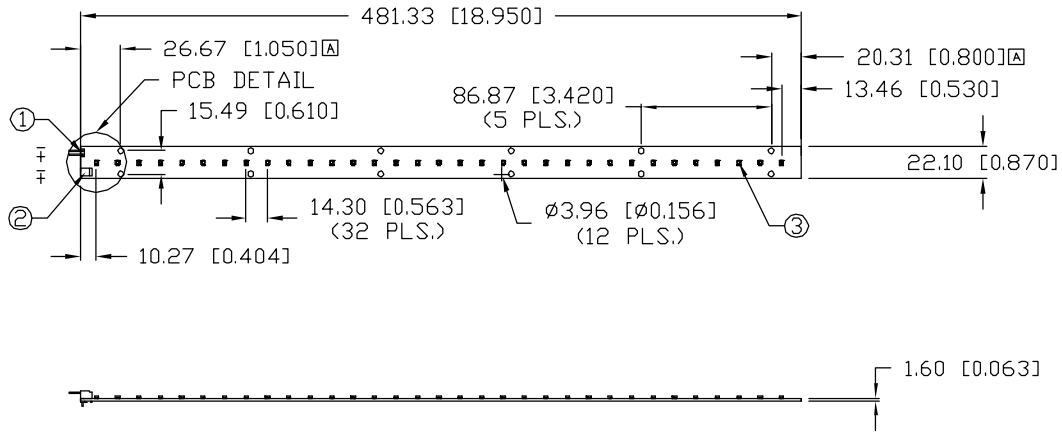
COMPANY CONFIDENTIAL

FACTORY PART#

UNDER REVISION

SC:5	PART NUMBER	REV.
	SSA-LX48022UWC-BOT	A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11565.	04.22.09



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA PER DIE

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH				nm	
FORWARD VOLTAGE	2.7		3.5	V_f	
REVERSE VOLTAGE	2250		4500	V_r	I_r=50µA
AXIAL INTENSITY	15	30		mcd	I_f=20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

NOTES:

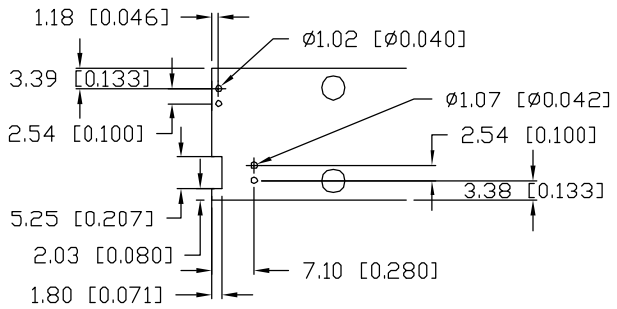
1. MOLEX #22122021 OR EQUIVALENT.
2. MOLEX #22162021 OR EQUIVALENT.
3. SML-LX2832UWUWBIN.
4. PC BOARD TO BE CONFORMAL COATED.

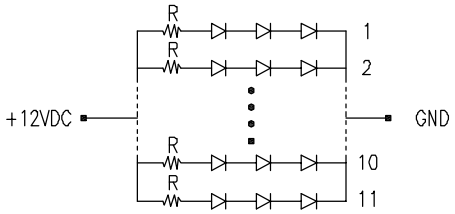
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	110	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C

DUTY 1/10, PULSE WIDTH 10 mS

PCB DETAIL





R= 60 OHMS, 1206 PACKAGE, 1/4 WATT.

CM C3 C3

*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
A	SSA-LX48022UWC-BOT

CUSTOM LED ARRAY ASSEMBLY, 33 WHITE LEDS,

12 V, 440mA, BOTTOM HALF.

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 An ITW Company

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:	CHECKED BY:	APPROVED BY:	DATE: 11.20.08
JN			PAGE: 1 OF 1
			SCALE: N/A