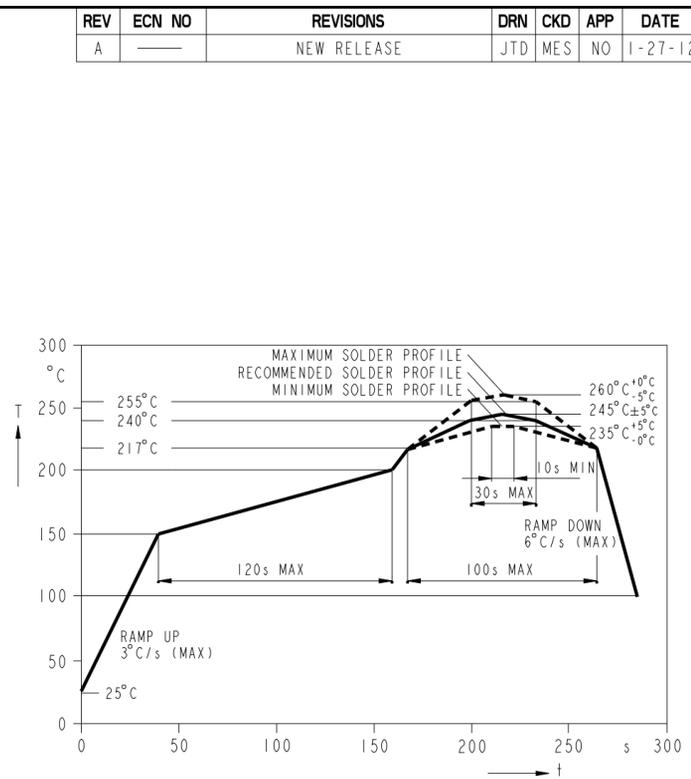
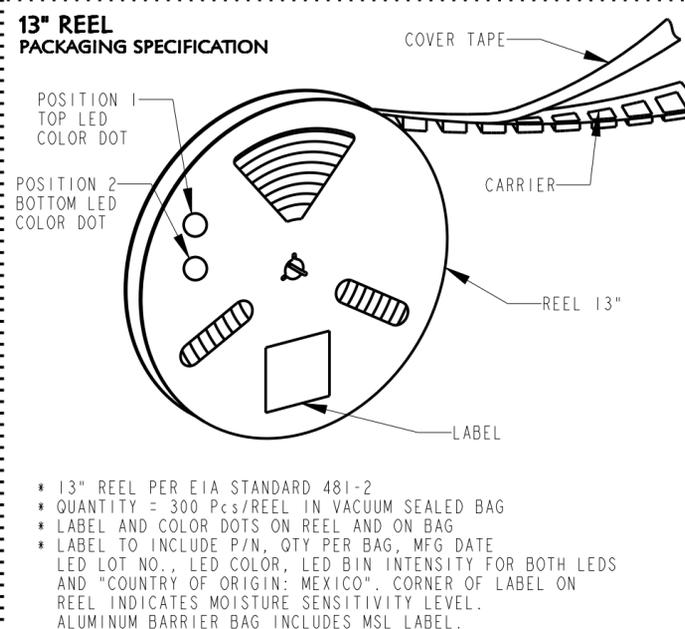
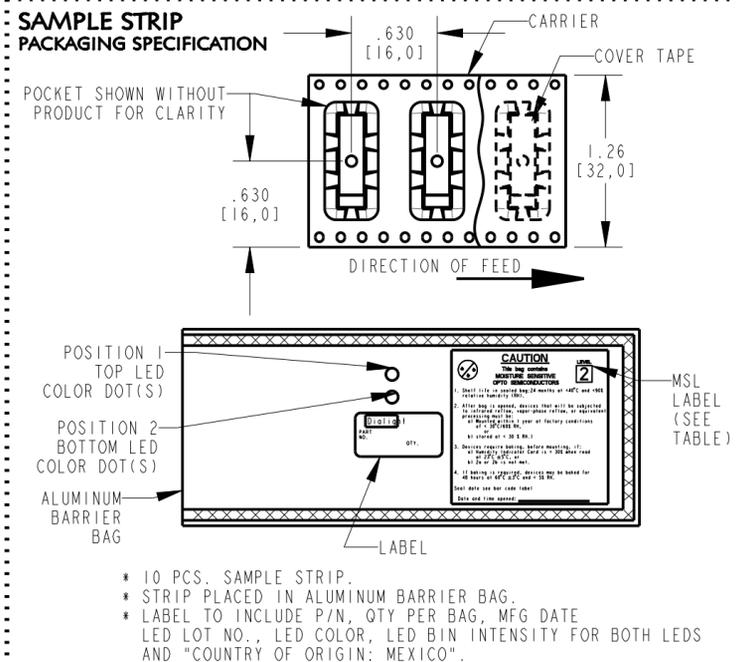


DIALIGHT PART NUMBER	PACKAGING	POSITION 1	POSITION 2	MSL
592-1010-302F	SAMPLE STRIP	RED	RED	2
592-1010-313F	13" REEL	RED	RED	2
592-1313-302F	SAMPLE STRIP	GREEN	GREEN	2
592-1313-313F	13" REEL	GREEN	GREEN	2
592-1314-302F	SAMPLE STRIP	GREEN	YELLOW	2
592-1314-313F	13" REEL	GREEN	YELLOW	2
592-1414-302F	SAMPLE STRIP	YELLOW	YELLOW	2
592-1414-313F	13" REEL	YELLOW	YELLOW	2
592-1515-302F	SAMPLE STRIP	ORANGE	ORANGE	2
592-1515-313F	13" REEL	ORANGE	ORANGE	2

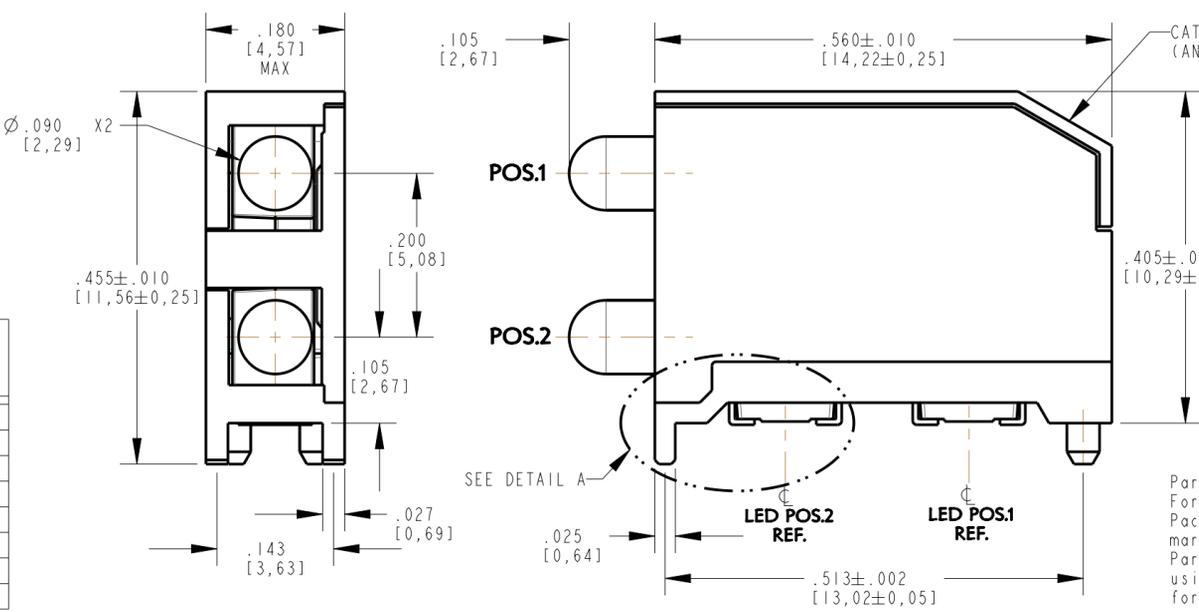


OPERATING CHARACTERISTICS AT 25°C AMBIENT - SINGLE COLOR LEDS

COLOR	#	DESCRIPTION	LUMINOUS INTENSITY (mcd)		DOMINANT WAVELENGTH (nm)			PEAK WAVELENGTH (nm)		FORWARD VOLTAGE (V)		REVERSE CURRENT (µA)
			2mA	10mA	MIN	TYP	MAX	TYP	MAX	TYP	MAX	
RED	10	RED	3.8	9.8	624	630	636	643	1.8	2.2	10 @ Vr=12 V	
GREEN	13	GREEN	3.2	10.1	566	570	575	572	1.8	2.2	10 @ Vr=12 V	
YELLOW	14	YELLOW	4.4	11.3	580	587	594	591	1.8	2.2	10 @ Vr=12 V	
ORANGE	15	ORANGE	5.6	14.0	600	606	609	610	1.8	2.2	10 @ Vr=12 V	

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT - SINGLE COLOR LEDS

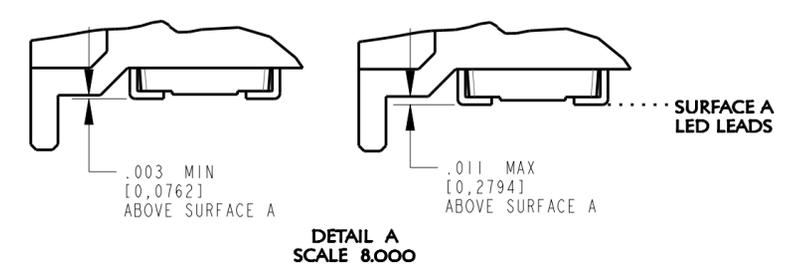
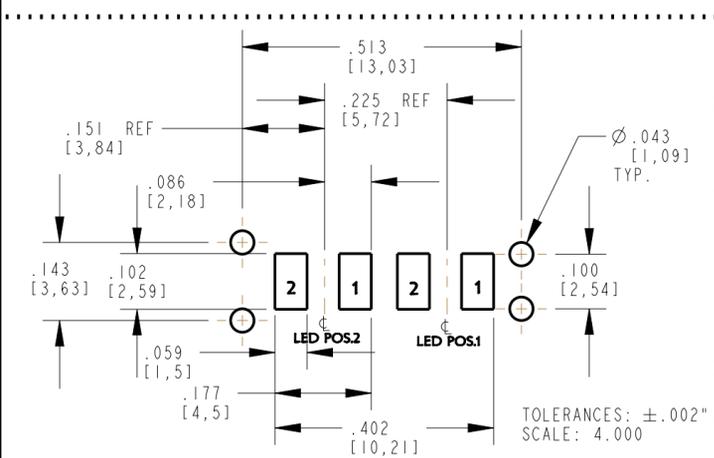
	COLOR				UNITS
	RED	GREEN	YELLOW	ORANGE	
POWER DISSIPATION	50	40	50	50	mW
PEAK FORWARD CURRENT (1/200 DUTY CYCLE, 10µs PULSE WIDTH)	100				mA
CONTINUOUS FORWARD CURRENT	20				mA
LINEAR DERATING AT MAX CURRENT (20mA)	0 (UNDER 100°C)				mA/°C
REVERSE VOLTAGE	12				V
LEAD REFLOW SOLDERING TEMPERATURE (FOR 5 SEC.)	260 (ALSO SEE GRAPH)				°C
OPERATING TEMPERATURE	-40 TO +100				°C
STORAGE TEMPERATURE	-40 TO +100				°C



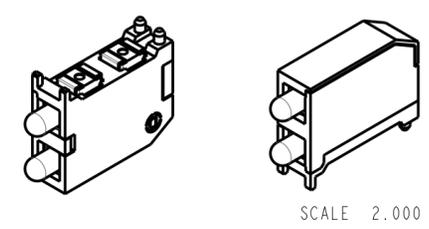
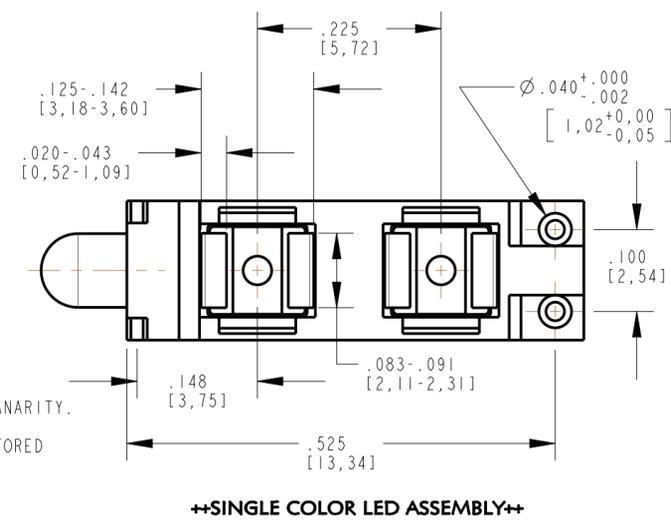
RoHS COMPLIANT 592-XXXX-3XXF

Part Numbers with the "F" suffix ending are RoHS Compliant. For example: 592-1010-302F

Packaging is marked with "RoHS Compliant" label or equivalent markings. These parts can be used with RoHS reflow profile. 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:
- DIALIGHT PART NUMBERS: 592-XXXX-3XXF.
 - ...-302F SUFFIX MEANS PARTS ARE SUPPLIED ON A 10 PCS. SAMPLE STRIP
 ...-313F SUFFIX MEANS PARTS ARE SUPPLIED ON A 13 INCH REEL, 300 pcs/REEL
 - FRONT AND REAR TERMINALS (OF EACH LED) OF THE ASSEMBLY TO BE WITHIN .005" COPLANARITY.
 - STORAGE CONDITIONS FOR TAPED PRODUCT: RE-TAPING MAY BE NECESSARY FOR PRODUCT STORED MORE THAN TWELVE MONTHS.
 - PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
 - MOISTURE SENSITIVITY LEVEL LABEL WILL BE PLACED ON BAG. CHECK CHART FOR PROPER LEVEL.
 - THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



LED COLOR	PIN 1	PIN 2
SINGLE COLOR	CATHODE	ANODE

RECOMMENDED PAD LAYOUT - SINGLE COLOR

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: 2.000	DRAWING NUMBER C-17954	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE BI-LEVEL PRISM RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.01	Dialight	
DECIMALS (.XXX): ±.005	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
DECIMALS (.XXXX): ±.0005	FINISH:	
ANGLES: ±1°	FSCM 83330	
	SHEET 1 OF 1 FAMILY TABLE:	