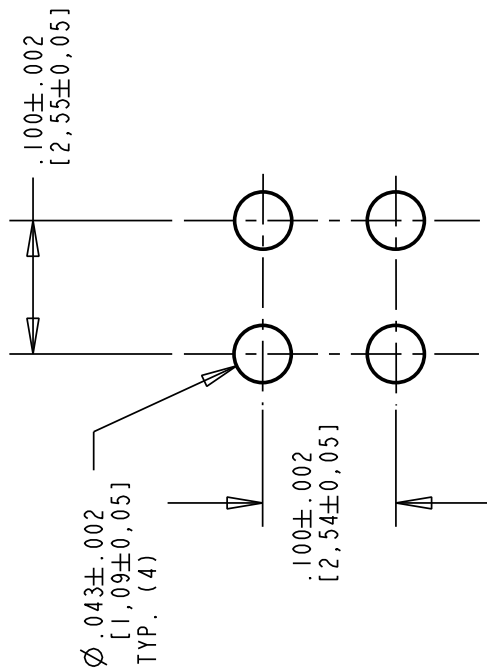
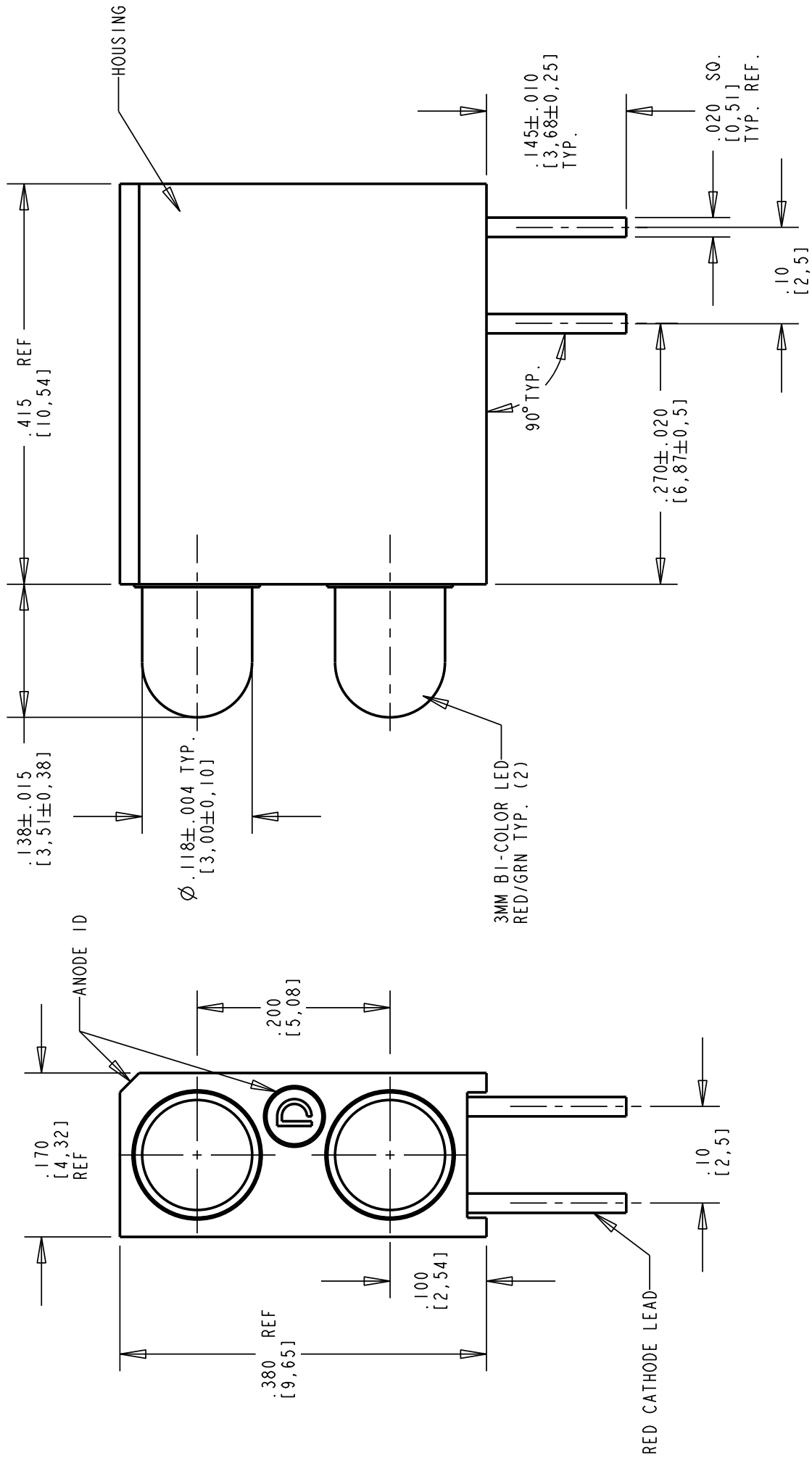


PART NUMBER	LED COLOR	
	POSITION 1	POSITION 2
553-0711-200F	RED/GREEN	RED/GREEN
553-0741-200F	YELLOW/GREEN	RED/GREEN
553-0744-200F	YELLOW/GREEN	YELLOW/GREEN



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		mcd	$I_F = 10 \text{ mA}$
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	100	60	mW
CONTINUOUS FORWARD CURRENT	0.4	0.25	mA / °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	°C
OPERATING TEMPERATURE	-55 TO +100	260	°C
STORAGE TEMPERATURE	-55 TO +100		°C

NOTES:

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**

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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: