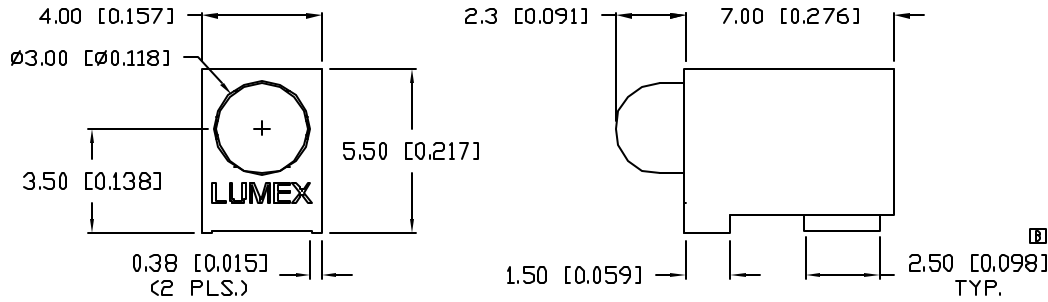
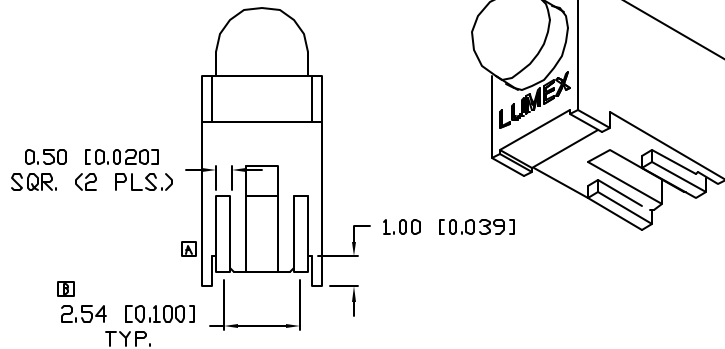


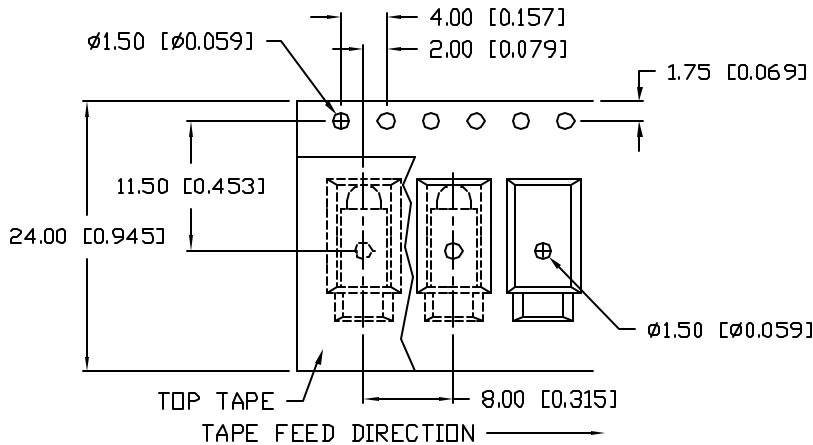
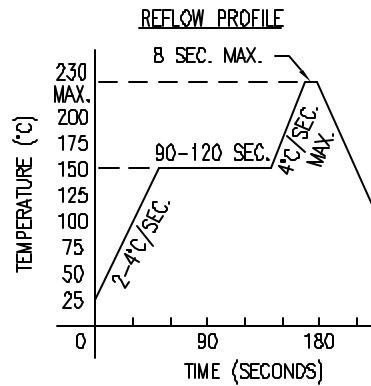
UNCONTROLLED DOCUMENT



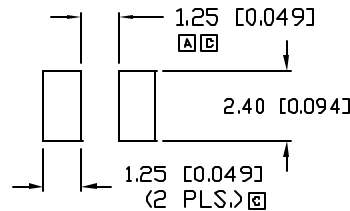
ANODE CATHODE



PATENT PENDING



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SSF-LXH305USBD(-TR)		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10782.	11.6.01
B	E.C.N. #10855	4.22.02
C	E.C.N. #10864.	5.15.02

CAUTION: STATIC SENSITIVE DEVICE
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES
 WHEN WORKING WITH THIS PART.

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =20mA		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			470		nm	
FORWARD VOLTAGE			3.5	4.0	V _f	
REVERSE VOLTAGE	5.0				V _r	I _r =100µA
AXIAL INTENSITY			80		mcd	I _f =20mA
VIEWING ANGLE			60		2x theta	
EMITTED COLOR:	BLUE					
EPOXY LENS FINISH:	BLUE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	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 < 10µS

NOTES:

1. SSL-LX305F4USBD, BLUE LED.
2. SSH-LXH305, BLACK HOLDER.
3. -TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.
4. CARRIER TAPE #LXP-CARRIER24-56.

UNCONTROLLED DOCUMENT

*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
C	SSF-LXH305USBD(-TR)
T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED, 470nm ULTRA SUPER BLUE LED, BLUE DIFFUSED LENS, TAPE AND REEL.	

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:	10.1.01	PAGE:
SCALE:	N/A	1 OF 1