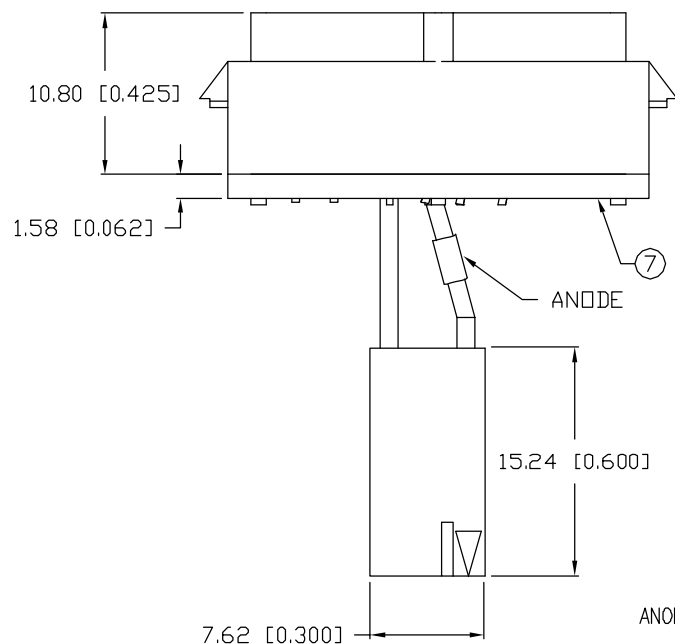
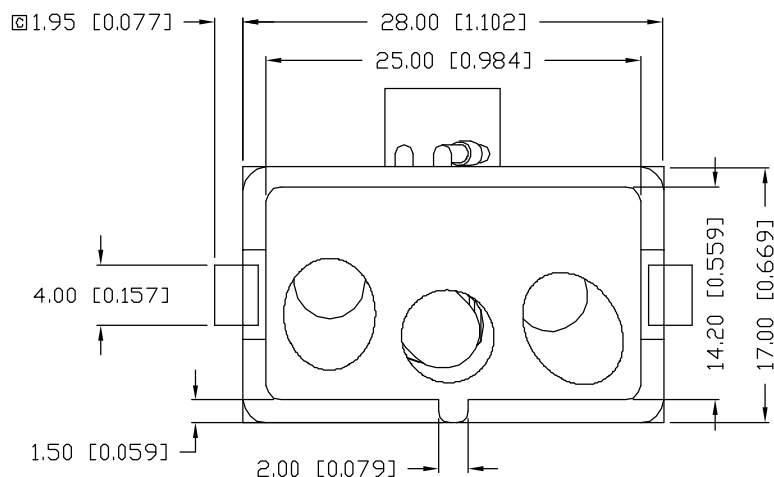
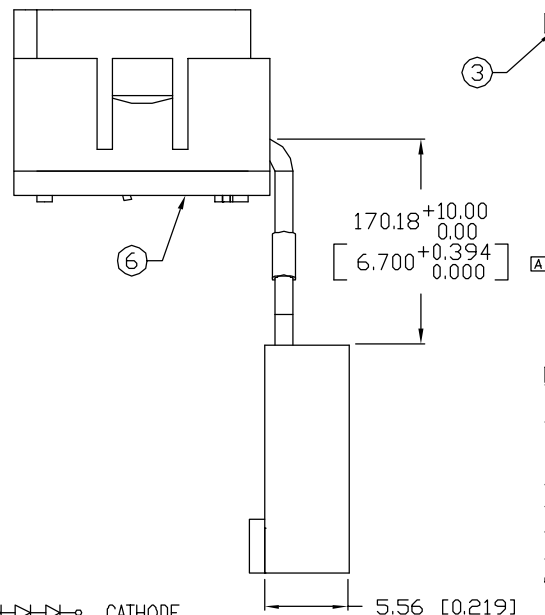


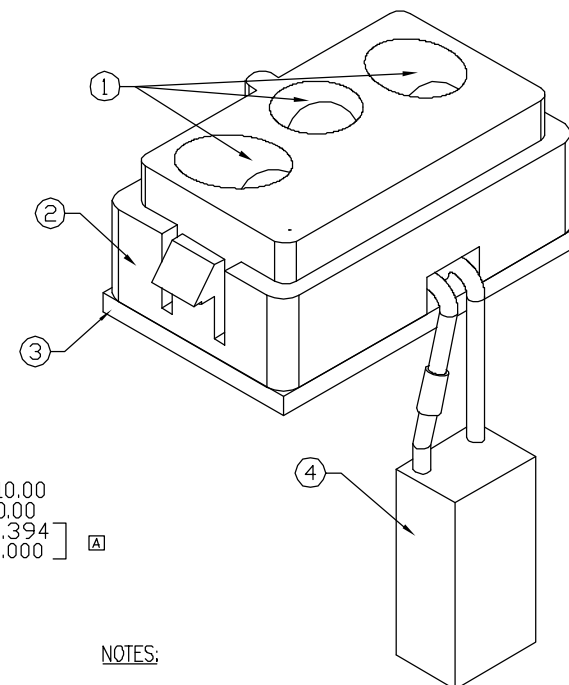
UNCONTROLLED DOCUMENT



ANODE  CATHODE



PART NUMBER		REV.
SSA-LXH509UWC-125		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11179.	10.21.04
B	E.C.N. #11194.	12.08.04
C	E.C.N. #11222.	3.4.05
D	E.C.N. #11552.	12.18.08



