

PART NUMBER AND LEGEND	LED COLOR			REVISIONS			
	POSITION 1	POSITION 2	POSITION 3	REV	ECN No	DRN	DATE
564-0700-100F	RED / GREEN	** BLANK **	** BLANK **	A	—	TWC	5-19-06
564-0700-101F	RED / GREEN	** BLANK **	RED / GREEN	A	—	TWC	5-19-06
564-0700-110F	RED / GREEN	RED / GREEN	** BLANK **	A	—	TWC	5-19-06
564-0700-111F	RED / GREEN	RED / GREEN	RED / GREEN	A	—	TWC	5-19-06
564-0700-141F	RED / GREEN	YELLOW / GREEN	RED / GREEN	A	—	TWC	5-19-06
564-0700-144F	RED / GREEN	YELLOW / GREEN	YELLOW / GREEN	A	—	TWC	5-19-06
564-0700-414F	YELLOW / GREEN	RED / GREEN	YELLOW / GREEN	A	—	TWC	5-19-06
564-0700-440F	YELLOW / GREEN	YELLOW / GREEN	** BLANK **	A	—	TWC	5-19-06
564-0700-441F	YELLOW / GREEN	YELLOW / GREEN	RED / GREEN	A	—	TWC	5-19-06
564-0700-444F	YELLOW / GREEN	YELLOW / GREEN	YELLOW / GREEN	A	—	TWC	5-19-06

NOTES:

- 1- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN
- 2- LEADS TO BE FREE OF DEFORMATION AFTER BENDING AND CUTTING
- 3- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- 4- WHEN A ZERO APPEARS IN THE LAST 3 DIGITS OF THE PART NUMBER THIS MEANS NO LAMP REQUIRED IN THAT POSITION
- 5- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS
- 6- DIALIGHT PART NUMBER: 564-0700-XXXX
- 7- 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 FOR YELLOW / GREEN

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN YELLOW	2.5 2.5	6.3 4.3	15 15	mcd	I _f = 10 mA
FORWARD VOLTAGE	GREEN YELLOW		2.1	2.8	V	I _f = 20 mA
PEAK WAVELENGTH (λ _p)	GREEN YELLOW		565 585		nm	
DOMINANT WAVELENGTH (λ _d)	GREEN YELLOW (Y3) YELLOW (Y2)	563 585 583	569	572 589 587	nm	MEASURED ON EXELTRON 2001
VIEWING ANGLE (2 Θ 1/2)	GREEN YELLOW		80		DEGREES	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT FOR YELLOW / GREEN

