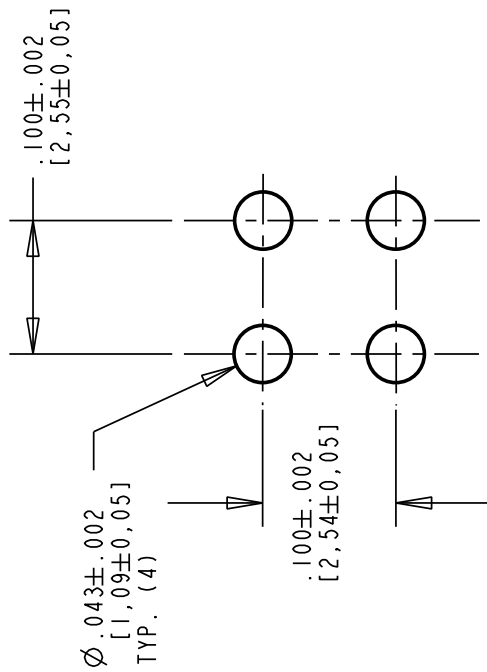
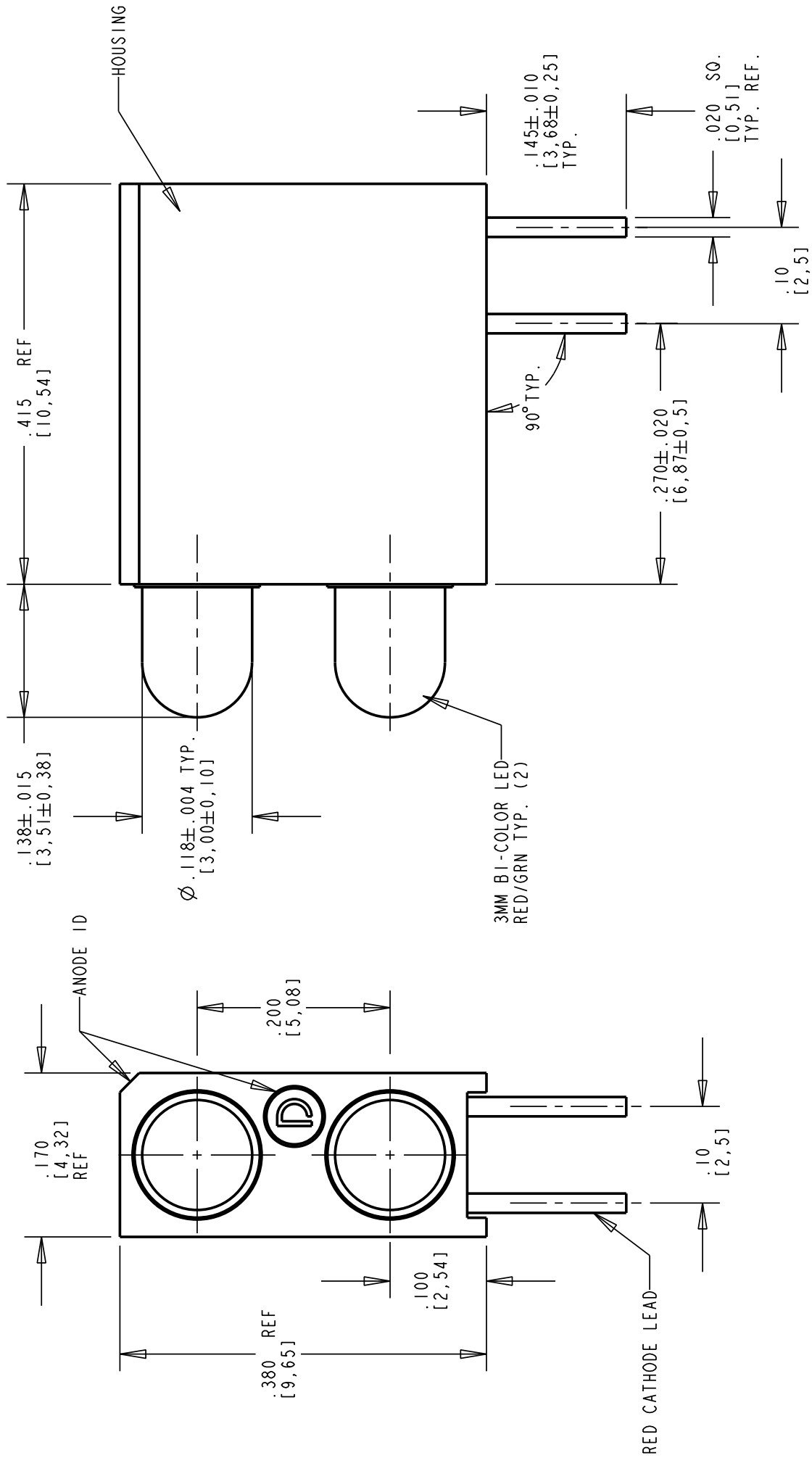


PART NUMBER	LED COLOR	
	POSITION 1	POSITION 2
553-0711-200F	RED/GREEN	RED/GREEN
553-0741-200F	YELLOW/GREEN	RED/GREEN
553-0744-200F	YELLOW/GREEN	YELLOW/GREEN



RECOMMENDED PC BOARD HOLE PATTERN

RED/GREEN LED

ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT

POWER DISSIPATION	100 mW
DERATE LINEARLY FROM 50 °C	.40 mA/°C
CONTINUOUS FORWARD CURRENT	30 mA
PEAK FORWARD CURRENT (10 ms PULSE WIDTH, 1/10 DUTY)	120 mA
PEAK REVERSE VOLTAGE	5 V
LEAD SOLDERING TEMPERATURE, 6 SEC., 1/16" FROM BASE	260° C
OPERATING TEMPERATURE	-55° C TO +100° C
STORAGE TEMPERATURE	-55° C TO +100° C

OPERATING CHARACTERISTICS AT 25 °C AMBIENT

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN RED	3.7 2.5	10.0 4.7		mcd	$I_F = 10 \text{ mA}$
FORWARD VOLTAGE	GREEN RED		2.1 2.0	2.8	V	$I_F = 20 \text{ mA}$
REVERSE CURRENT	GREEN RED			100	μA	$V_R = 5 \text{ V}$
PEAK WAVELENGTH	GREEN RED		565 635		nm	$I_F = 20 \text{ mA}$
2 X 1/2- INTENSITY ANGLE	GREEN RED		60		DEGREES	$I_F = 20 \text{ mA}$
CAPACITANCE	GREEN RED		35 20		pF	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN YELLOW	2.5 2.5	6.3 4.3		mc d	$I_f = 10 \text{ mA}$
FORWARD VOLTAGE	GREEN YELLOW		2.1	2.8	V	$I_f = 20 \text{ mA}$
PEAK WAVELENGTH (λ_p)	GREEN YELLOW		565 585		nm	
DOMINANT WAVELENGTH (λ_d)	GREEN YELLOW YELLOW (Y2)	585 583	569	589 587	nm	MEASURED ON EXELTRON 2001
VIEWING ANGLE (2θ 1/2)	GREEN YELLOW		80		DEGREES	
CAPACITANCE	GREEN YELLOW		35 15		pF	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$

OPERATING CHARACTERISTICS AT 25 °C AMBIENT

YELLOW/GREEN LED

ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT

	GREEN	YELLOW	UNITS
POWER DISSIPATION			
DERATE LINEARLY FROM 50 ° C			
CONTINUOUS FORWARD CURRENT	0.4	0.25	mW / °C
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	30	20	mA
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	120	80	mA
OPERATING TEMPERATURE		260	°C
STORAGE TEMPERATURE	-55 TO +100		°C
	-55 TO +100		°C

NOTES:

1. 1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
2. LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
3. PIN NUMBER FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
4. DILAIGHT PART NUMBERS: 553-0711-200F, 553-0741-200F & 553-744-200F.
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

RoHS Compliant 553-07XX-200F Thru hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 553-0111-200F
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.



**ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES**

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. NO REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS OF THIS DRAWING ARE TO BE FORWARDED WITHOUT THE WRITTEN CONSENT OF DIALIGHT.	
SCALE: 5.000	DRAWING NUMBER
ALL DIM'S IN: INCHES (MM)	C-17530
TOLERANCES: UNLESS OTHERWISE SPECIFIED	REV A
FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .005$ DECIMALS (.XXXX): $\pm .0005$ ANGLES: $\pm 1^\circ$	TITLE 3MM BI-LEVEL CBI WITH BI-COLOR LED ROHS COMPLIANT
FINISH:	MATERIAL
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1	FAMILY TABLES: