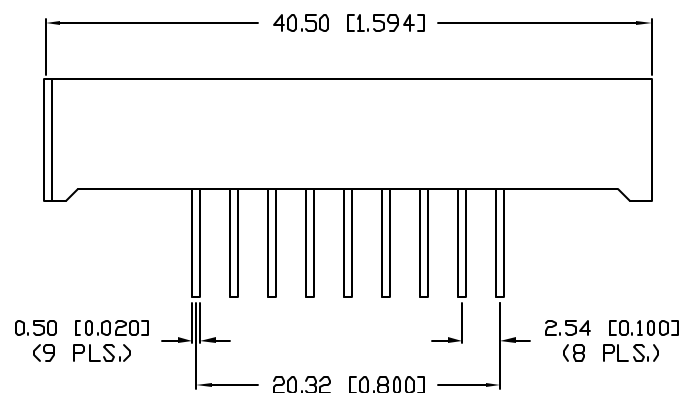
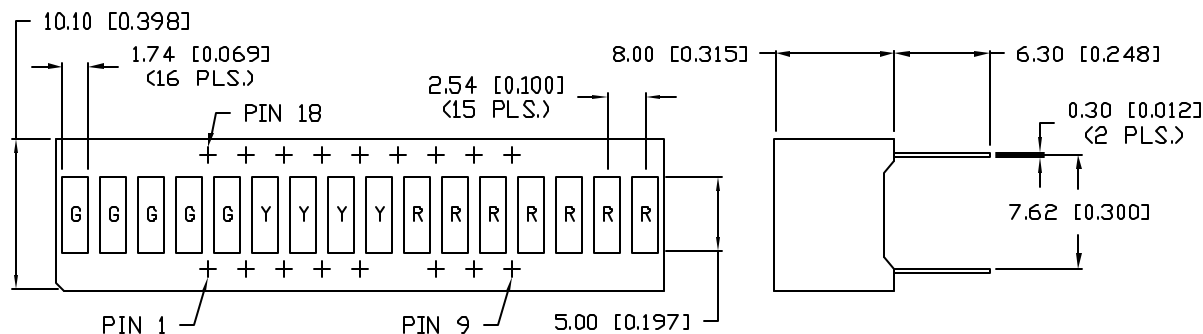
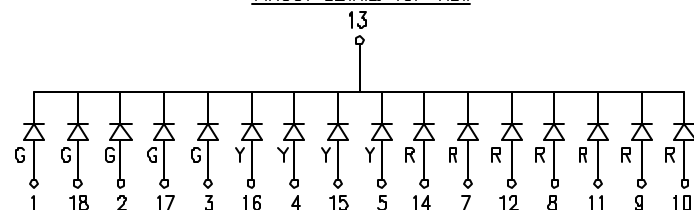


UNCONTROLLED DOCUMENT



PINOUT DETAIL: TOP VIEW



NOTE:

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

PART NUMBER
SSA-LXB20I4Y12G4W

REV.

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	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

*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}-0.00 MAX.=^{+0.00}-DECIMAL PRECISION

REV.

PART NUMBER

SSA-LXB20I4Y12G4W

2mm x 5mm 20 SEGMENT BAR DISPLAY,
POS.1~4: RED, POS.5~16: YELLOW, POS.17~20: GREEN,
BLACK FACE, WHITE 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