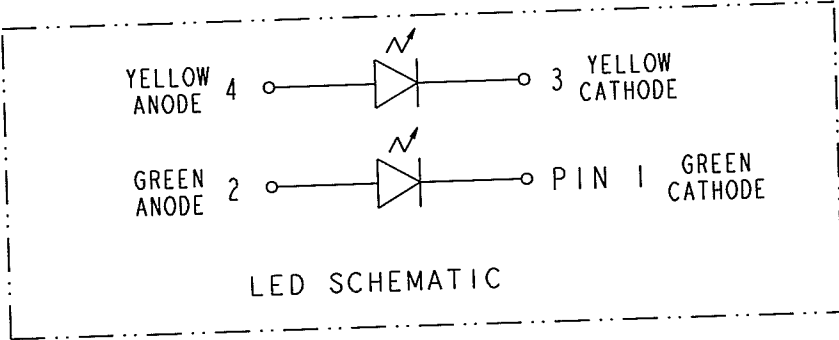
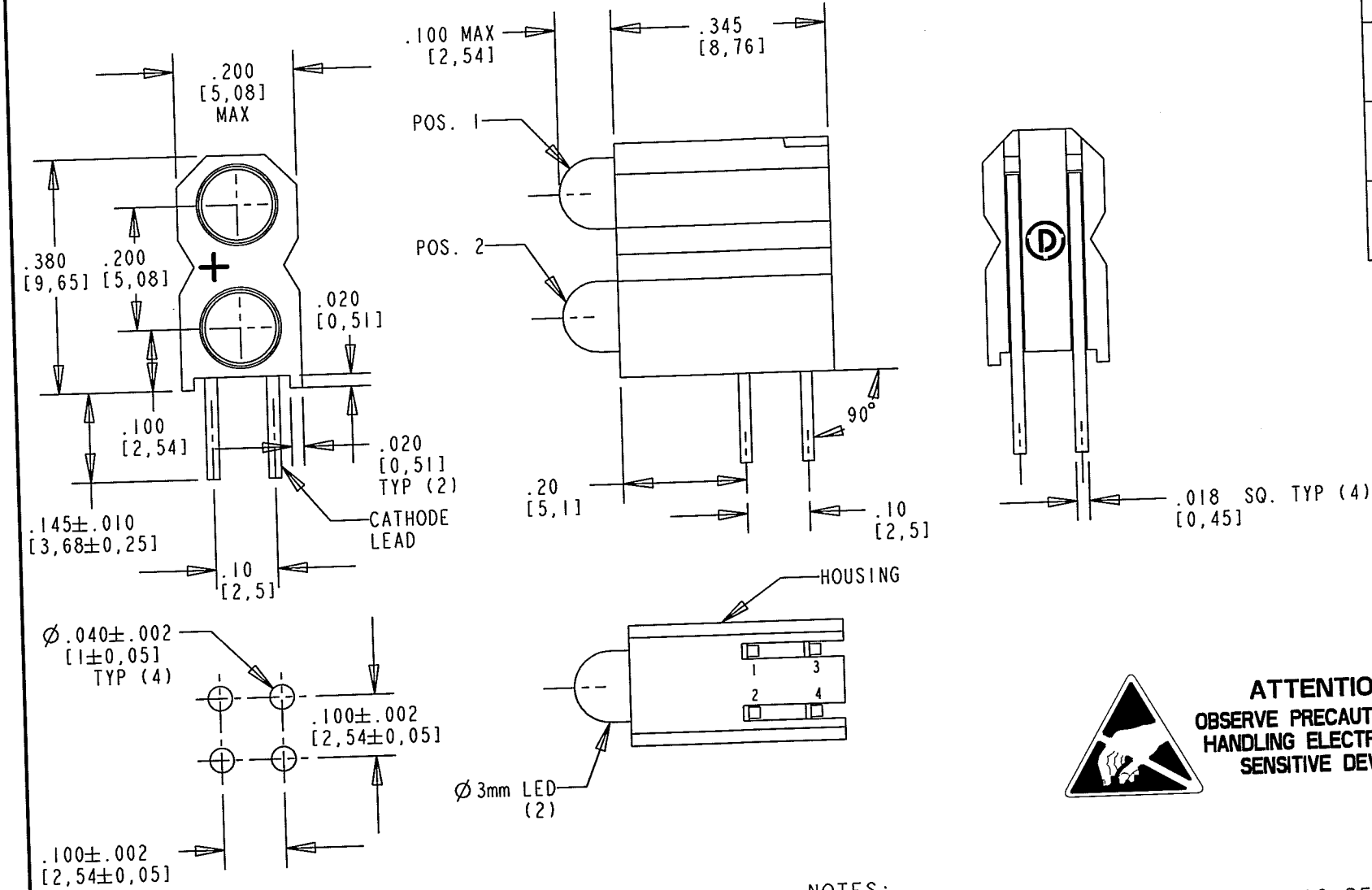


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC	N.O.	MES	2-8-06
B		UPDATED YELLOW LED SPECIFICATIONS	SM	N.O.	MES	2-8-06
C		".10" WAS ".100" (2X), ".20" WAS ".200", MAX GREEN LUM. INT "710" WAS "1120", GREEN TEST COND. "IF = 10mA" WAS "IF = 20mA", ADDED METRIC DIMS, REMOVED ".115±.010", ".200"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

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

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	AlInGaP 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 ≤ 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

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS		MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	280		710	mcd	I _F = 10 mA
	YELLOW	180	320			I _F = 20 mA
FORWARD VOLTAGE	GREEN	2.7	3.0	3.7	V	I _F = 10 mA
	YELLOW		2.0	2.4		I _F = 20 mA
REVERSE CURRENT	GREEN		0.01	10	µA	V _R = 5 V
	YELLOW			100		
PEAK WAVELENGTH	GREEN		523		nm	I _F = 10 mA
	YELLOW		588			I _F = 20 mA
DOMINANT WAVELENGTH	GREEN	523	532	541	nm	I _F = 10 mA
	YELLOW	586	589	592		I _F = 20 mA
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.



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.

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.		
SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17359	REV C
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE BI-LEVEL CBI RoHS COMPLIANT	MATERIAL
FINISH:	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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553-2232-802F