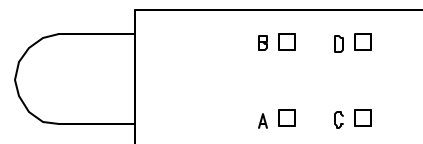
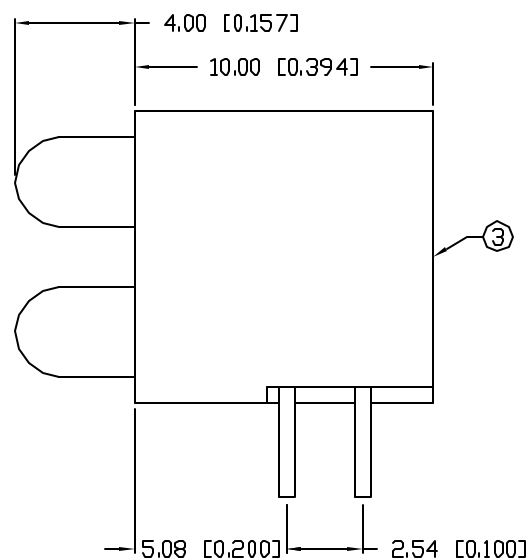
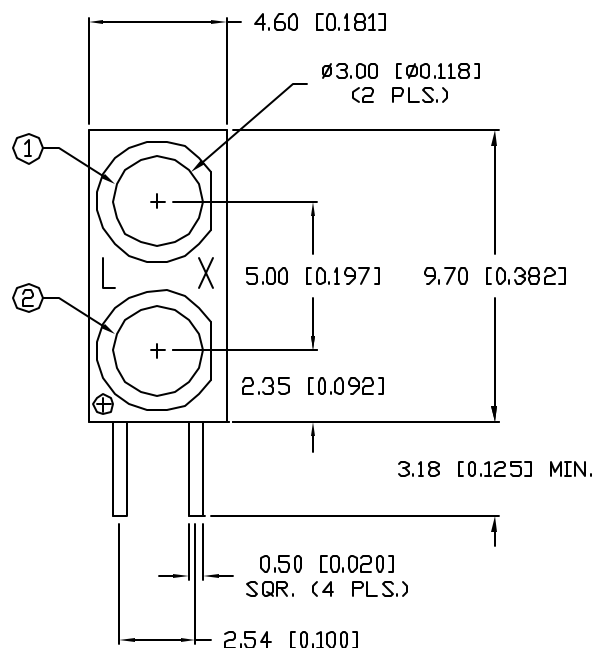


UNCONTROLLED DOCUMENT



NOTES:

1. SSL-LX3054YGW, YELLOW/GREEN BICOLOR LED.
2. SSL-LX3054YD, YELLOW LED.
3. SSH-LXH2103W HOLDER, WHITE. UL 94V-0.
4. PARTS TO BE PACKED IN POLYBAGS.

PIN-OUT

- A: YELLOW LED - YELLOW ANODE
 B: YELLOW LED - YELLOW CATHODE
 C: BICOLOR LED - YELLOW ANODE
 D: BICOLOR LED - GREEN ANODE

PART NUMBER
SSF-LXH2103WYGWYD4REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10629.	6.9.00
B	E.C.N. #10941.	1.2.03

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
		585 (GREEN)		nm	
FORWARD VOLTAGE (Y/G)		2.1/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (Y/G)		25/30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2x \theta$	
EMITTED COLOR:	POSITION 1-YELLOW/GREEN				
	POSITION 2-YELLOW				
EPOXY LENS FINISH:	POSITION 1-MILKY WHITE DIFFUSED				
	POSITION 2-YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(Y/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	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

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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.

B

PART NUMBER

SSF-LXH2103WYGWYD4

T-3mm (T-1) LED, PIGGY-BACK WHITE HOLDER,
 POS.1: YELLOW/GREEN BICOLOR LED, MILKY WHITE DIFFUSED,
 POS.2: YELLOW LED, YELLOW 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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APPROVED BY:

DATE: 11.5.99

PAGE: 1 OF 1

SCALE: N/A

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