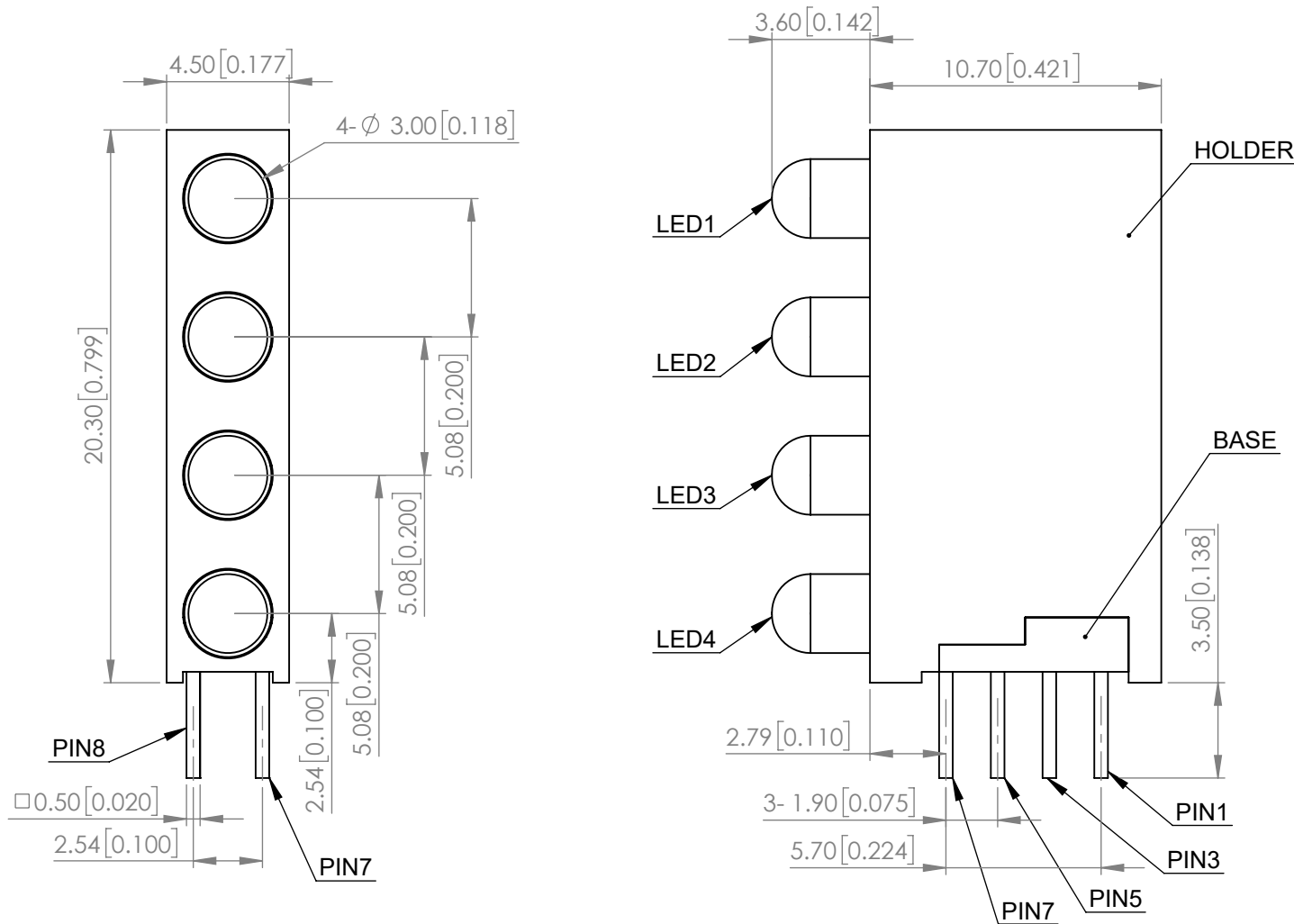
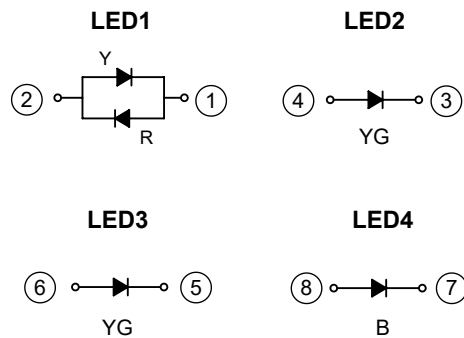


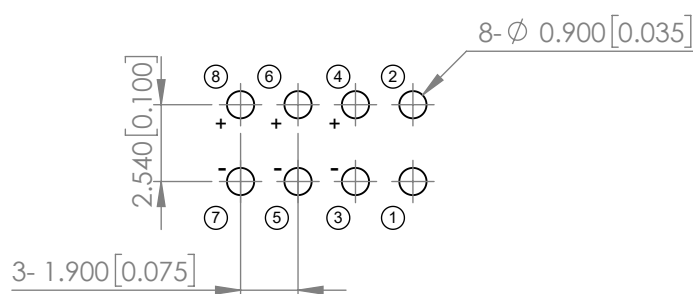
PRELIMINARY



POLARITY



RECOMMENDED PCB LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
DOMINANGT WAVELENGTH	Y/R	-	589/624	-	nm	If=20mA
	YG	-	575	-		If=20mA
	B	-	470	-		If=20mA
FORWARD VOLTAGE	Y/R	1.7/1.7	-	2.4/2.4	Vf	If=20mA
	YG	1.7	-	2.4		If=20mA
	B	2.7	-	3.7		If=20mA
REVERSE CURRENT	Y/R	-	-	10/10	uA	VR=5V
	YG	-	-	10		
	B	-	-	10		
LUMINOUS INTENSITY	Y/R	-	50	-	mcd	If=20mA
	YG	-	32	-		If=20mA
	B	-	125	-		If=20mA
VIEWING ANGLE	Y/R	-	60	-	2x theta1/2	-
	YG	-	60	-		
	B	-	60	-		
EMITTED COLOR	Y/R BICOLOR / YELLOW GREEN / BLUE					
EPOXY LENS FINISH	WHITE DIFFUSED					

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT(Y/R/G/B)*	100/100/100/100	mA
FORWARD CURRENT(Y/R/G/B)	25/25/25/25	mA
REVERSE VOLTAGE(Y/R/G/B)	5	V
POWER DISSIPATION(Y/R/G/B)	60/60/60/100	mW
ESD(HBM)	2000	V
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +85	°C
LEAD SOLDERING TEMPERATURE	250°C/10SEC, 217°C/60~150SEC, 2 TIMES REFLOW PROCESS	°C

*1/10 Duty cycle, 0.1ms pulse width

NOTE:

- LED:SSL-LX3044SISYWHT3*1 (LED1)
SSL-LX3044SUGW-HT3*2(LED2/3)
SSL-LX3044USBW-HT3*1 (LED4)
- HOLDER:SSH-H4331-1*1A (HOLDER)
SSH-H4331-2*1 (BASE)

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION



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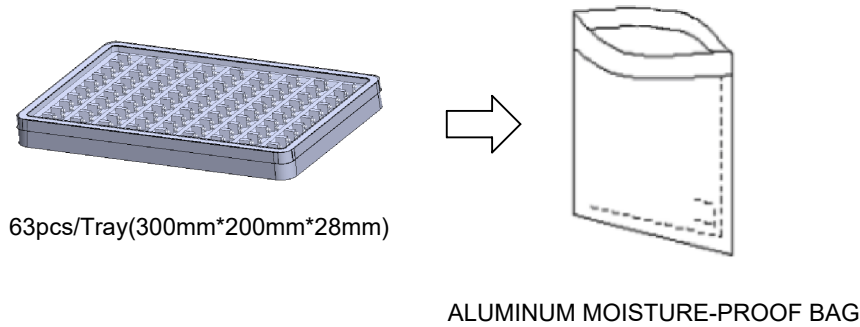
4.5(W)*20.30(H)*10.70(D)mm, 4 LEDs INDICATOR, POS.1 AlGaInP YELLOW/AlGaInP RED BICOLOR , POS.2/3 AlGaInP YELLOW GREEN, POS.4 InGaN BLUE, MATTE TIN PIN, WHITE DIFFUSED LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTIC.

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DATE : 2023.11.13	DRAWN BY : E.C.
PAGE : 1 OF 6	CHKD BY : E.C.
SCALE : NTF	APRVD BY : --
UNIT : mm [INCH]	Ⓢ

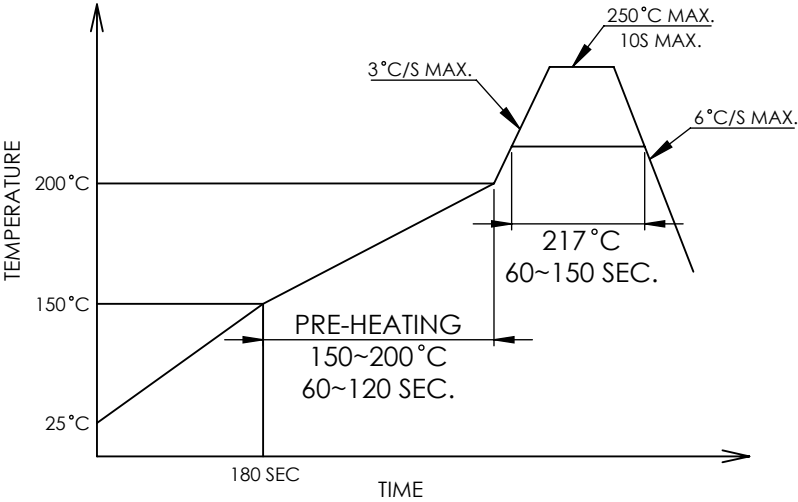
PACKING



TEST ITEM OF RELIABILITY

ITEM	CONDOTION	TIMES
LIFE TEST	Ta=25°C,If=20mA	1000H
HIGH HUMIDITY HEAT LIFE TEST	65°C/RH=90%,If=10mA	500H
LOW TEMPERATURE LIFE TEST	Ta=-20°C,If=20mA	1000H
TEMPERATURE CYCLE	-20°C/30min<->105°C/30min	100 CYCLE
THRMAL SHOCK	-20°C/15min<->105°C/15min	100 CYCLE
HIGH HUMIDITY HEAT CYCLE	30°C<->65°C RH=90%,24H/1 CYCLE	10 CYCLE
HIGH TEMPERATURE STORAGE	Ta=100°C	1000H
LOW TEMPERATURE STORAGE	Ta=60°C/RH=90%	1000H
HUMIDITY HEAT STORAGE	Ta=-30°C	1000H

PROFILE



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



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