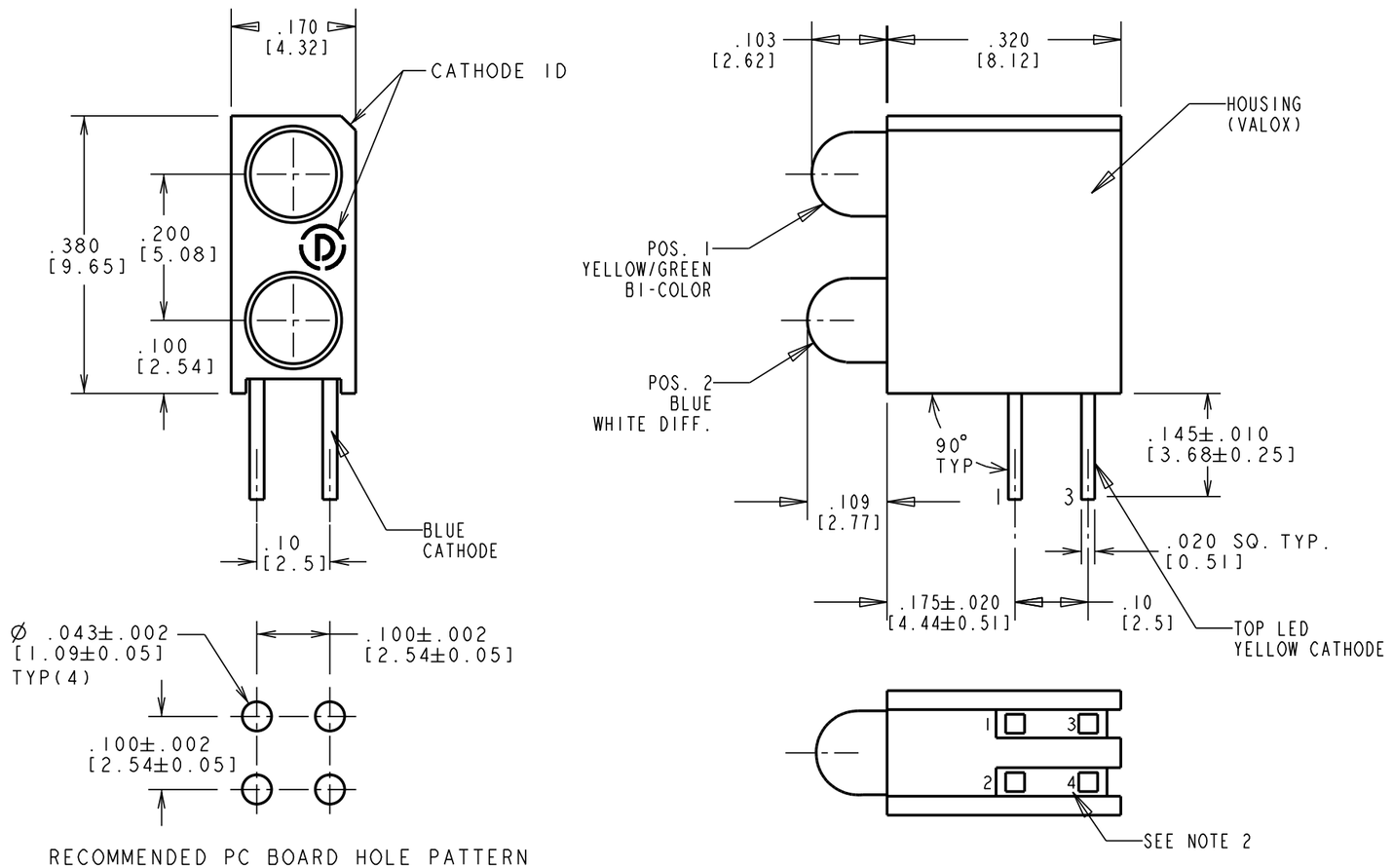
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	———	NEW RELEASE	KLJ			

BLUE (WHITE DIFFUSED) LED OPERATING CHARACTERISTICS AT TA=25°C					
CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST COND.
FORWARD VOLTAGE		3.5	4.1	V	I_F=10 mA
PEAK WAVELENGTH		428		nm	
DOMINANT WAVELENGTH	462	465	468	nm	
LUMINOUS INTENSITY	7.1	12.5	18	mcd	I_F=10 mA
VIEWING ANGLE		70		DEG	

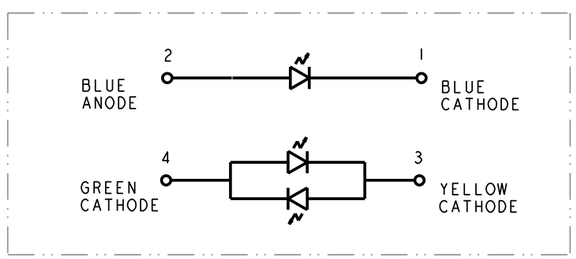
BLUE (WHITE DIFFUSED) LED		
ABSOLUTE MAXIMUM RATING AT 25 °C AMBIENT		UNITS
POWER DISSIPATION	90	mW
CONTINUOUS FORWARD CURRENT	20	mA
DERATE LINEARLY FROM 55°C	0.44	mA/°C
PEAK PULSE CURRENT, 10µs PULSE	120	mA
REVERSE VOLTAGE	5	V
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BASE	260	°C
OPERATING TEMPERATURE	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C

YELLOW/GREEN BI-COLOR LED OPERATING CHARACTERISTICS AT TA=25°C						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST COND.
FORWARD VOLTAGE	YELLOW GREEN		2.1	2.8	V	I_F=20 mA
PEAK WAVELENGTH	YELLOW GREEN		585 565		nm	
DOMINANT WAVELENGTH	YELLOW (Y2) YELLOW (Y3) GREEN	583 585	 569	587 589	nm	MEASURED ON EXELTRON 2001
LUMINOUS INTENSITY	YELLOW GREEN	2.5	6.3 4.3		mcd	I_F=10 mA
VIEWING ANGLE	YELLOW GREEN		80		DEG	I_F=20 mA

YELLOW/GREEN BI-COLOR LED			
ABSOLUTE MAXIMUM RATING AT 25 °C AMBIENT	GREEN	YELLOW	UNITS
POWER DISSIPATION	100	60	mW
CONTINUOUS FORWARD CURRENT	30	20	mA
DERATE LINEARLY FROM 50°C	0.40	0.25	mA/°C
PEAK PULSE CURRENT, 10µs PULSE	120	80	mA
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BASE	260		°C
OPERATING TEMPERATURE	-55 TO +100		°C
STORAGE TEMPERATURE	-55 TO +100		°C



RECOMMENDED PC BOARD HOLE PATTERN



SCHEMATIC

NOTES:

1. LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
2. PIN NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PART.
3. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
4. DIALIGHT PART NUMBER: 553-0748-857F.
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 553-0748-857F

Part Numbers with the "F" suffix ending are RoHS Compliant. Reel and bag packaging are marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.

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SCALE: DRAWING SCALE
ALL DIM'S IN: INCHES (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-17566
REV A
TITLE 3mm LED BI-LEVEL CBI RoHS COMPLIANT
MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

SHEET 11 OF 11
FAMILY TABLE: