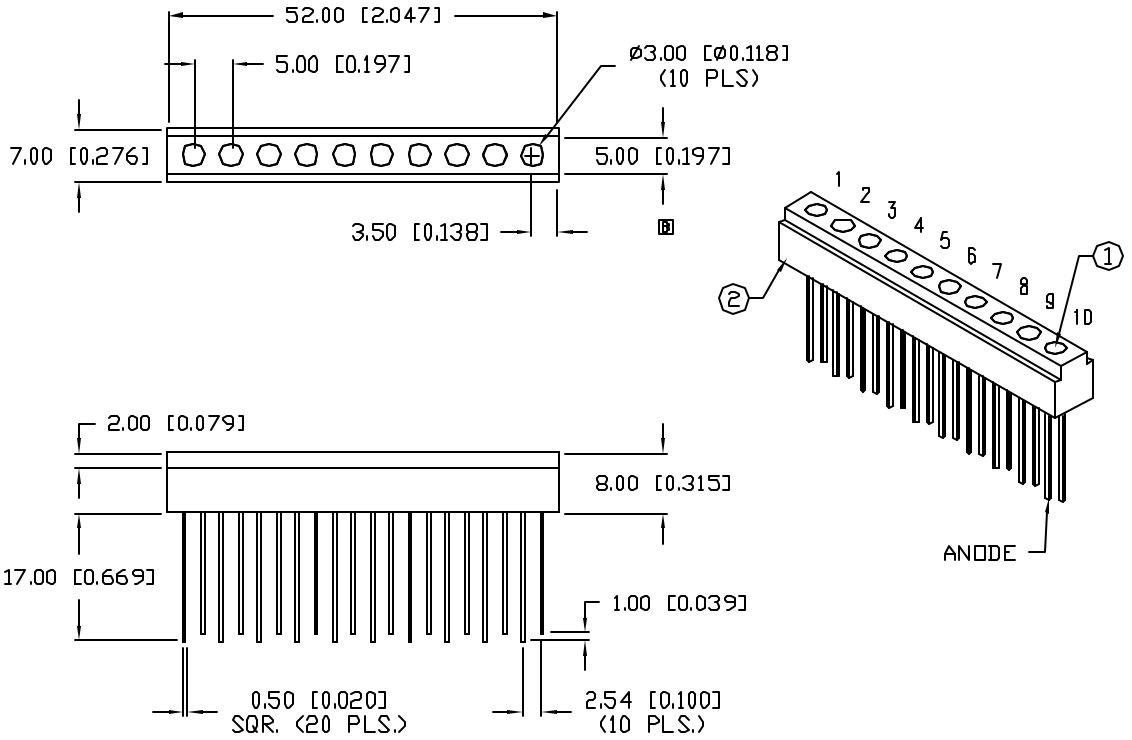
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
SSA-LXB102ID	C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	SAFE OPER SPECS & DWG. NAME.	8.23.94
B	UPDATED SPECS, ADDED NOTES.	11.17.94
C	E.C.N. #10BRDR. & REDRAWN.	12.25.01



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	I_r=100µA
AXIAL INTENSITY		8		mcd	I_f=20mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

	PARAMETER	MAX	UNITS
B	PEAK FORWARD CURRENT*	150	mA
	STEADY CURRENT	30	mA
B	POWER DISSIPATION	105	mW
	DERATE FROM 25°C	-1.2	mW/°C
A	OPERATING, STORAGE TEMP.	-40 TO +85	°C
	SOLDERING TEMP.	+260	°C
A	2.0mm FROM BODY		3 SEC. MAX

* t<10µS

NOTES:

1. SSL-LX30FT14ID, RED LED. (10 PCS.)
2. SSH-LXH102, BLACK HOLDER.
3. B USE U.V. GLUE TO HOLD LEDS IN PLACE.
4. B LEADS TO BE FREE OF GLUE.

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

REV.	PART NUMBER
C	SSA-LXB102ID

T-3mm 10 LED FLAT TOP ARRAY,
635nm RED LEDS, RED DIFFUSED LENS.

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.

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CT			PAGE: 1 OF 1
			SCALE: N/A