NOTES:

1. SSL-LX5093UWC/G, 3 PCS. LEDS SHOULD NOT PROTRUDE PAST THE TOP OF THE HOLDER.
2. SSH-LXH509, CLEAR PC HOLDER.
3. LXP-PCB509, FR4 PCB.
4. LXP-LX509-ASSY, MOLEX CONNECTOR/WIRE ASSEMBLY.
5. LEDS TO BE FROM SAME BRIGHTNESS AND COLOR BINS.
6. LABEL ON BACKSIDE OF PCB WITH DATE CODE : LOT NUMBER AND CUSTOMER PART# 2303841 AND REV LEVEL.
7. CONFORMAL COAT BACKSIDE OF PCB.

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.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
D	SSA-LXH509UWC-125

CUSTOM LED ASSEMBLY.

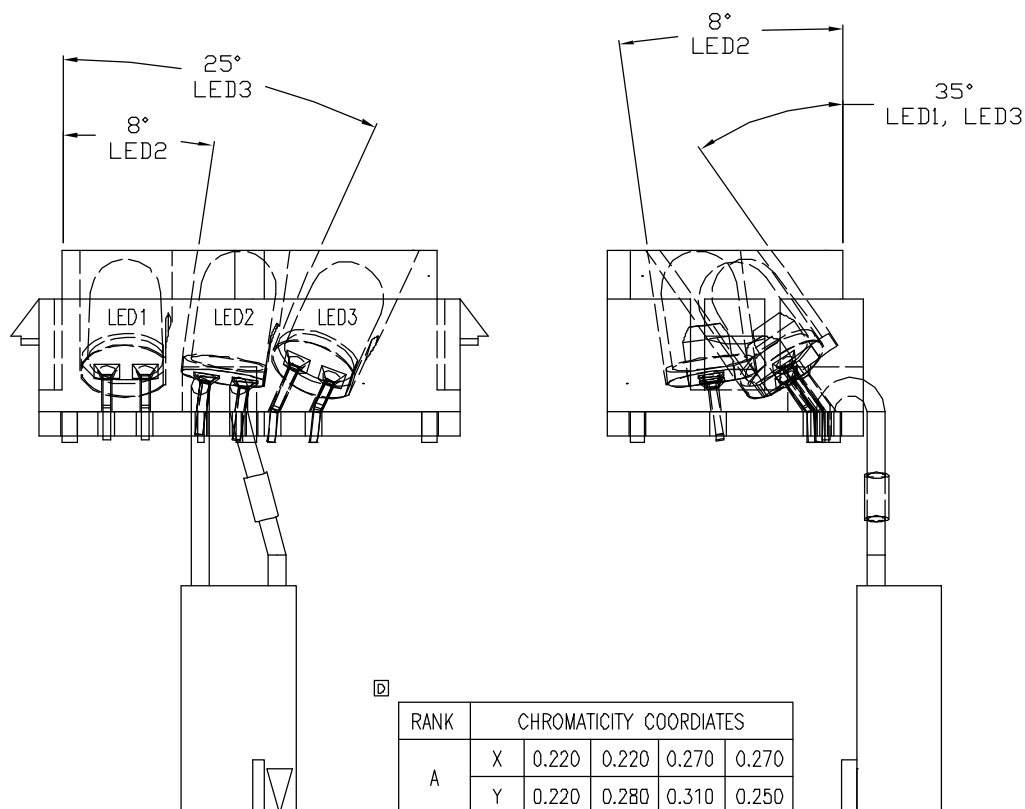
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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

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D

RANK	CHROMATICITY COORDINATES				
A	X	0.220	0.220	0.270	0.270
	Y	0.220	0.280	0.310	0.250
B	X	0.250	0.250	0.300	0.300
	Y	0.250	0.310	0.330	0.270
C	X	0.280	0.280	0.330	0.330
	Y	0.270	0.330	0.350	0.290
D	X	0.310	0.310	0.370	0.370
	Y	0.290	0.350	0.380	0.320

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	V_f		12.0	14.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v	9000	11000		mcd	$I_f=20\text{mA}$
CHROMATICITY	X		0.29			$I_f=20\text{mA}$
COORDINATES(*2)	Y		0.30			
VIEWING ANGLE			20		2x theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	100*	mA
STEADY CURRENT	I_F	25	mA
POWER DISSIPATION	P_D	100	mW
OPERATING TEMP.	T_{OPR}	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +100	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.0mm FROM BODY			3 SEC. MAX

*DUTY 1/10 PULSE WIDTH 10ms

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

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REV.

D

PART NUMBER

SSA-LXH509UWC-125

CUSTOM LED ASSEMBLY.

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