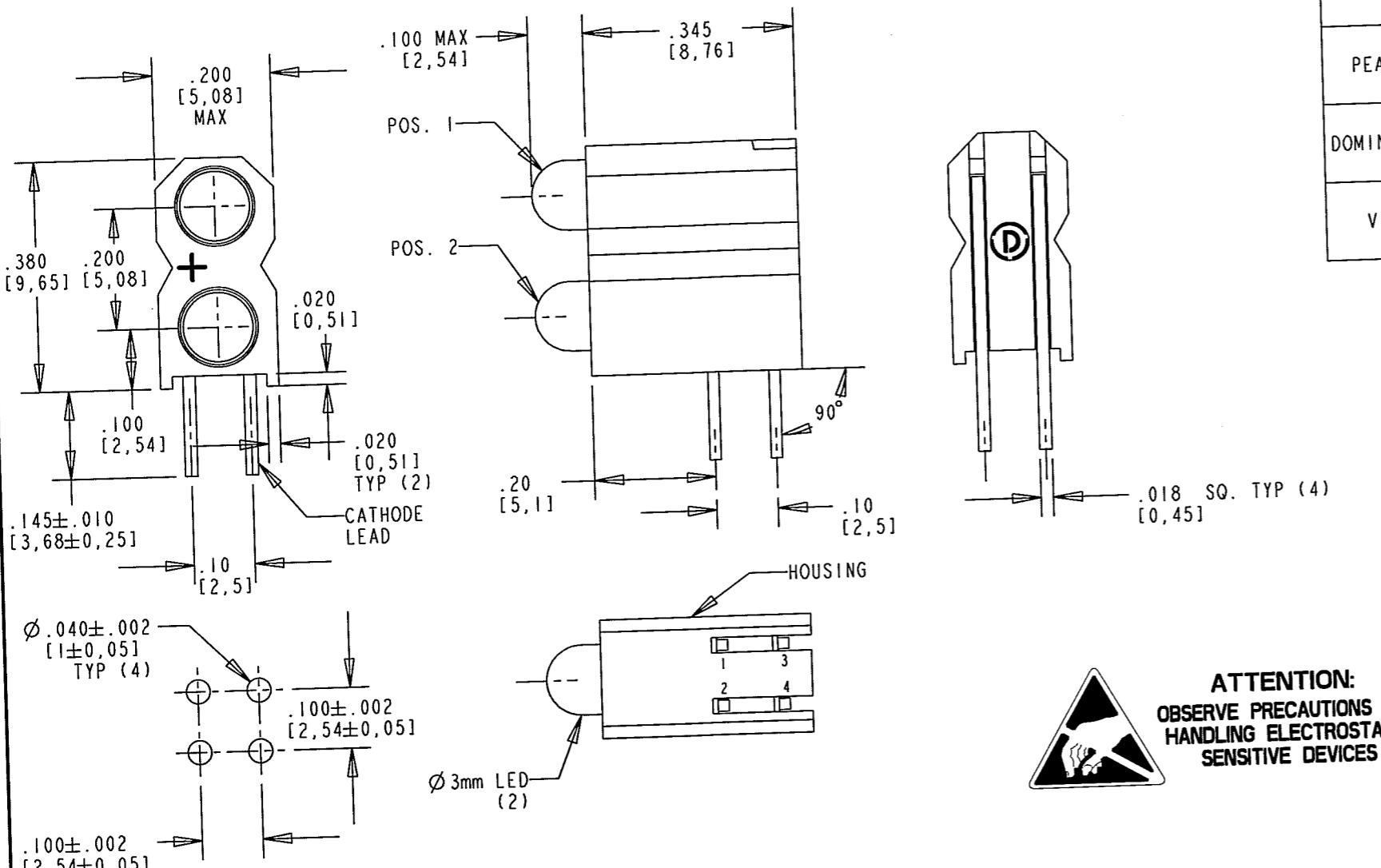


PART NUMBER	LED COLOR	
	POSITION 1	POSITION 2
553-2232-802F	AlInGaN YELLOW WATER CLEAR	InGaN GREEN WATER CLEAR

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC	N.O.	MES	2-8-06
B		UPDATED YELLOW LED SPECIFICATIONS	SM	N.O.	MES	2-8-06
C		".10" WAS ".100" (2X), ".20" WAS ".200", MAX GREEN LUM. INT "710" WAS "1120", GREEN TEST COND. "IF = 10mA" WAS "IF = 20mA", ADDED METRIC DIMS, REMOVED ".115±.010", ".200" WAS ".800".	KLJ	W.B. 10		4/4/08

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	AlInGaN YELLOW	InGaN GREEN	UNITS
DERATE LINEARLY FROM 70°C YELLOW / 65°C GREEN	0.4	0.57	mA/°C
CONTINUOUS FORWARD CURRENT	30	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	60		mA
PEAK FORWARD CURRENT $\leq$ t10ms, D=0.005		250	mA
OPERATING TEMPERATURE	-40 TO +100	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100		°C
POWER DISSIPATION	75	80	mW



RECOMMENDED PC BOARD HOLE PATTERN

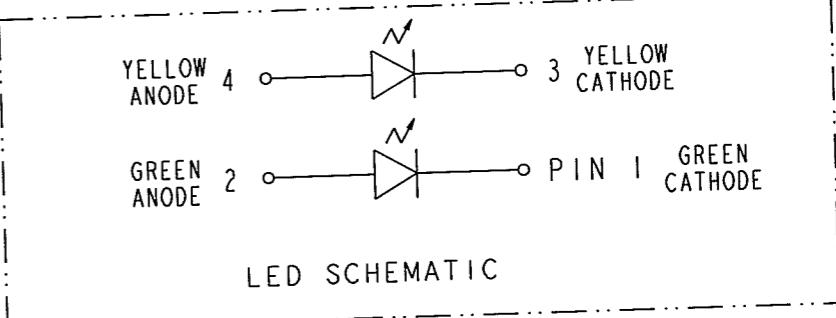
ATTENTION:  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES



NOTES:

1. LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
2. LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING.
3. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTANT ON PART.
4. DIALIGHT PART NUMBER 553-2232-802F
5. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
CHARACTERISTICS		MIN	TYP	MAX	UNITS
LUMINOUS INTENSITY	GREEN	280		710	mcd
	YELLOW	180	320		
FORWARD VOLTAGE	GREEN	2.7	3.0	3.7	V
	YELLOW		2.0	2.4	
REVERSE CURRENT	GREEN		0.01	10	μA
	YELLOW			100	
PEAK WAVELENGTH	GREEN		523		nm
	YELLOW		588		
DOMINANT WAVELENGTH	GREEN	523	532	541	nm
	YELLOW	586	589	592	
VIEWING ANGLE	GREEN		30		Degree
	YELLOW		56		



#### RoHS Compliant 553-2232-802F Bi-Level Thru Hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant. 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.

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C-17359	C
DRAWING NUMBER	
TITLE BI-LEVEL CBI RoHS COMPLIANT	
MATERIAL	
Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE

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