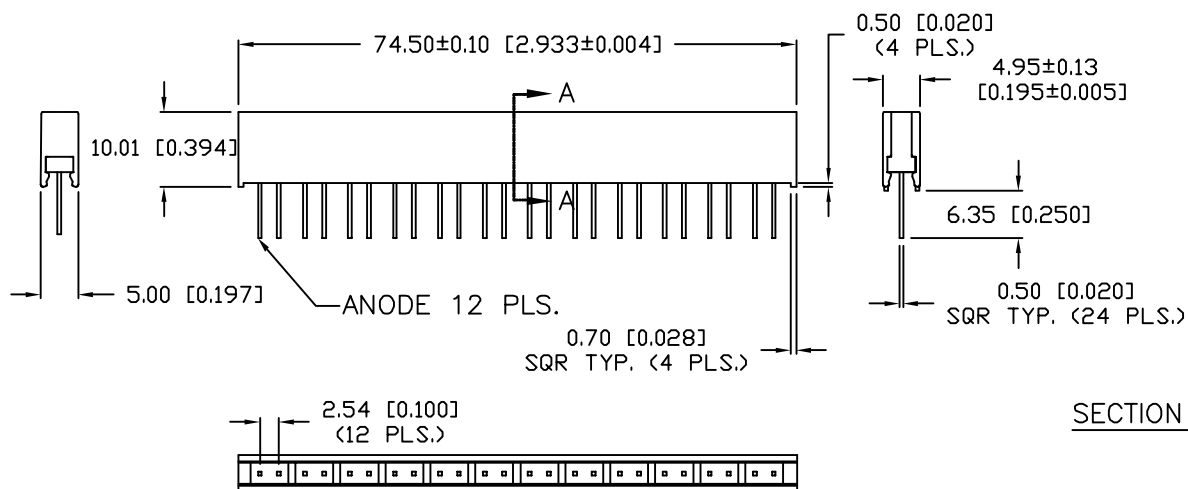
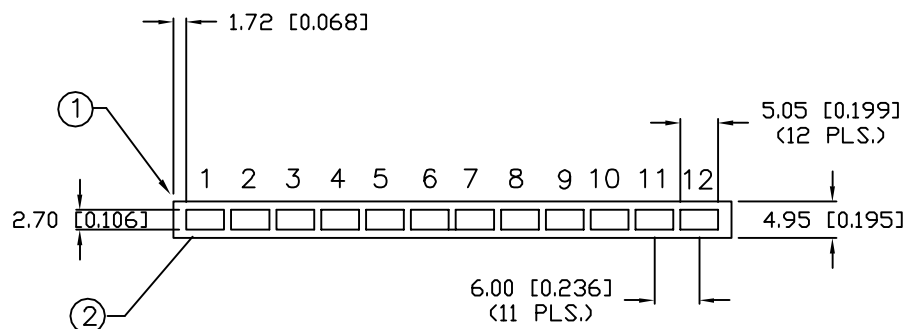


UNCONTROLLED DOCUMENT



SECTION A-A

NOTES:

1. HOLDER COLOR: BLACK
MATERIAL : BLACK ABS
2. SSL-LX25583GD GREEN LED (7 PCS.)
3. SSL-LX25583YD YELLOW LED (1 PCS.)
4. SSL-LX25583ID RED LED (4 PCS.)
5. SORT LEDS FOR MATCHED INTENSITY.

*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 PRECISION MAX.=+0.00 PRECISION
-0.00 -0.00

REV.

B

PART NUMBER

SSA-LXH1225-23707

LED ARRAY 12 UNIT 2.5 X 5 RECT. LEDS

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.

LUMEX
Creating LED and LCD Solutions Together™

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

DRAWN BY:

JN

CHECKED BY:

APPROVED BY:

DATE: 07.24.09

PAGE: 1 OF 1

SCALE: N/A

PART NUMBER

SSA-LXH1225-23707

REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS
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DATE _____

A	REDRAWN, UPDATE ALL SPECS./
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07.11.95

B	E.C.N #11148.
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07.25.09

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

PARAMETER	GREEN	RED	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	565	635	585	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.0	2.1	V _f	
FORWARD VOLTAGE (MAX.)	—	—	—	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	I _r =100μA
AXIAL INTENSITY	30	30	30	mcd	I _f =20mA
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1-7	9-12	8		
EPoxy LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR PER POSITION				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R/Y)	25/30/30	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

* $t < 10 \mu S$