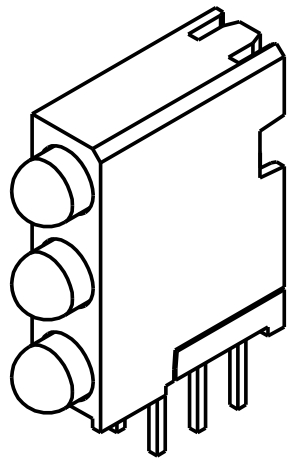
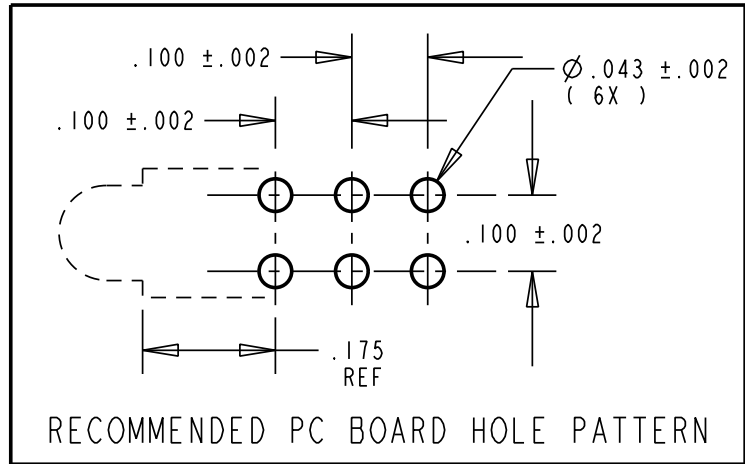
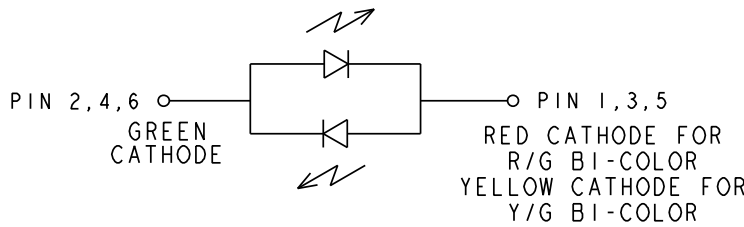
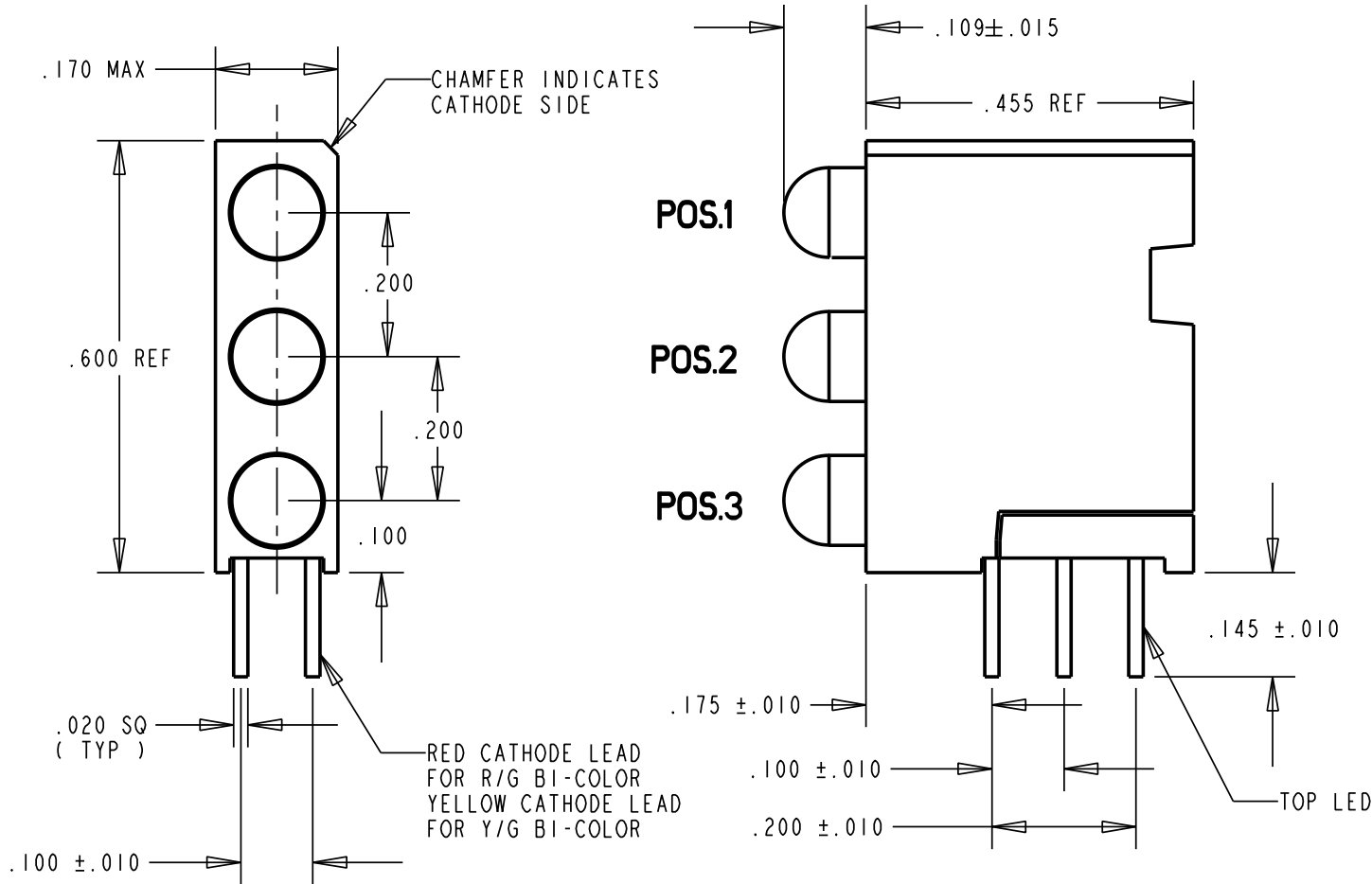
	GREEN	YELLOW	UNITS
POWER DISSIPATION	100	60	mW
DERATE LINEARLY FROM 50 °C	0.4	0.25	mA/ °C
CONTINUOUS FORWARD CURRENT	30	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	120	80	mA
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	260		°C
OPERATING TEMPERATURE	-55 TO +100		°C
STORAGE TEMPERATURE	-55 TO +100		°C

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT FOR RED / GREEN

POWER DISSIPATION	100 mW
DERATE LINEARLY FROM 50°C	.40 mA/°C
CONTINUOUS FORWARD CURRENT	30 mA
PEAK FORWARD CURRENT (10 ms PULSE WIDTH, 1/10 DUTY)	120 mA
PEAK REVERSE VOLTAGE	5 V
LEAD SOLDERING TEMPERATURE, 6 SEC., 1/16" FROM BASE	260° C
OPERATING TEMPERATURE	-55° C TO +100° C
STORAGE TEMPERATURE	-55° C TO +100° C

OPERATING CHARACTERISTICS AT 25°C AMBIENT FOR RED / GREEN						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
FORWARD VOLTAGE	RED		2.0	2.8	V	I _f = 20 mA
	GREEN		2.1	2.8		
REVERSE CURRENT	RED			100	μA	V _R = 5V
	GREEN					
PEAK WAVELENGTH	RED		635		nm	I _f = 20 mA
	GREEN		565			
DOMINANT WAVELENGTH	RED	630	635	640	nm	I _f = 20 mA
	GREEN	563	569	572		
VIEWING ANGLE	RED		60		DEGREE	I _f = 20 mA
	GREEN					
LUMINOUS INTENSITY	RED	2.5	4.7	15	mcd	I _f = 10 mA
	GREEN	3.7	10.0	20		

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



RoHS Compliant 597-0700-XXXX Bi-color Thru hole CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 597-0700-111F
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

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17408	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE STANDARD 3XI CBI BLOCK RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1	FAMILY TABLE:	