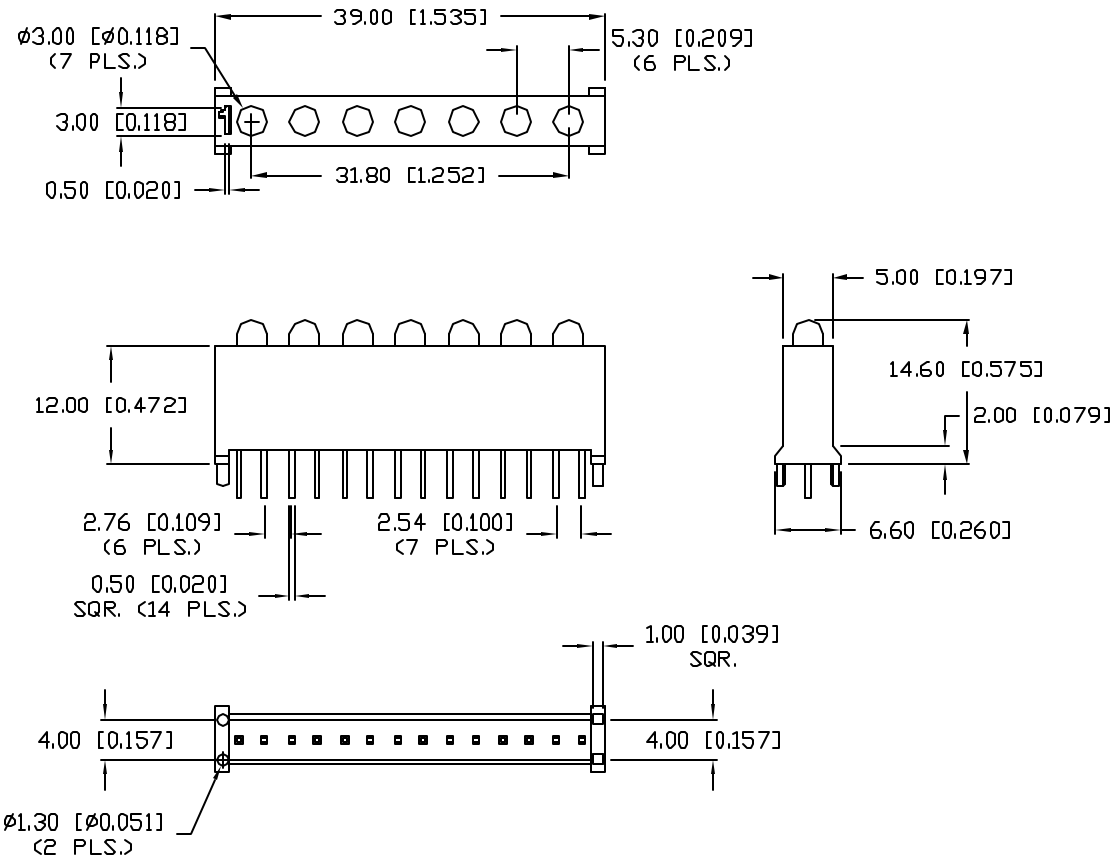
UNCONTROLLED DOCUMENT

SC:0.75	PART NUMBER	REV.
	SSA-LXH73044-XXX	

PRELIMINARY IN P/N DIR

-XXX	GREEN LED	RED LED
001	#1, 2, 3, 4, 5, 6	#7
002	#1, 2, 3, 4, 5	#6, 7



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

PARAMETER	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	635	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	I_r=100µA
AXIAL INTENSITY	40	30	mcd	I_f=20mA
VIEWING ANGLE	60	60	2x theta	
LED POSITION:	SEE CHART ABOVE			
EPOXY LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* t<10µS

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

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
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39mm x 6.6mm 7 - 3mm LED ARRAY,
565nm GREEN, 635nm RED LEDS, COLOR DIFFUSED LENS.

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 9.24.03 PAGE: 1 OF 1 SCALE: N/A
CT			