

UNCONTROLLED DOCUMENT

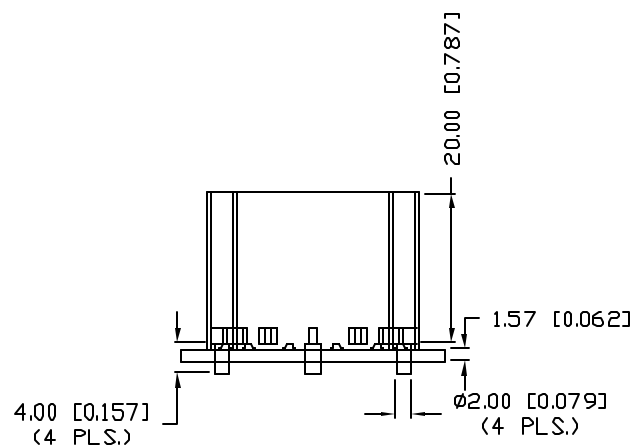
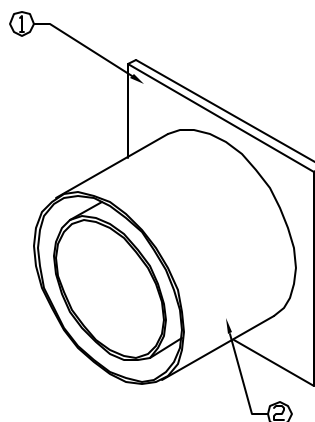
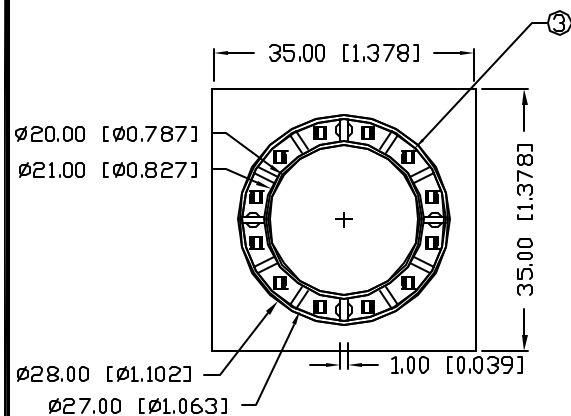
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PART NUMBER

REV.

SSB-LX2520SIUPGUSB

PRELIMINARY IN P/N DIR



NOTES:

1. PCB BOARD
2. CUSTOM RING
3. 12 PCS. LED SML-LX0606SIUPGUSB

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636 (RED)		nm	
		525 (GREEN)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE (R)		2.4	2.6	V _f	
	(G)	3.5	4.0	V _f	
	(B)	3.5	4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G/B)		60/135/45		med	$I_f=20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:		RED/GREEN/BLUE			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	150/100/100	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/G/B)	50/105/90	mW
DERATE FROM 25°C		-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 02.12.08

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SCALE: N/A



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