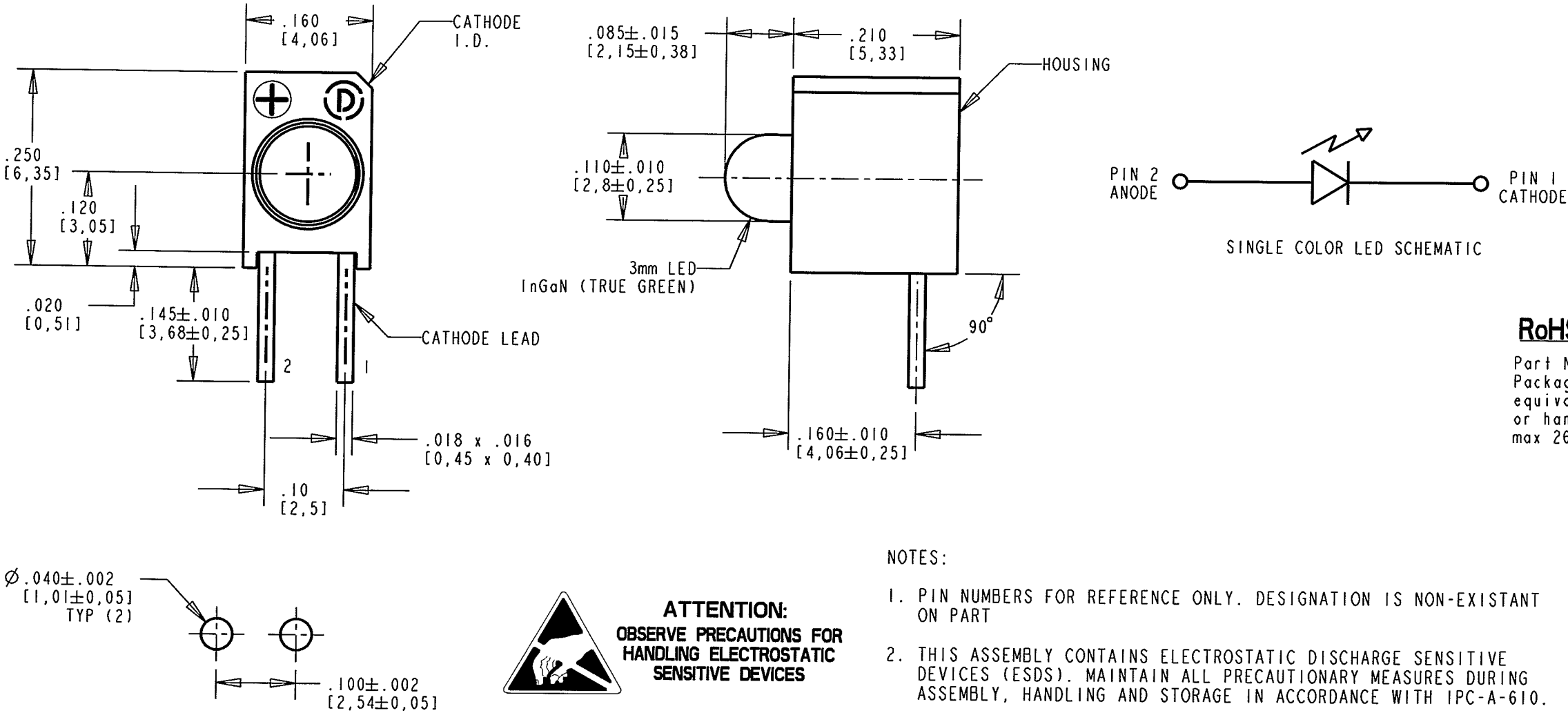


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	SM	AE	N.O.	4-9-07
B		".085±.015" WAS ".085", ".160±.010" WAS ".160", ".10" WAS ".100", ".110±.010" WAS ".115±.010", ANGLE TOLERANCE "3°" WAS "1°", ADDED METRIC DIMENSIONS, MAX LUM. INT. "710" WAS "1120", MIN VF "2.7" WAS "2.9", TYP VF "3.0" WAS "3.3", MAX VF "3.7" WAS "3.9", MIN DOM. WAV. "523" WAS "519", TYP DOM. WAV. "532" WAS "528", MAX DOM. WAV. "541" WAS "537", TEST COND. "IF = 10mA" WAS "IF = 20mA".	KLJ	MA		4/4/09

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	COLOR TRUE GREEN	UNITS
POWER DISSIPATION	80	mW
CONTINUOUS FORWARD CURRENT	20	mA
REVERSE VOLTAGE	5	V
OPERATING TEMPERATURE	-55 TO +100	°C
STORAGE TEMPERATURE	-55 TO +100	°C

OPERATING CHARACTERISTICS AT 25°C AMBIENT					
CHARACTERISTICS	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	280		710	mcd	I _F = 10 mA
FORWARD VOLTAGE	2.7	3.0	3.7	V	I _F = 10 mA
REVERSE CURRENT		0.01	10	μA	V _R = 5 V
PEAK WAVELENGTH		523		nm	I _F = 10 mA
DOMINANT WAVELENGTH	523	532	541	nm	I _F = 10 mA
VIEWING ANGLE		30		Degree	



RoHS Compliant 551-5909-805F 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.

NOTES:

- PIN NUMBERS FOR REFERENCE ONLY. DESIGNATION IS NON-EXISTANT ON PART
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- DIALIGHT PART NUMBER: 551-5909-805F



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17457	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: $\pm 1/64$	3mm LED CBI InGaN	
DECIMALS (.XX): $\pm .01$	TRUE GREEN, RoHS COMPLIANT	
DECIMALS (.XXX): $\pm .005$	MATERIAL	
DECIMALS (.XXXX): $\pm .0005$		
ANGLES: $\pm 3^\circ$		
FINISH:		
FSCM	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
83330		
SHEET	I OF I	FAMILY TABLE: