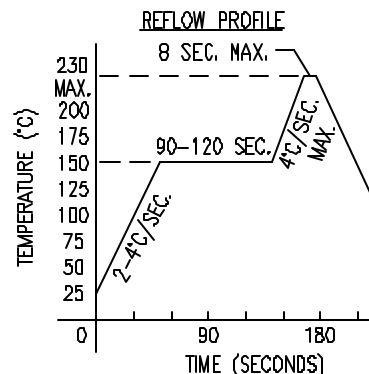
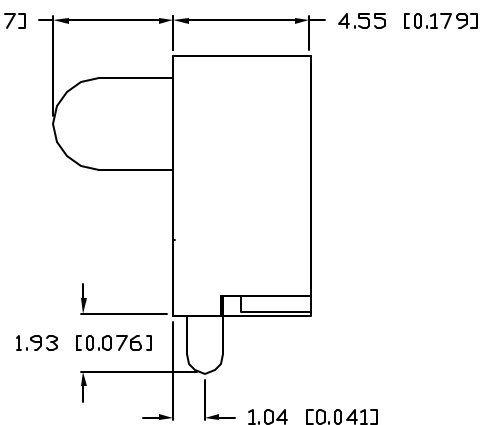
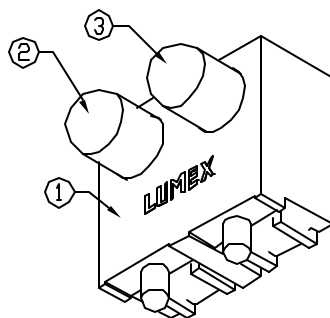
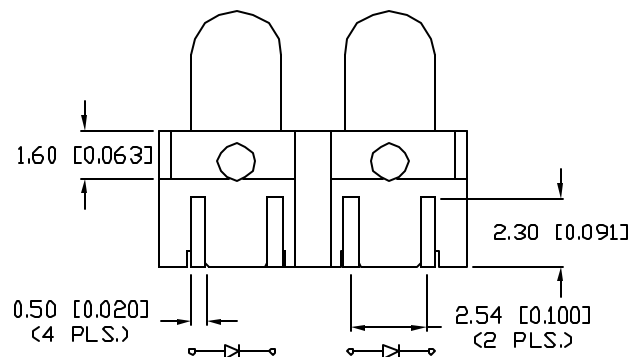
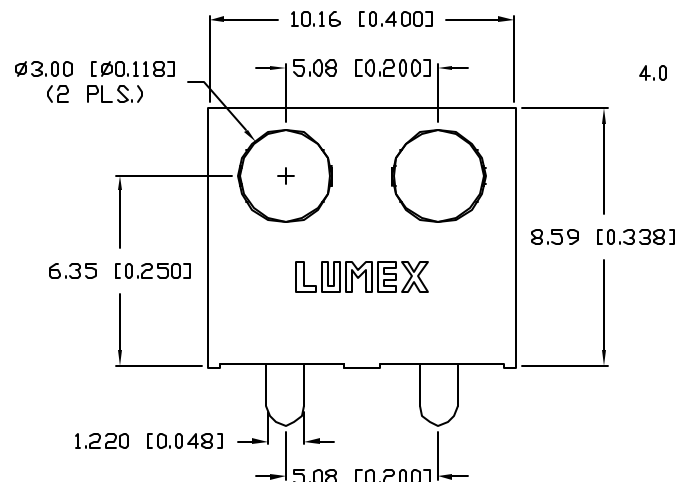
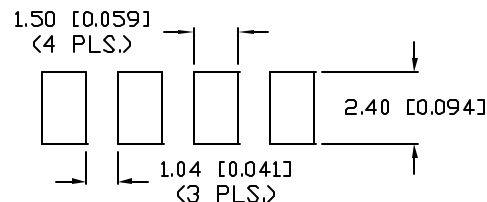




RECOMMENDED SOLDER PAD LAYOUT



PATENT PENDING

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

PARAMETER	AMBER	RED	UNITS	TEST COND
PEAK WAVELENGTH	610	635	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.0	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	V _f	
REVERSE VOLTAGE	5.0	5.0	V _r	I _r =100μA
AXIAL INTENSITY	30	30	mcd	I _f =20mA
VIEWING ANGLE	60	60	2x theta	
LED POSITION:	1	2		

EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

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

NOTES:

- SSH-LXH3250, BLACK HOLDER
- SSL-LX305F4AD, AMBER LED.
- SSL-LX305F4ID, RED LED.

*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

REV.

PART NUMBER

SSF-LXH3250AID

DUAL T-3mm (T-1) SMT LED HOLDER WITH LOCATOR TAB,
POS.1: 610nm AMBER LED, AMBER DIFFUSED LENS,
POS.2: 635nm RED LED, RED DIFFUSED LENS.

CONFIDENTIAL INFORMATION

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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.



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DATE: 4.16.01

PAGE: 1 OF 1

SCALE: N/A

BC