

UNCONTROLLED DOCUMENT

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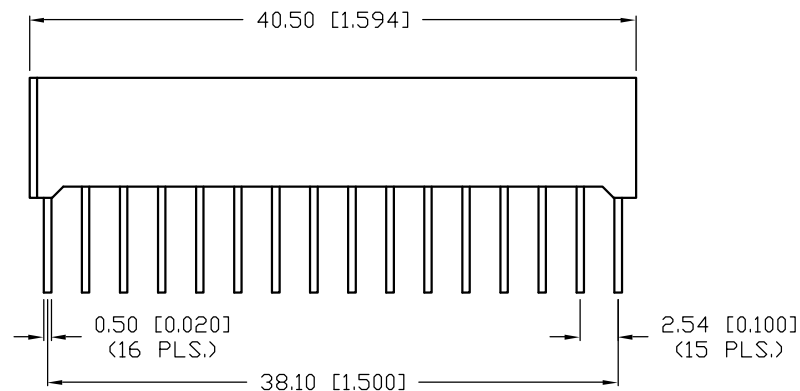
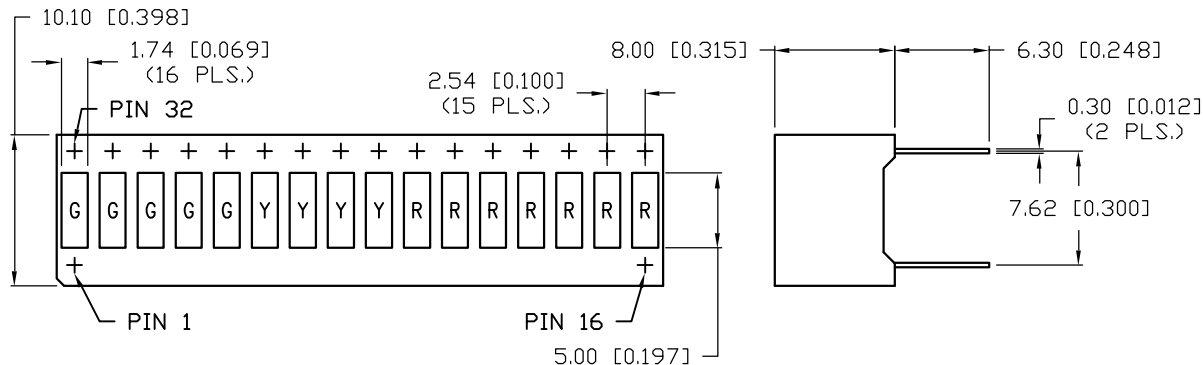
PART NUMBER

REV.

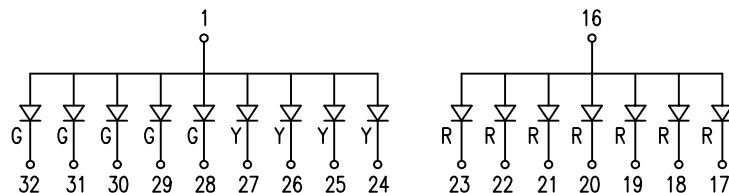
SSA-LXB161G5Y4I7W

P1

PRELIMINARY IN P/N DIR



PINOUT DETAIL: TOP VIEW



NOTE:

R= 635nm RED
Y= 585nm YELLOW
G= 565nm GREEN

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

PARAMETER	GREEN	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	585	635	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	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	7	7	7	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	160	160	160	2x theta	
LED POSITION:	1~5	6~9	10~16		
EPOXY LENS FINISH:	MILKY WHITE				
FACE COLOR:	BLACK				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/Y/R)	25/30/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX	

* $t < 10\mu\text{s}$

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*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -0.00

REV.

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P1

SSA-LXB161G5Y4I7W

2mm x 5mm 16 SEGMENT BAR DISPLAY,
POS.1~5: GREEN, POS.6~9: YELLOW, POS.10~16: RED,
BLACK FACE, WHITE SEGMENTS.

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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