

UNCONTROLLED DOCUMENT

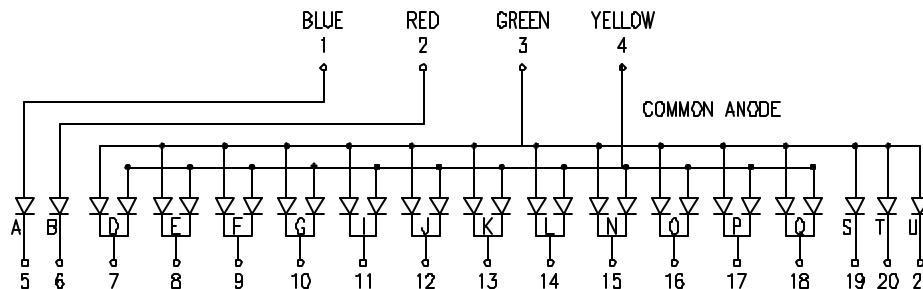
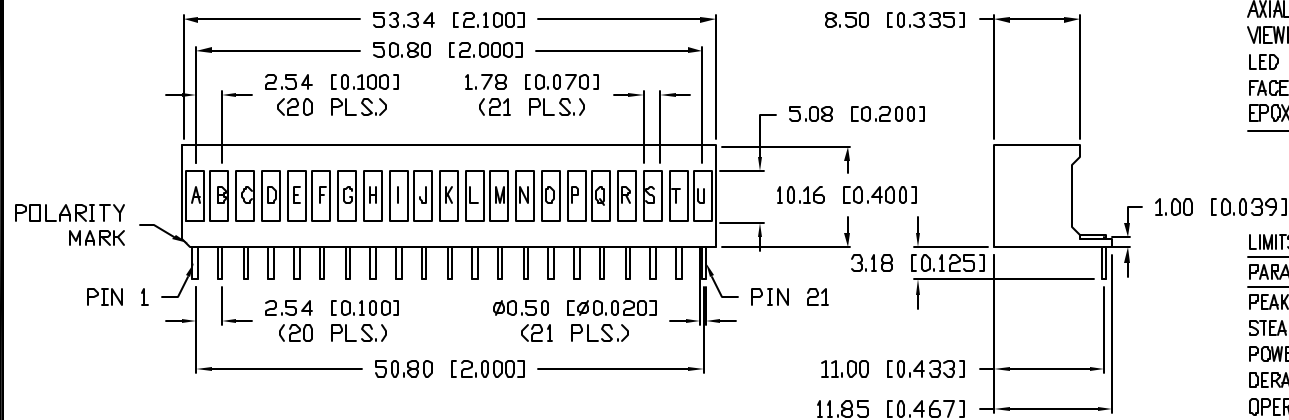
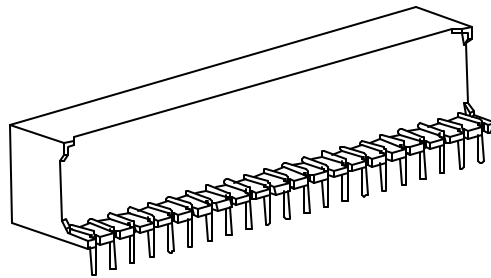
SC:0.75

PART NUMBER

REV.

SSA-LXB21SBSRGYWRA

PRELIMINARY IN P/N DIR

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

PARAMETER	BLUE	RED	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	430	660	565	585	nm	
FORWARD VOLTAGE (TYP.)	3.6	1.8	2.2	2.1	V_f	
FORWARD VOLTAGE (MAX.)	4.0	2.3	2.6	2.5	V_f	
REVERSE VOLTAGE (MIN)	5.0	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (TYP)	15	5	5	4	mcad	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	160	2θ theta	
LED POSITION:	A	B	D~U	D~Q		
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	(B/R/G/Y)	30/30/25/30	mA
POWER DISSIPATION	(B/R/G/Y)	70/40/45/45	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:

1. NO LED IN POSITION G, H, M, R.
2. REFLECTOR MATERIAL: NORYL.
3. LUMEX PART NUMBER TO BE STAMPED ON THE SIDE OF REFLECTOR.

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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 MAX.=+0.00 -0.00

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21 SEGMENT ARRAY, BLUE, RED, GREEN, YELLOW ASSORTED,
MILKY WHITE DIFFUSED SEGMENTS.

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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PAGE: 1 OF 1

SCALE: N/A