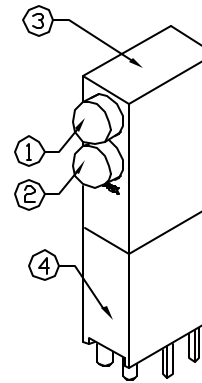
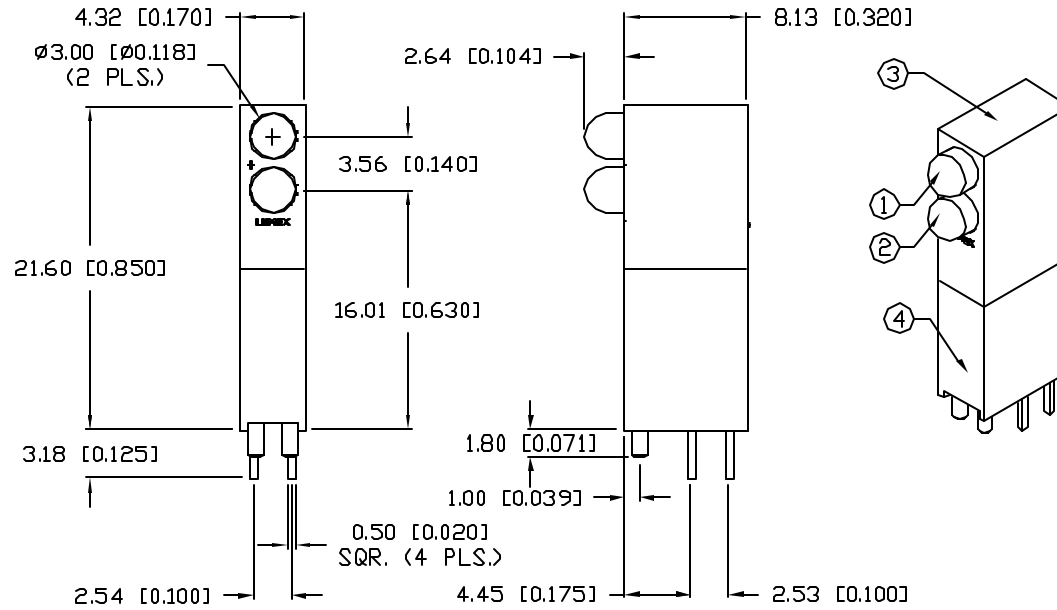
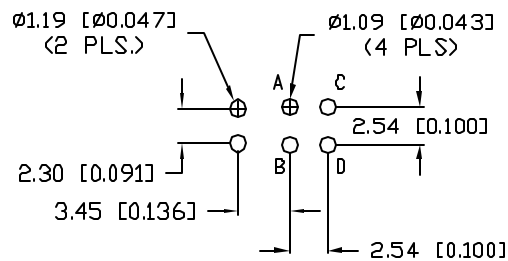


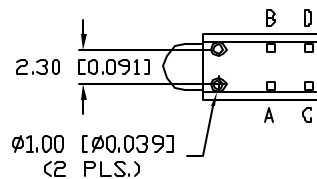
UNCONTROLLED DOCUMENT



RECOMMENDED PCB LAYOUT



BOTTOM VIEW



PIN OUT:

- A. GREEN ANODE.
B. GREEN CATHODE.
C. GREEN ANODE.
D. YELLOW ANODE.

PART NUMBER
SSF-LXH23161GYCGCREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11055.	11.13.03

PATENT PENDING

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

PARAMETER	GREEN	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	565	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	60	60	60	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	30	30	30	2θ	θ_{theta}
LED POSITION:	1	1	2		
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/Y)	25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

- SSL-LX305F4GYC, GREEN/YELLOW LED.
- SSL-LX305F4GC, GREEN LED.
- SSH-LXH23161, HOLDER.
- SSS-LXH23161, SPACER.

UNCONTROLLED DOCUMENT

*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.=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

A

PART NUMBER

SSF-LXH23161GYCGC

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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

T-3mm RIGHT ANGLE FAULT INDICATOR LED,
565nm GREEN/585nm YELLOW LEDS, WATER CLEAR LENS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 8.18.03

PAGE: 1 OF 1

SCALE: N/A