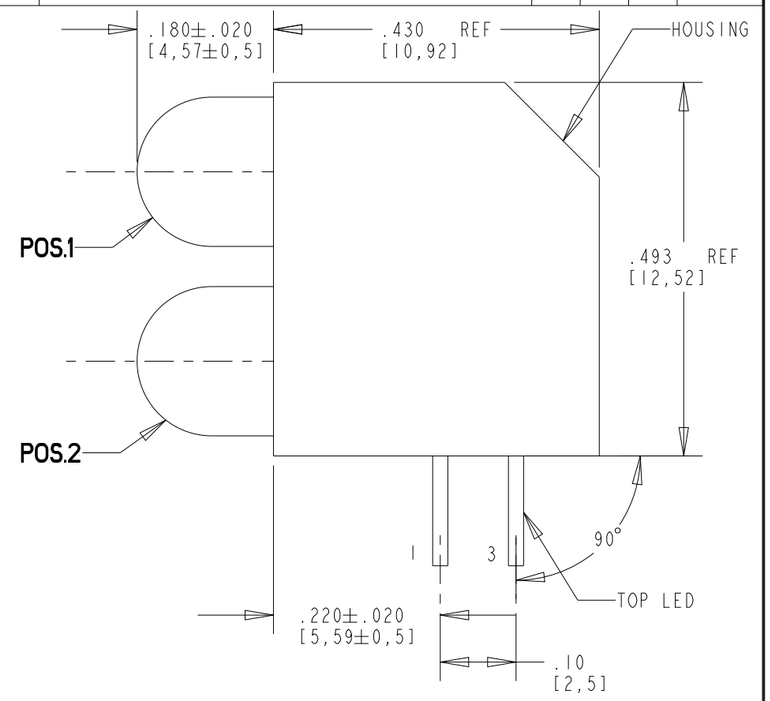
DIALIGHT PART NO.	POS.1	POS.2
552-0201F	**BLANK**	RED DIFFUSED
552-0202F	**BLANK**	GREEN DIFFUSED
552-0203F	**BLANK**	YELLOW DIFFUSED
552-0210F	RED DIFFUSED	**BLANK**
552-0211F	RED DIFFUSED	RED DIFFUSED
552-0212F	RED DIFFUSED	GREEN DIFFUSED
552-0213F	RED DIFFUSED	YELLOW DIFFUSED
552-0220F	GREEN DIFFUSED	**BLANK**
552-0221F	GREEN DIFFUSED	RED DIFFUSED
552-0222F	GREEN DIFFUSED	GREEN DIFFUSED
552-0223F	GREEN DIFFUSED	YELLOW DIFFUSED
552-0227F	GREEN DIFFUSED	ORANGE DIFFUSED
552-0230F	YELLOW DIFFUSED	**BLANK**
552-0231F	YELLOW DIFFUSED	RED DIFFUSED
552-0232F	YELLOW DIFFUSED	GREEN DIFFUSED
552-0233F	YELLOW DIFFUSED	YELLOW DIFFUSED
552-0277F	ORANGE DIFFUSED	ORANGE DIFFUSED

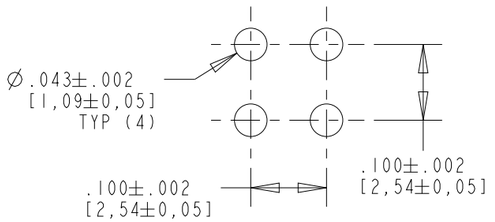
RoHS Compliant 552-02XXF Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 552-0210F
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.

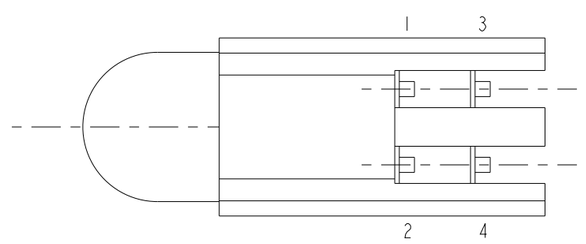
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	———	NEW RELEASE	SM	N.O.	MES	10-5-06
B	———	ADDED P/N'S 552-0202F,-0203F,-0211F,-0212F,-0213F, -0220F,-0221F,-0222F,-0223F,-0227F,-0230F,-0231F, -0232F,-0233F,-0277F; REMOVED PIN OUTS COLUMN; ADDED METRIC DIMS; ADDED GREEN AND YELLOW LED SPECS; UPDATED LED SCHEMATIC; ".180±.020" WAS ".173"; REMOVED "RED DIFFUSED" FROM TITLE BLOCK; CHANGED NOTE 3; ADDED NOTE 5.	KLJ			
C	92288	REVISED YELLOW SPEC	LD	NO		5-5-22







RECOMMENDED HOLE PATTERN



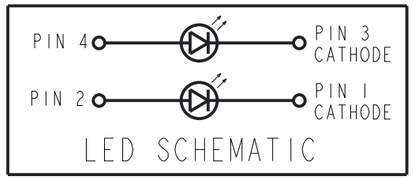
LENS COLOR	PEAK EMISSION WAVELENGTH (nm)	VIEW ANGLE (°) 2θ 1/2	LUMINOUS INTENSITY (mcd) I_F = 10 mA 25°		FORWARD VOLTAGE (V) I_F = 10 mA (V) I_F = 20 mA (YELLOW) 25°C		REVERSE CURRENT (μA); 25°C
			MIN	TYP	TYP	MAX	MAX
RED DIFFUSED	650	50	2.2	6.3	2.2	2.55	10 @ V_R = 3V
GREEN DIFFUSED	563	60	3.6	10.0	2.1	3.0	10 @ V_R = 3V
YELLOW DIFFUSED	585	50	19	40	2.1	2.6	100 @ V_R = 5V
ORANGE DIFFUSED	600	60	4.0	7.0	1.9	2.4	100 @ V_R = 5V

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	COLOR				UNITS
	RED	GREEN	YELLOW	ORANGE	
POWER DISSIPATION	60	75	52	135	mW
CONTINUOUS FORWARD CURRENT	20	25	20	30	mA
PEAK FORWARD CURRENT (1/5 DUTY PULSE, 1ms WIDTH FOR RED & GRN) (10μs PULSE WIDTH FOR ORG) (DUTY CYCLE ∠= 1/10, PULSE WIDTH∠=10us FOR YEL	60	80	60	500	mA
REVERSE VOLTAGE	3		5		V
SOLDERING TEMPERATURE (.063 IN FROM BODY FOR 5 SEC)	260				°C
OPERATING TEMPERATURE	-25 TO +85		-40 TO +85	-55 TO +100	°C
STORAGE TEMPERATURE	-30 TO +100		-40 TO +100	-55 TO +100	°C

NOTES:

1. LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
2. LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
3. DIALIGHT PART NUMBERS: 552-02XXF.
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. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES



LED SCHEMATIC

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SCALE: DRAWING SCALE
ALL DIM's: INCH (mm)
TOLERANCES: UNLESS OTHERWISE SPECIFIED
FRACTIONS: ±1/64
DECIMALS (.XX): ±.01
DECIMALS (.XXX): ±.005
DECIMALS (.XXXX): ±.0005
ANGLES: ±1°
FINISH
FSCM 83330

DRAWING NUMBER: C-17423
REV: C
TITLE: 5mm CBI BI-LEVEL RoHS COMPLIANT
MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727
(732) 919-3119
www.dialight.com

SHEET 1 OF 1
FAMILY TABLE: