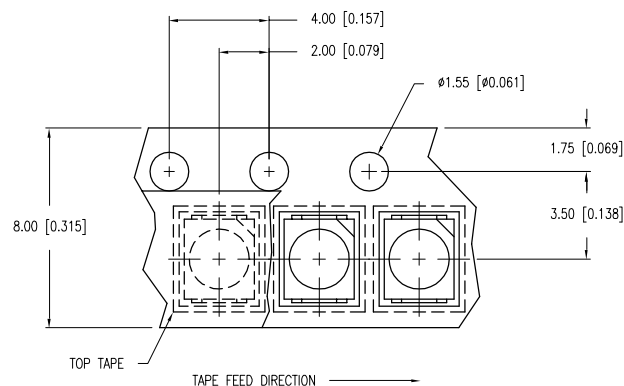
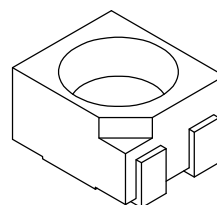
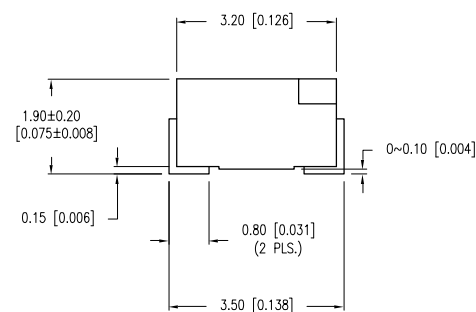
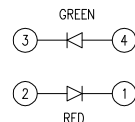
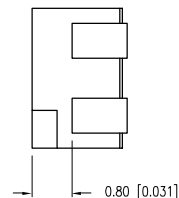
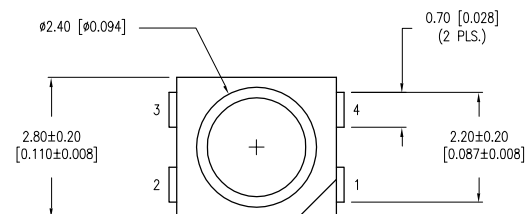
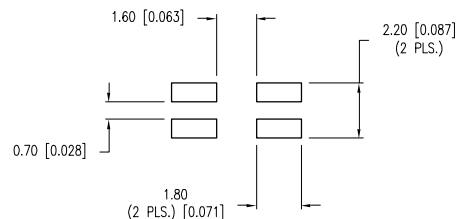


PART NUMBER	SML-LX2832SIUPGCTR	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.17.07	E.C.N. #10BRDR. & REDRAWN.		A
05.05.10	E.C.N. #11627.		B



[A] RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			636		nm	
			525		nm	
FORWARD VOLTAGE	(R/G)		2.0/4.2	2.6/4.8	V_f	
REVERSE VOLTAGE		5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	(R/G)		200/150		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE			120		2θ	
EMITTED COLOR:	RED/GREEN					
EPOXY LENS FINISH:	WATER CLEAR					

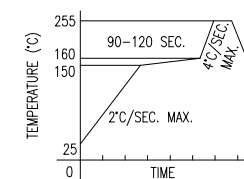
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	185/130	mA
STEADY CURRENT	30/25	mA
POWER DISSIPATION	170/105	mW
DERATE FROM 25°C	- 1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC. MAX

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

[A] LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTES:

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

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

*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, MAX = $\frac{+}{-}$ DECIMAL PRECISION



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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 636nm/525nm LED, WATER CLEAR LENS, 2k PER REEL.

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

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DATE:	04.22.03	DRAWN BY:	CT
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		(P)