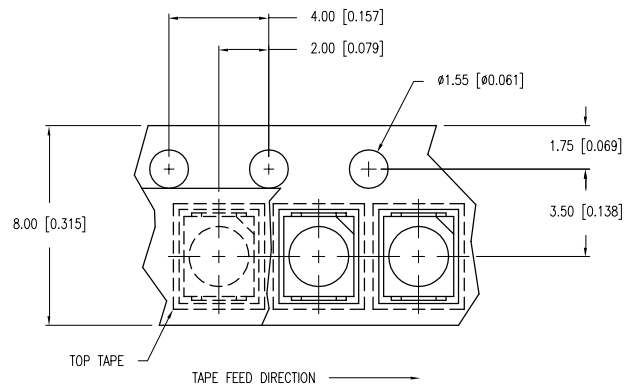
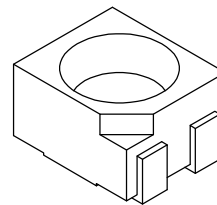
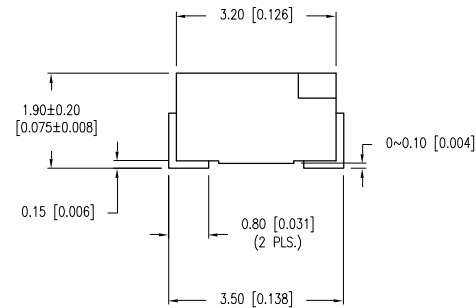
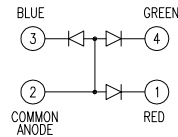
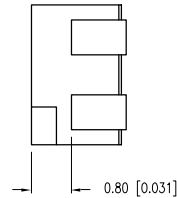
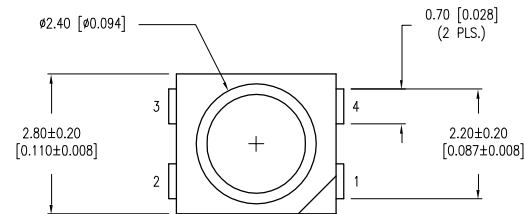
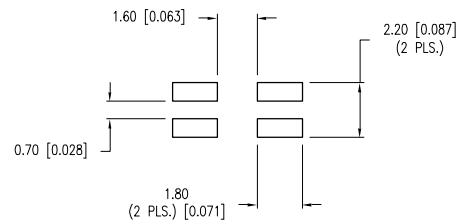


PART NUMBER	SML-LX2832IGUSBCTR	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10-17.07	E.C.N. #11450.		A
05.04.10	E.C.N. #11627		B



[A] RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	635	565	470	nm	
FORWARD VOLTAGE TYP	2.0	2.2	3.5	V_f	
FORWARD VOLTAGE MAX	2.4	2.6	4.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	25	25	60	mcd	$I_f = 20\text{mA}$
VIEWING ANGLE	120	120	120	2θ	
LED POSITION:	1	2	3		
FACE COLOR:	GRAY				
EPOXY LENS FINISH:	WATER CLEAR				

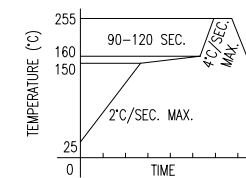
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER		MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	160/160/100	mA
STEADY CURRENT	(R/G/B)	25/25/30	mA
LED JUNCTION TEMPERATURE	(R/G/B)	120	$^\circ\text{C}$
POWER DISSIPATION		-1.2	W
OPERATING TEMP.		-40 TO $+85$	$^\circ\text{C}$
STORAGE TEMP.		-40 TO $+85$	$^\circ\text{C}$
SOLDERING TEMP.		$+260$	$^\circ\text{C}$
2.0mm FROM BODY		3	SEC. MAX

* $t < 10\mu\text{s}$

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

[B] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $x = \pm 1$ (± 0.039), $x.x = \pm 0.5$ (± 0.020), $x.xx = \pm 0.25$ (± 0.010), $x.xxx = \pm 0.127$ (± 0.005). LEAD SIZE = ± 0.05 (± 0.002), LEAD LENGTH = ± 0.75 (± 0.030). MIN = $\frac{+DECIMAL PRECISION}{-0.00}$ MAX = $\frac{+0.00}{-DECIMAL PRECISION}$



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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 635nm/565nm/470nm BLUE LED, WATER CLEAR LENS

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 07.20.06	DRAWN BY: JD
PAGE: 1 OF 1	CHKD BY: SS
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	(R)