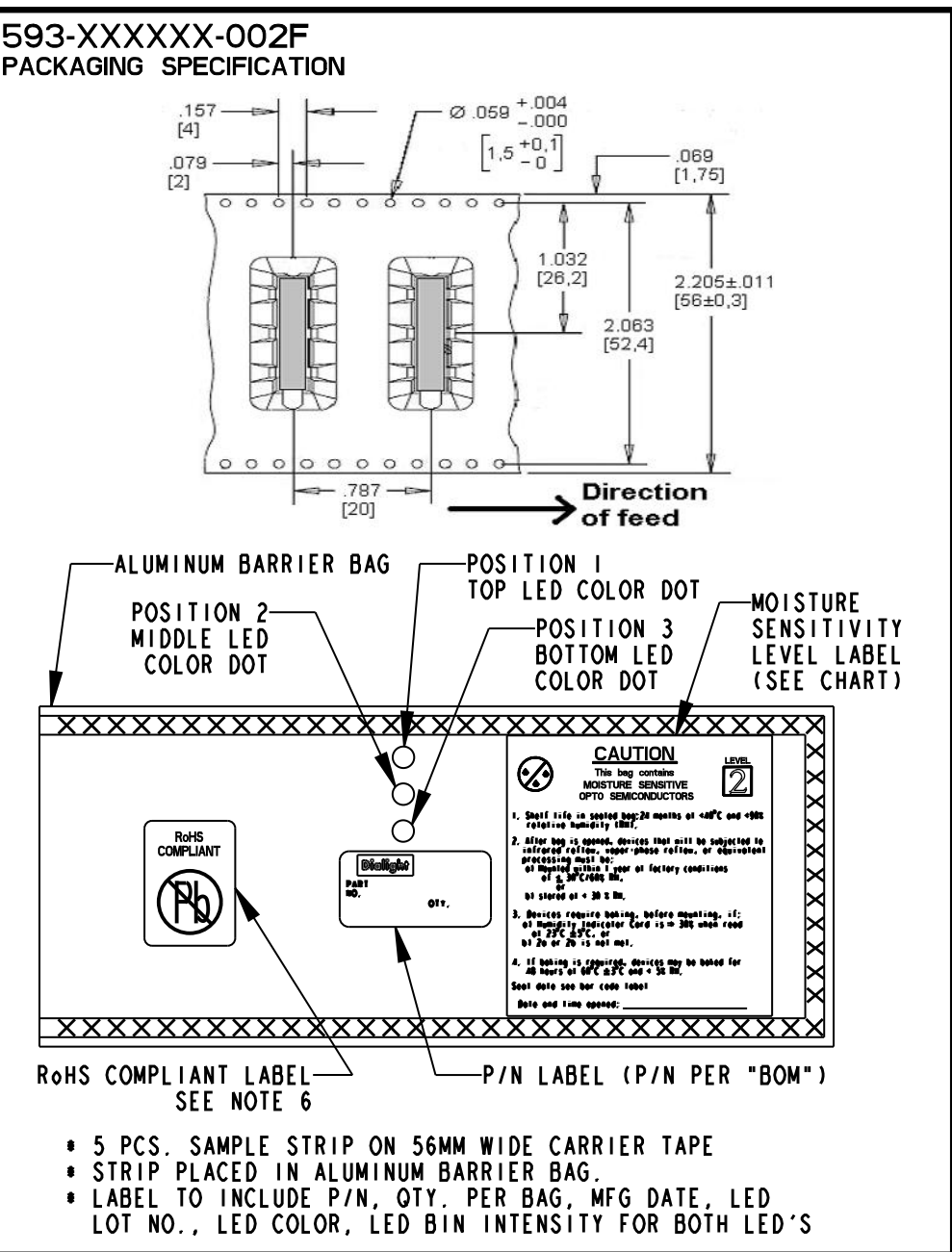
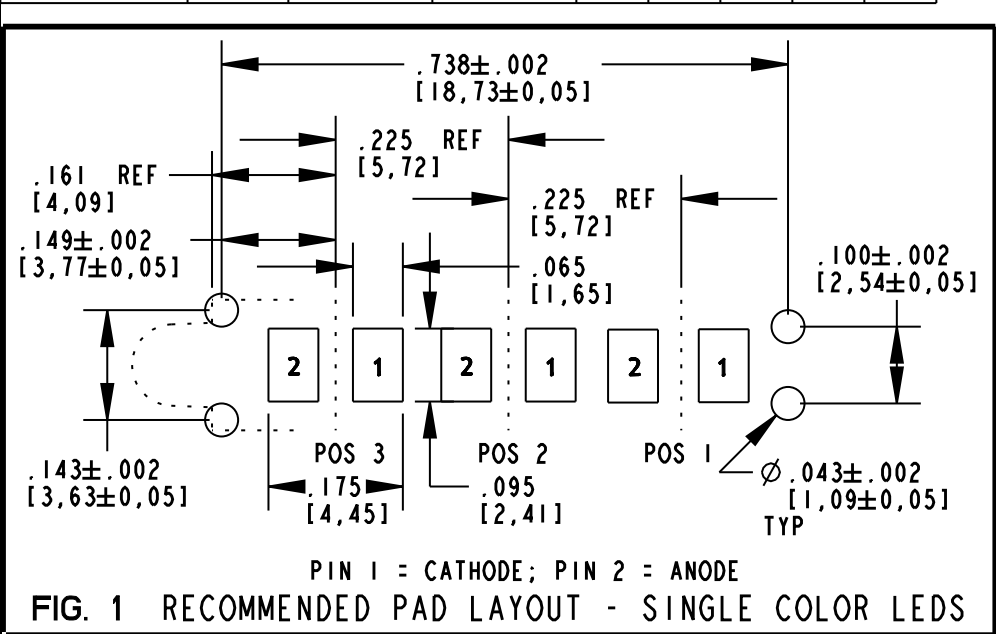
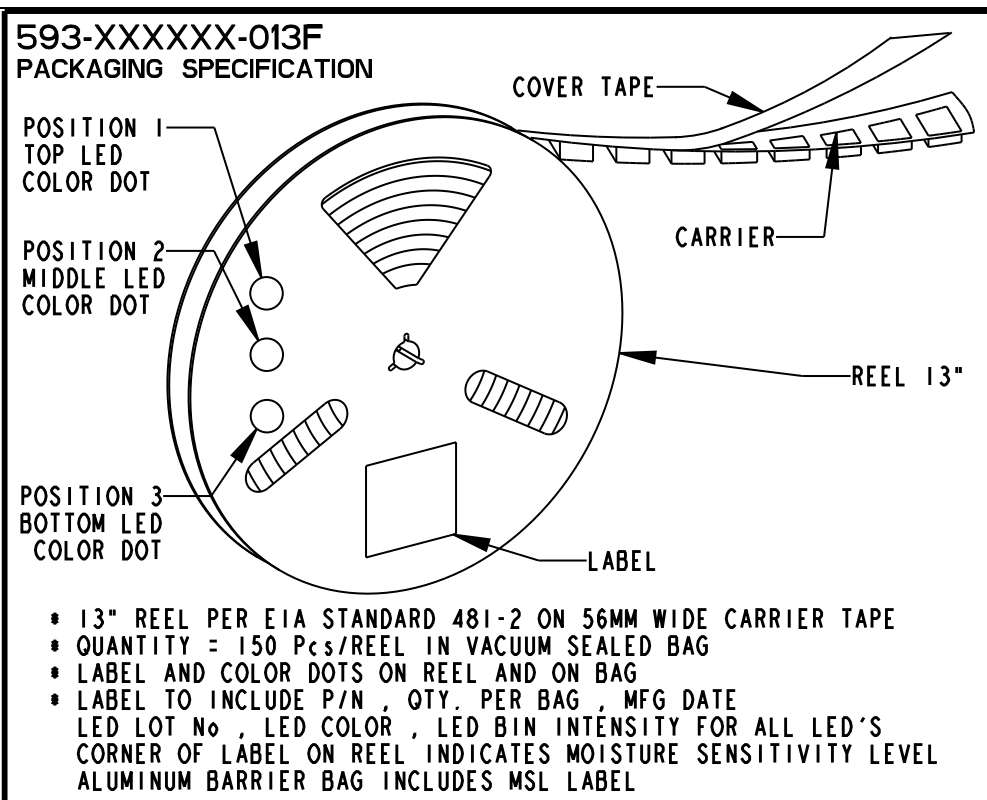
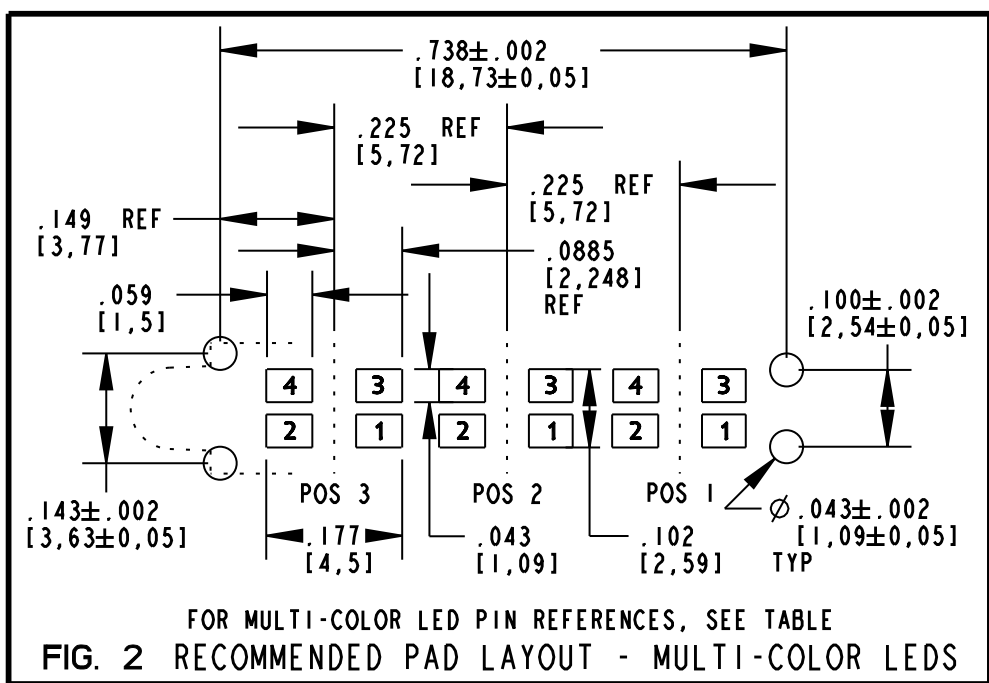


PART NUMBER	POSITION 1	POSITION 2	POSITION 3	MSL	PAD LAYOUT REFERENCE
593-202020-002F	RED	RED	RED	2	FIG. 1
593-202020-013F					
593-202024-002F					
593-202024-013F	RED	RED	YELLOW	2	FIG. 1
593-202324-002F					
593-202324-013F					
593-203120-002F	RED	YELLOW/ GREEN	RED	2	FIG. 1 & FIG. 2
593-203120-013F					
593-212121-002F					
593-212121-013F	AlGaAs RED	AlGaAs RED	AlGaAs RED	2	FIG. 1
593-212130-002F					
593-212130-013F					
593-222221-002F	HI. INT. GREEN	HI. INT. GREEN	AlGaAs RED	2	FIG. 1
593-222221-013F					
593-222222-002F					
593-222222-013F	HI. INT. GREEN	HI. INT. GREEN	HI. INT. GREEN	2	FIG. 1
593-232323-002F					
593-232323-013F					
