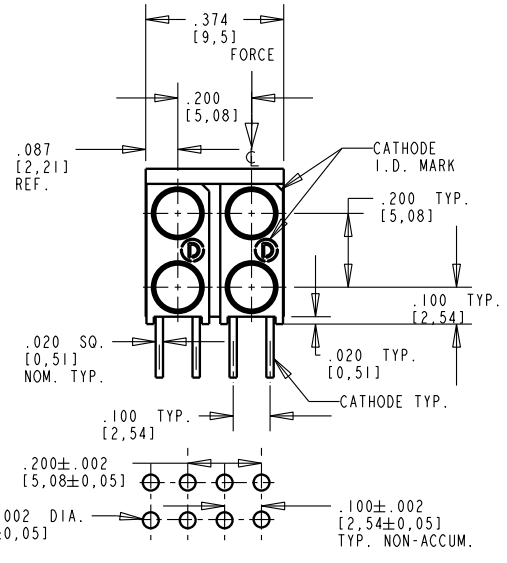
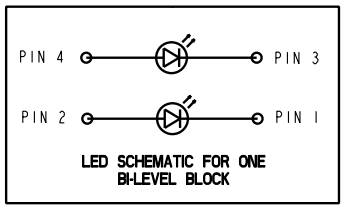
Downloaded from Elcodis.com electronic components distributor

PART NUMBER	LED COLOR	
	POSITION 1	POSITION 2
553-0102-002F	BLANK	GREEN DIFF.
553-0112-002F	RED DIFF.	GREEN DIFF.
553-0122-002F	GREEN DIFF.	GREEN DIFF.

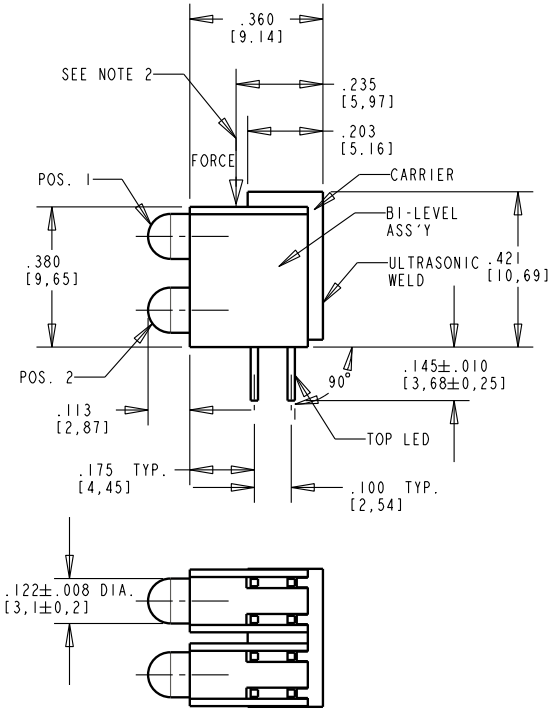
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	———	NEW RELEASE	JLC			



RECOMMENDED HOLE PATTERN GAUGE



LED SCHEMATIC FOR ONE
BI-LEVEL BLOCK



NOTES:

1. LEADS TO FIT INTO .043 DIA. HOLES SPACED AS PATTERN.
2. WELDING FLASH .010 MAX. ON BOTH ENDS IS PERMISSIBLE. WELDING JOINT MUST WITHSTAND 5 LB. MIN. FORCE/BILEVEL HOUSING, APPLIED AS PER DRAWING.
3. LEAD DIMENSION SHOWN ARE MEASURED AT HOUSING EXIT.
4. PACKAGE PARTS IN TUBE WITH ASSOCIATED END PLUG (19 PC'S PER TUBE)
5. REFER TO DIALIGHT PART NUMBER 553-01XX-002F
6. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
7. DIE: GaP (GREEN DIFFUSED)
   GaAs (RED DIFFUSED)

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

RoHS Compliant 553-01XX-002F
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.

OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN RED	5.6 3.6	16.0 10.0		mcd	I_F = 10 mA
FORWARD VOLTAGE	GREEN RED		2.1 2.0	3.0 3.0	V	I_F = 10 mA
REVERSE CURRENT REVERSE VOLTAGE	GREEN RED	--- 3.0		10 ---	mA	V_R = 3 V
PEAK WAVELENGTH	GREEN RED		563 650		nm	
VIEW ANGLE	GREEN RED		45		DEGREE	I_F = 10 mA

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT	COLOR	GREEN DIFF.	UNITS
POWER DISSIPATION	GREEN DIFF. RED DIFF.	75 60	mW
CONTINUOS FORWARD CURRENT	GREEN DIFF. RED DIFF.	25 20	mA
DERATE LINEARLY FROM 50°C	GREEN DIFF. RED DIFF.	0.50	mA/°C
PEAK FORWARD CURRENT	GREEN DIFF. RED DIFF.	60	mA
LEAD SOLDERING TEMPERATURE 5 SEC., 1/16" FROM BASE	GREEN DIFF. RED DIFF.	260	°C
PEAK REVERSE VOLTAGE	GREEN DIFF. RED DIFF.	3 3	V
OPERATING TEMPERATURE	GREEN DIFF. RED DIFF.	-25 TO +85	°C
STORAGE TEMPERATURE	GREEN DIFF. RED DIFF.	-30 TO +100	°C

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: 3.000
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-17557
REV A
TITLE 3mm BI-LEVEL LED ARRAY CBI RoHS COMPLIANT
MATERIAL

Dialight
1501 ROUTE 34 SOUTH
FARMINGDALE, NJ 07727

SHEET 1 OF 1
FAMILY TABLE: