

UNCONTROLLED DOCUMENT

SC:1

PART NUMBER

REV.

SSA-LXB40GYAH10WCA

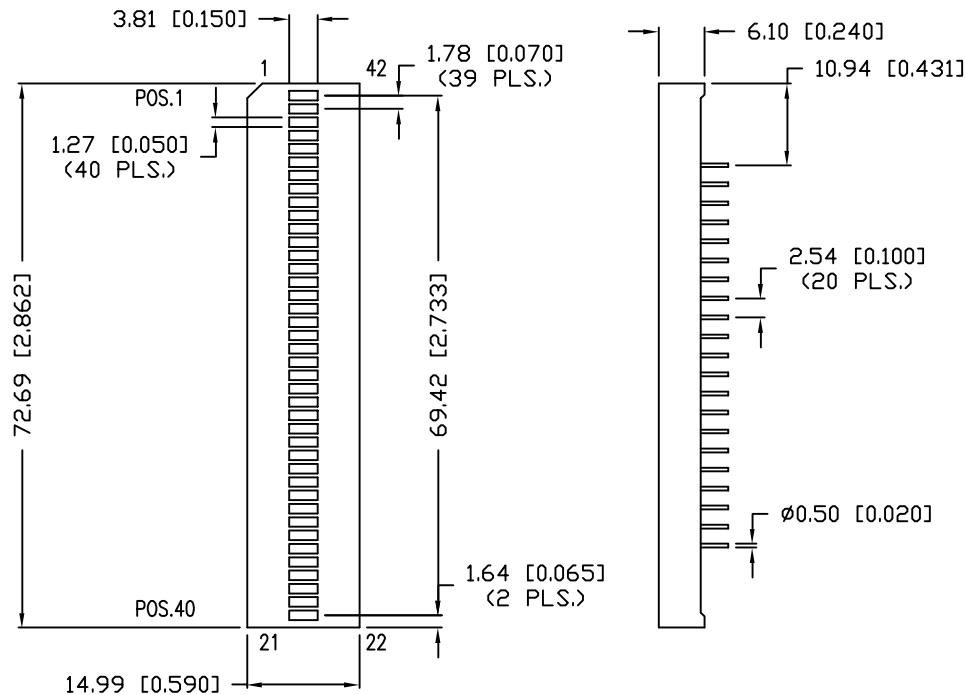
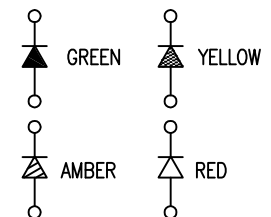
PRELIMINARY IN P/N DIR.

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

PARAMETER	GREEN	YELLOW	AMBER	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	585	605	700	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	2.0	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	10	mcd	$I_f=20\text{mA}$
LED POSITION:	1~10	11~20	21~30	31~40		
FACE COLOR:	BLACK					
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED					

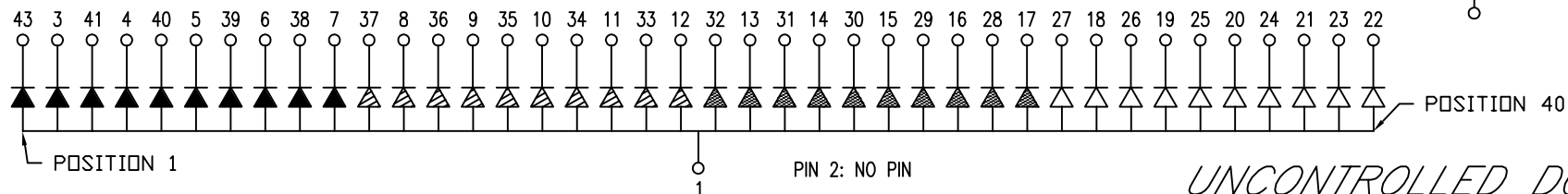
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/Y/A/R)	25/30/30/30	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:

- REFLECTOR MATERIAL: NORLYL
- CHAMFERED CORNER DESIGNATES PIN 1 AND POSITION 1.



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

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40 UNIT LED ARRAY, 10 GREEN, 10 YELLOW,
10 AMBER, 10 RED SEGMENTS,
MILKY WHITE DIFFUSED LENS.

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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SCALE: N/A