593-232424-002F	GREEN	YELLOW	YELLOW	2	FIG. 1
593-232424-013F					
593-232627-002F					
593-232627-013F	GREEN	BLUE	AlInGaP YELLOW	2	FIG. 1
593-242320-002F					
593-242320-013F					
593-242424-002F	YELLOW	YELLOW	YELLOW	2	FIG. 1
593-242424-013F					
593-262626-002F					
593-262626-013F	BLUE	BLUE	BLUE	2	FIG. 1
593-272129-002F					
593-272129-013F					
593-272727-002F	AlInGaP YELLOW	AlInGaP YELLOW	AlInGaP YELLOW	2	FIG. 1
593-272727-013F					
593-282828-002F					
593-282828-013F	WHITE	WHITE	WHITE	2	FIG. 1
593-292929-002F					
593-292929-013F					
593-303030-002F	SUPER-RED/ GREEN	SUPER-RED/ GREEN	SUPER-RED/ GREEN	2	FIG. 2
593-303030-013F					
593-313131-002F					
593-313131-013F	YELLOW/ GREEN	YELLOW/ GREEN	YELLOW/ GREEN	2	FIG. 2
593-323232-002F					
593-323232-013F					
593-353535-002F	BLUE/ GREEN/ RED	BLUE/ GREEN/ RED	BLUE/ GREEN/ RED	2a	FIG. 2
593-353535-013F					

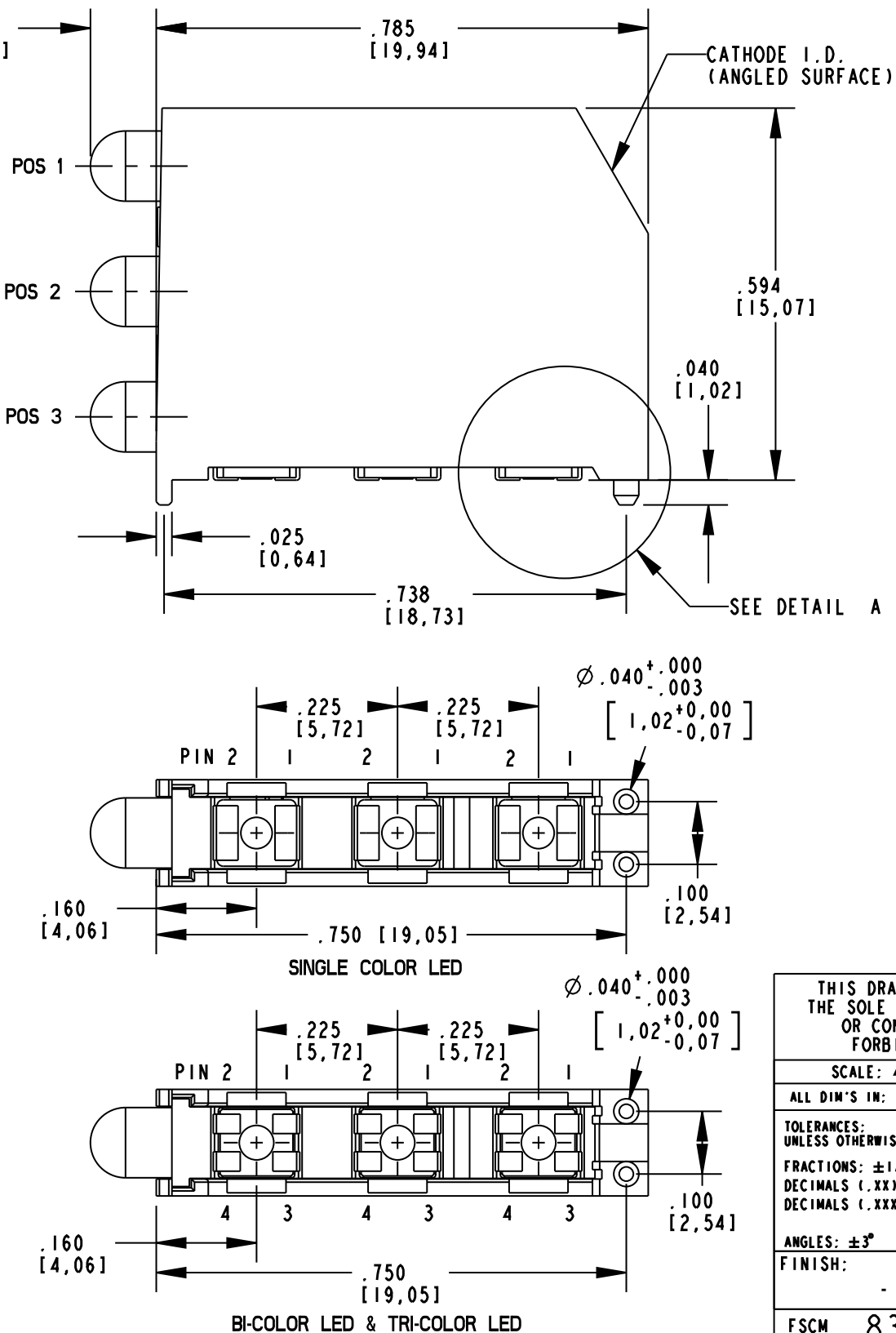
OPERATING CHARACTERISTICS AT 25°C AMBIENT							
COLOR	LUMINOUS INTENSITY @If=20mA		FORWARD VOLTAGE (V)		DOMINANT WAVELENGTH (nm)		
	TYP	TEST COND	TYP	MAX	MIN	TYP	MAX
RED	6 mcd	If = 10mA	2.0	2.5	622	628	634
AlGaAs RED	29 mcd	If = 10mA	1.75	2.5	—	645	—
HI. INT. GREEN	16 mcd	If = 10mA	2.0	2.5	564	570	576
GREEN	11 mcd	If = 10mA	2.0	2.5	564	570	576
YELLOW	11 mcd	If = 10mA	2.0	2.5	580	587	595
BLUE	7 mcd	If = 10mA	3.5	4.2	462	465	468
AlInGaP YELLOW	80 mcd	If = 10mA	2.0	2.4	580	587	595
WHITE	85 mcd	If = 10mA	3.1	3.7	—	X .33 Y .33	—
InGaN GREEN	150 mcd	If = 20mA	3.4	4.05	515	525	535
RED/GREEN BI-COLOR	RED	If = 10mA	2.0	2.5	622	628	634
	GREEN	If = 10mA	2.0	2.5	564	570	576
YELLOW/GREEN BI-COLOR	YELLOW	If = 10mA	2.0	2.5	584	590	596
