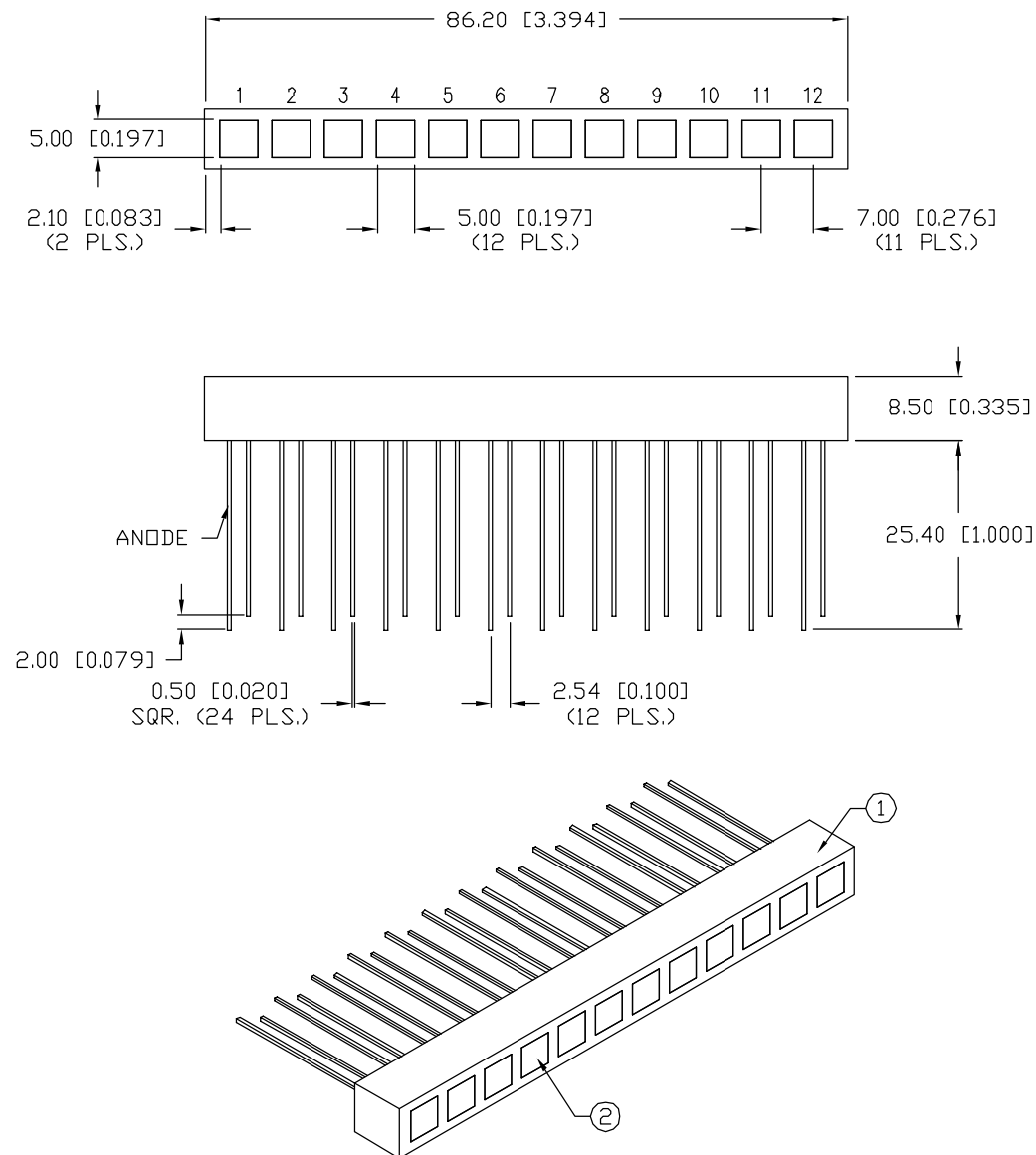


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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+0.00  
-DECIMAL PRECISION MAX.=+0.00  
-DECIMAL PRECISION

PART NUMBER		REV.
SSA-LXB120GD		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	6.14.01

ELECTRO—OPTICAL CHARACTERISTICS			T <sub>A</sub> =25°C	I <sub>f</sub> = 20mA	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY		10		mcd	I <sub>f</sub> = 20mA
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	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

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

NOTES:

1. SSH-LXH120B, BLACK HOLDER.
2. SSL-LX5573GD, LED. (12 PCS.)

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REV. A	PART NUMBER SSA-LXB120GD	<div>CONFIDENTIAL INFORMATION</div> <div>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.</div> <div>RELIABILITY NOTE</div> <div>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.</div>	<div></div> <div>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: <a href="http://www.lumex.com">www.lumex.com</a> TW WEB: <a href="http://www.lumex.com.tw">www.lumex.com.tw</a></div>
5mm x 5mm SQUARE 12 LED ARRAY, 565nm GREEN LEDS, GREEN DIFFUSED LENS.		<div>DRAWN BY:  CT</div>	<div>CHECKED BY:</div> <div>APPROVED BY:</div> <div>DATE: 12.6.99 PAGE: 1 OF 1 SCALE: N/A</div>

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