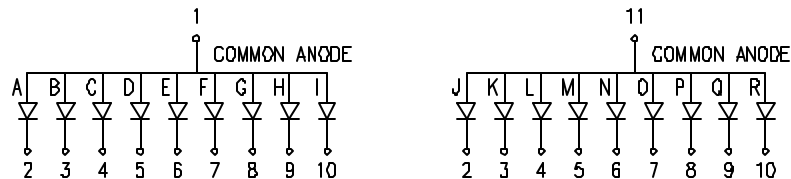
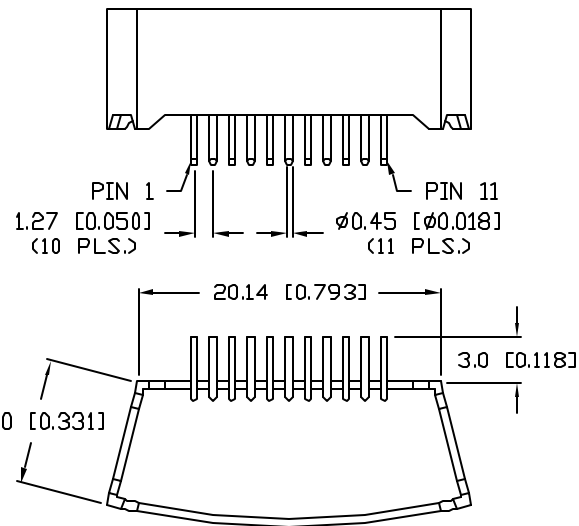
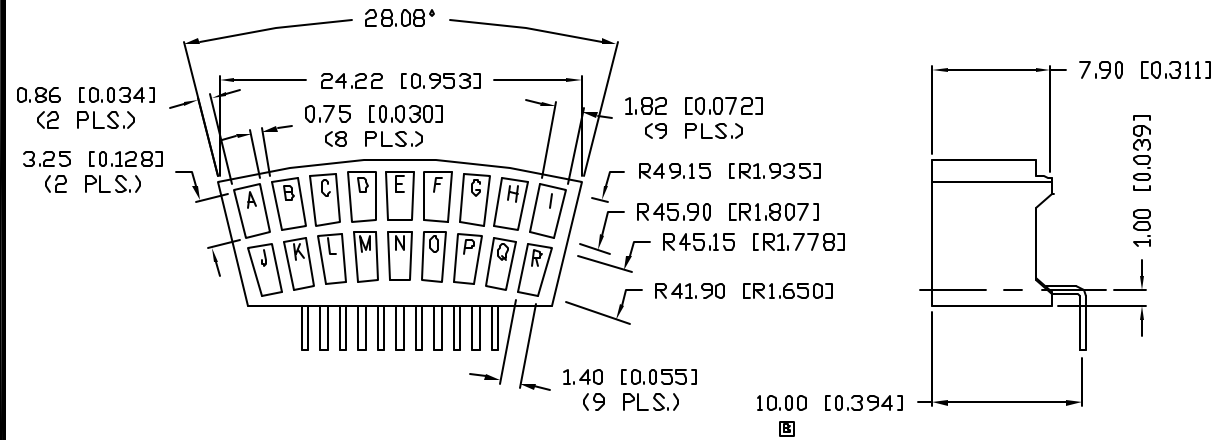


UNCONTROLLED DOCUMENT



*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, MAX.=+0.00

PART NUMBER
SSA-LXB209GYAQ5461

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10734. & #10BRDR.	5.4.01
B	E.C.N. #10823.	12.26.01

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

PARAMETER	GREEN	YELLOW	AMBER	UNITS	TEST COND
PEAK WAVELENGTH	565	585	605	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 (TYP.)	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (TYP.)	8	8	8	mcd	$I_f=20\text{mA}$
AXIAL INTENSITY (MIN.)	1.0	1.0	1.0	mcd	$I_f=2\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	A~N	Q~P	Q~R		
EPOXY LENS FINISH: MILKY WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/Y/A)	25/30/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	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:

1. LUMEX PART NUMBER TO BE STAMPED ON THE SIDE OF THE REFLECTOR.
2. REFLECTOR MATERIAL: GREY NYLON.
3. PARTS TO BE PACKED IN ANTI-STATIC TUBES.

UNCONTROLLED DOCUMENT

REV.
B

PART NUMBER
SSA-LXB209GYAQ5461

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.



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18 SEGMENT CURVED ARRAY,
GREEN/YELLOW/AMBER CHIPS, MILKY WHITE DIFFUSED.

DRAWN BY: KS/BC	CHECKED BY:	APPROVED BY:	DATE: 12.18.00 PAGE: 1 OF 1 SCALE: N/A
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