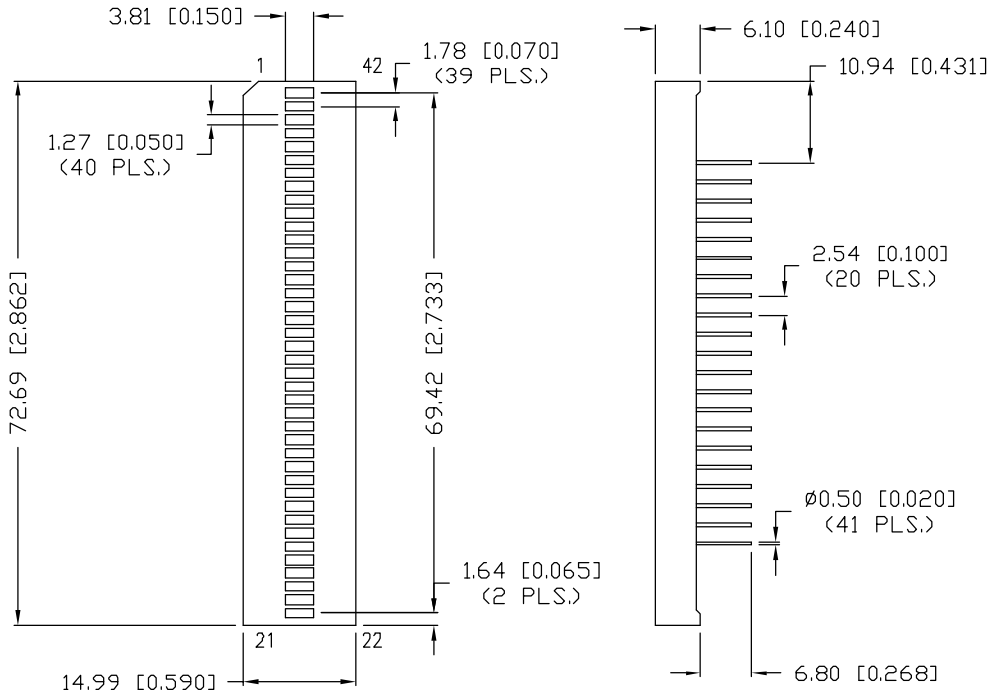
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
SSA–LXB40SYW	



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	I_r=100µA
AXIAL INTENSITY		80		mcd	I_f=20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				
FACE COLOR:	BLACK				

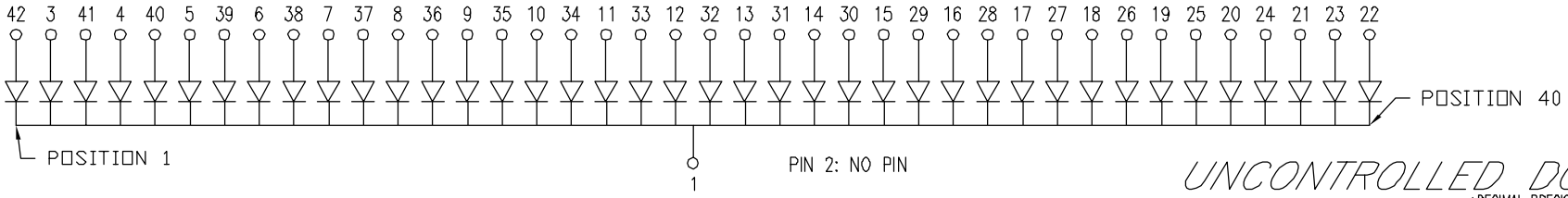
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	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<10µS

NOTES:

1. REFLECTOR MATERIAL: NORYLL
2. CHIP COLOR AND BRIGHTNESS TO BE UNIFORM IN EA. UNIT.
3. CHAMFERED CORNER DESIGNATES PIN 1 AND POSITION 1.



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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
	SSA–LXB40SYW

40 UNIT LED ARRAY, 590nm AlInGaP YELLOW LEDS, MILKY WHITE DIFFUSED LENS, BLACK FACE.

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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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