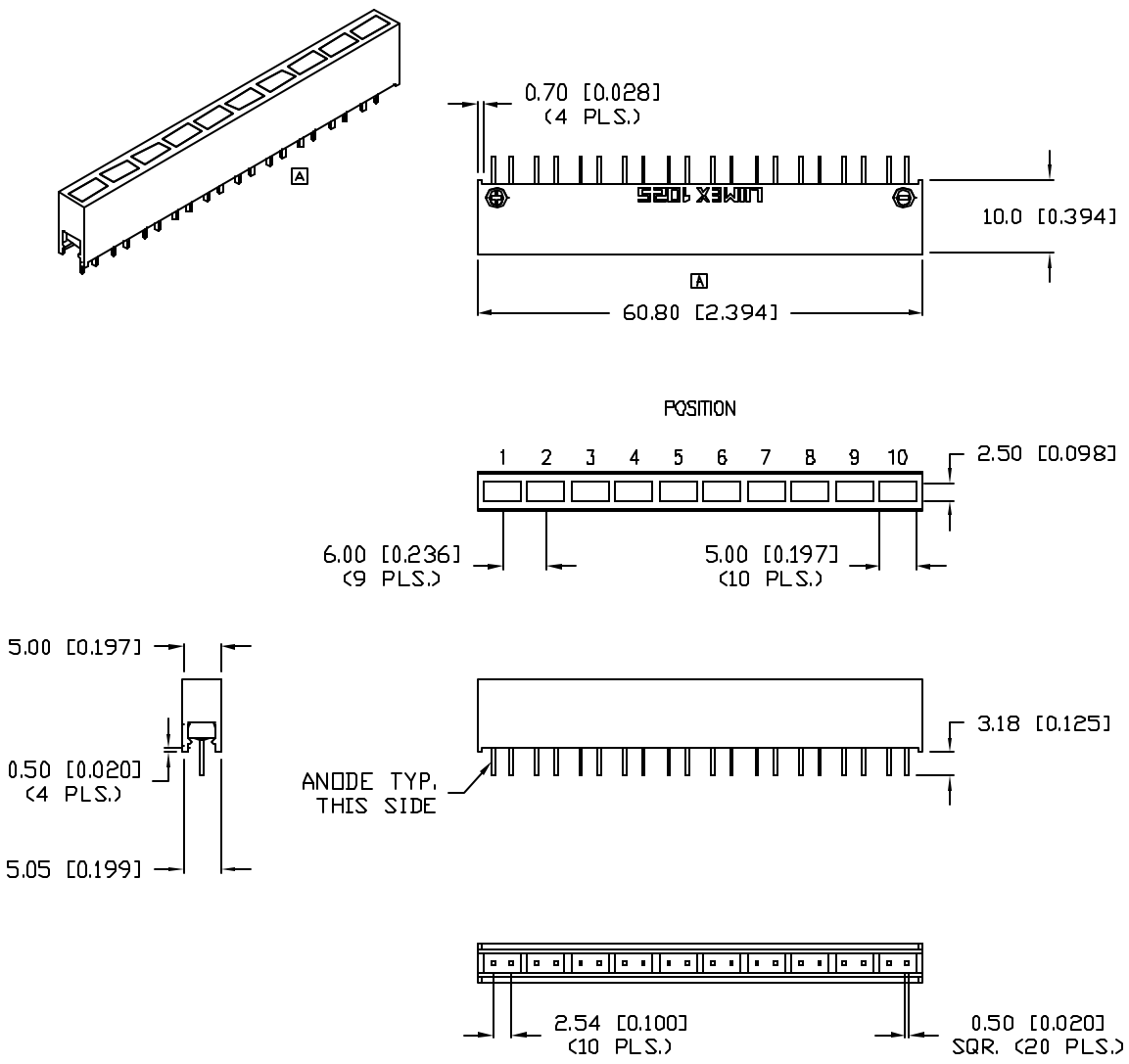


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSA-LXH1025G8Y111D		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	#10BRDR. & REDRAWN IN 3D, #10646.	7-26-00



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

PARAMETER	GREEN	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	585	635	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	10	10	15	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	110	110	110	2x theta	
LED POSITION:	1~8	9	10		

EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/Y/R)	25/30/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

- SSH-LXH1025 HOLDER. MATERIAL.: BLACK NYLON, UL V94-0.
- SSL-LX25583GD, GREEN LED (8 PCS.).
- SSL-LX25583YD, YELLOW LED (1 PCS.).
- SSL-LX25583RD, RED LED (1 PCS.).
- SORT LEDS FOR MATCHED INTENSITY PER. SPP 0202 (GREEN) AND SPP 0301 (YELLOW).

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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	CONFIDENTIAL INFORMATION		290 E. HELLEN ROAD	
A	SSA-LXH1025G8Y111D	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		PALATINE, ILLINOIS 60067	
10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEDS, POS. 1~8: 565nm GREEN, POS. 9: 585nm YELLOW, POS.10: 635nm RED, DIFFUSED PER POSITION, UN CUT LEADS.		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.		PHONE: (847) 359-2790	
				WEB: http://www.lumex.com	
		DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 2-6-98
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				SCALE: N/A	

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