	GREEN	If = 10mA	2.0	2.5	564	570	576
RED/YELLOW BI-COLOR	RED	If = 20mA	2.0	2.3	627	633	639
	YELLOW	If = 20mA	2.0	2.4	580	587	595
RED/GRN/BLUE TRI-COLOR	RED	If = 20mA	1.9	2.4	—	626	—
	GREEN	If = 20mA	3.4	4.05	515	525	535
	BLUE	If = 20mA	3.4	4.05	460	470	480



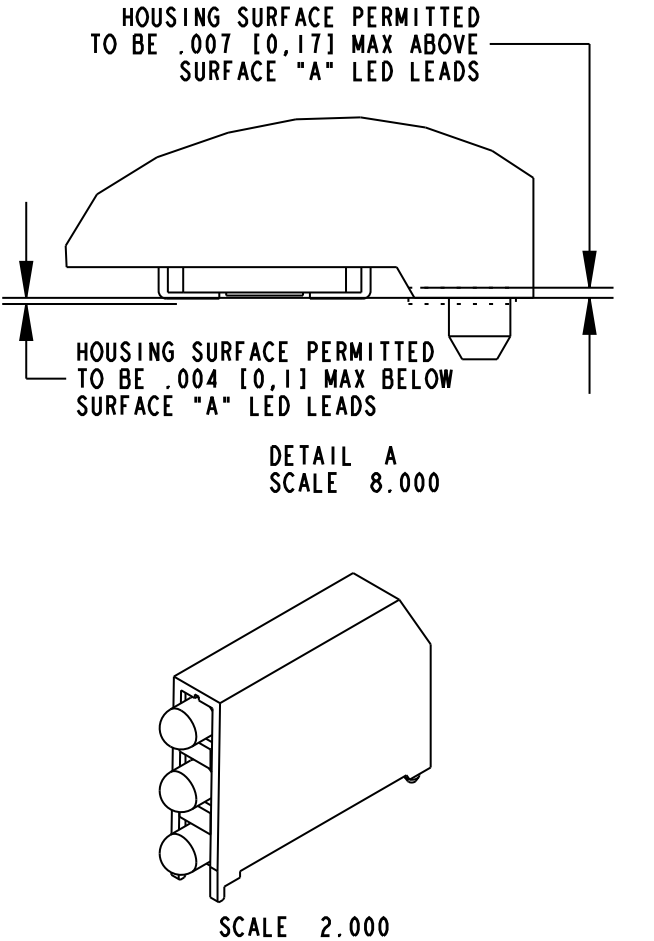
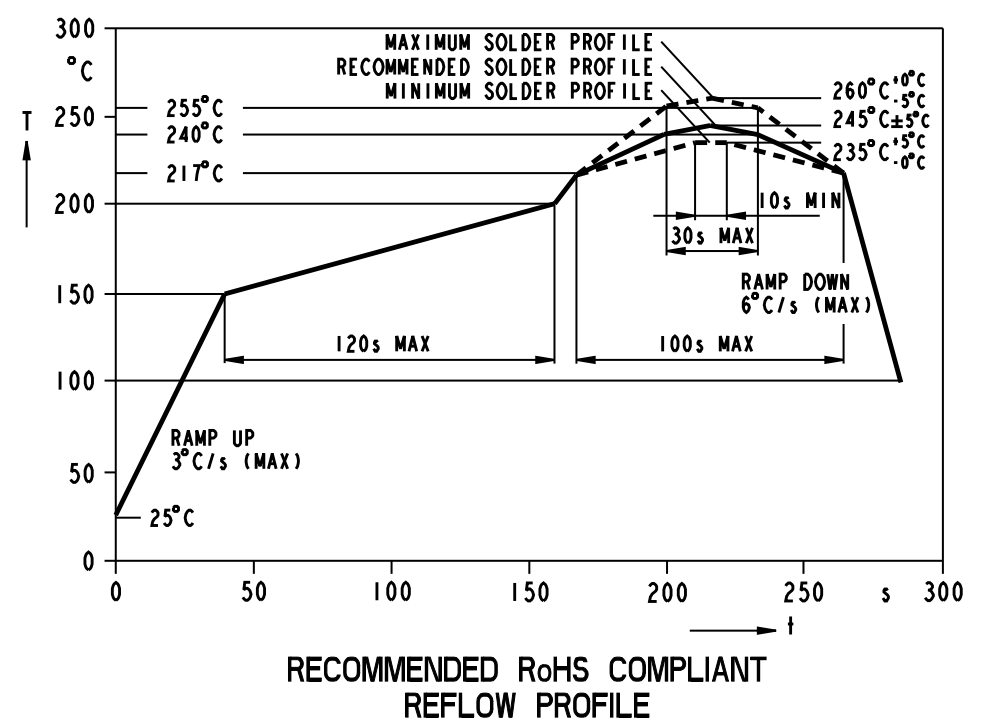
- NOTES:
- PRODUCT P/N'S WITH "F" SUFFIX ENDING ARE RoHS COMPLIANT. LED LEADS ARE PLATED TIN (Sn) WITH NICKEL (Ni) UNDERPLATE ON COPPER (Cu) LEADS.
 - STORAGE OF TAPED PARTS SHALL NOT EXCEED TWELVE (12) MONTHS AFTER WHICH RE-PACKAGING IS REQUIRED.
 - FRONT AND REAR TERMINALS (OF EACH LED) OF THE ASSEMBLY TO BE WITHIN .005 COPLANARITY.
 - A MOISTURE SENSITIVITY LEVEL LABEL PLACED ON BAG. CHECK CHART FOR PROPER LEVEL.
 - *** CAUTION ***
FOR PRODUCTS THAT ARE ESD SENSITIVE, OBSERVE PRECAUTIONS IN HANDLING ELECTROSTATIC SENSITIVE DEVICES. FOR EYE SAFETY DO NOT STARE DIRECTLY INTO THE LIGHT BEAM OF THESE LED DEVICES AT CLOSE RANGE.
 - THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE (RoHS COMPLIANT).
 - DIALIGHT PART NUMBERS: 593-XXXXXX-002F (STRIP)
593-XXXXXX-013F (REEL)



MULTI-COLOR LED PIN REFERENCES				
LED COLOR	PIN 1	PIN 2	PIN 3	PIN 4
R/Y BI-COLOR	RED CATHODE	RED ANODE	YELLOW ANODE	YELLOW CATHODE
Y/G BI-COLOR	YELLOW CATHODE	YELLOW ANODE	GREEN ANODE	GREEN CATHODE
R/G BI-COLOR	RED CATHODE	RED ANODE	GREEN ANODE	GREEN CATHODE
R/G/B TRI-COLOR	RED CATHODE	COMMON ANODE	GREEN CATHODE	BLUE CATHODE



REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	OO	N.O.	MS	3-28-07
B	—	ADDED P/N'S 593-222221-002F, -013F, 593-272129-002F, -013F, 593-292929-002F, -013F, ADDED INTENSITY SPECS, ADDED PIN REFERENCES.	KLJ	N.O.	MES	3-24-08
C	—	ADDED P/N'S 593-242320-002F, -013F; AND 593-232424-002F, -013F; MSL FOR 593-292929-002F & 593-353535-002F WAS "2"; UPDATED SPECS; CHANGED NOTE 7.	KLJ	N.O.	MES	1-15-09
D	—	ADDED P/N'S 593-202324-002F, -013F.	KLJ	N.O.	MES	1-26-09
E	—	ADDED P/N'S 593-203120-002F, -013F.	KLJ	NO	MES	2-19-09
F	—	ADDED P/N'S 593-232627-002F, -013F.	AJF	KLJ	NO	7-1-09



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: 4.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17270	F
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE	
FRACTIONS: ±1/64	TRI-LEVEL PRISM	
DECIMALS (.XX): ±.02	MATERIAL	
DECIMALS (.XXX): ±.015	RoHS COMPLIANT	
ANGLES: ±3°		
FINISH:		
FSCM 83330	Dialight	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
	SHEET 1 OF 1	FAMILY TABLE: