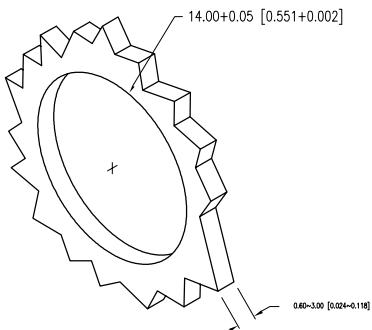
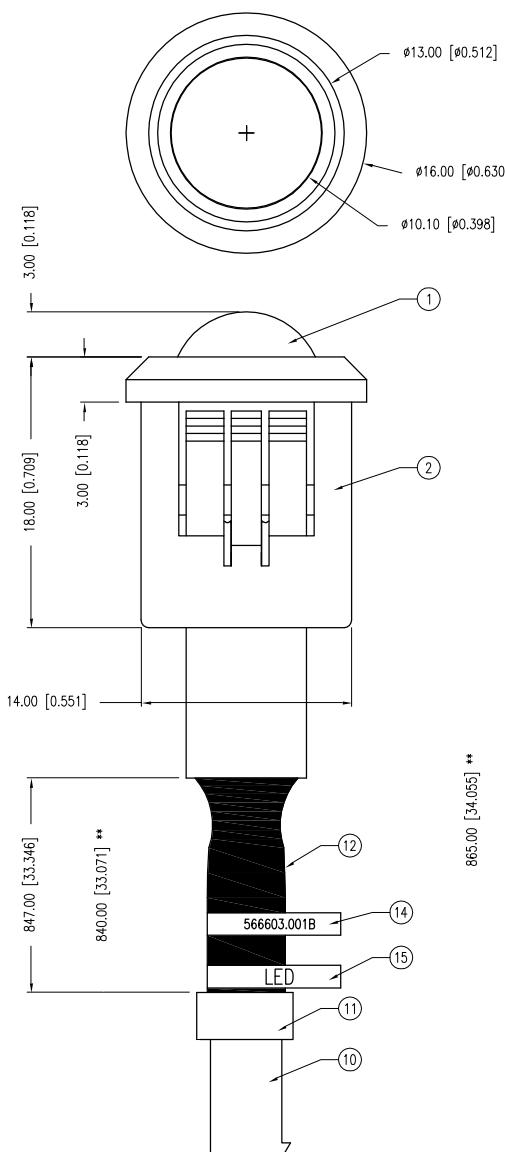


PART NUMBER	SSI-LXH1090SOD7091	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
6.19.06	E.C.N. #11335		A
1.09.07	E.C.N. #11384		B
6.24.08	E.C.N. #11512		C
8.20.08	E.C.N. #11528		D
09.23.10	E.C.N. #11661		E



ELECTRO-OPTICAL CHARACTERISTICS TA=25°C				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		610		nm
FORWARD VOLTAGE			12.0	Vf
REVERSE VOLTAGE		5.0		Vr
AXIAL INTENSITY			100	l _r =100μA mcd
VIEWING ANGLE		60		l _f =20mA 2x theta
EMITTED COLOR:	ORANGE			
EOXY LENS FINISH:	ORANGE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

* t<10μs

CAUTION: PRESSURE SENSITIVE ASSEMBLY
AVOID APPLYING PRESSURE TO LED
DURING PANEL ASSEMBLY.

[A] NOTES:

1. SSL-LX10013SOD LED, TRIM ANODE LEAD TO 5mm, DO NOT TRIM CATHODE LEAD.
2. SSH-RTP1090 HOLDER.
3. ANODE LEAD: LXP-WST24RDT0C, 24 AWG STRANDED, RED INSULATION, CUT 850mm LONG, STRIP 3mm END.
4. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG STRANDED, BLACK INSULATION, CUT 850mm LONG, STRIP 3mm END.
5. 510Ω 1/2W RESISTOR, TRIM LEADS 18mm END TO END.
6. 723.9mm, 3/16" BLACK HEAT SHRINK TUBING.
7. 30.1mm 1/8" BLACK HEAT SHRINK TUBING.
8. UV EPOXY TO RETAIN LED IN HOLDER.
9. 146mm LONG 1/4" BLACK HEAT SHRINK.
10. AMP CONNECTOR# 172233-1.
11. AMP CRIMP# 170359-3. (2 PCS.)
12. SHRINK ITEMS 6 AND 9 IN THIS AREA ONLY.
13. 38.1mm, 3/16" BLACK HEAT SHRINK TUBING.

[D] E14. 1/4" x 1" FLAG LABEL (566603-001B) AT CENTER OF CABLE.

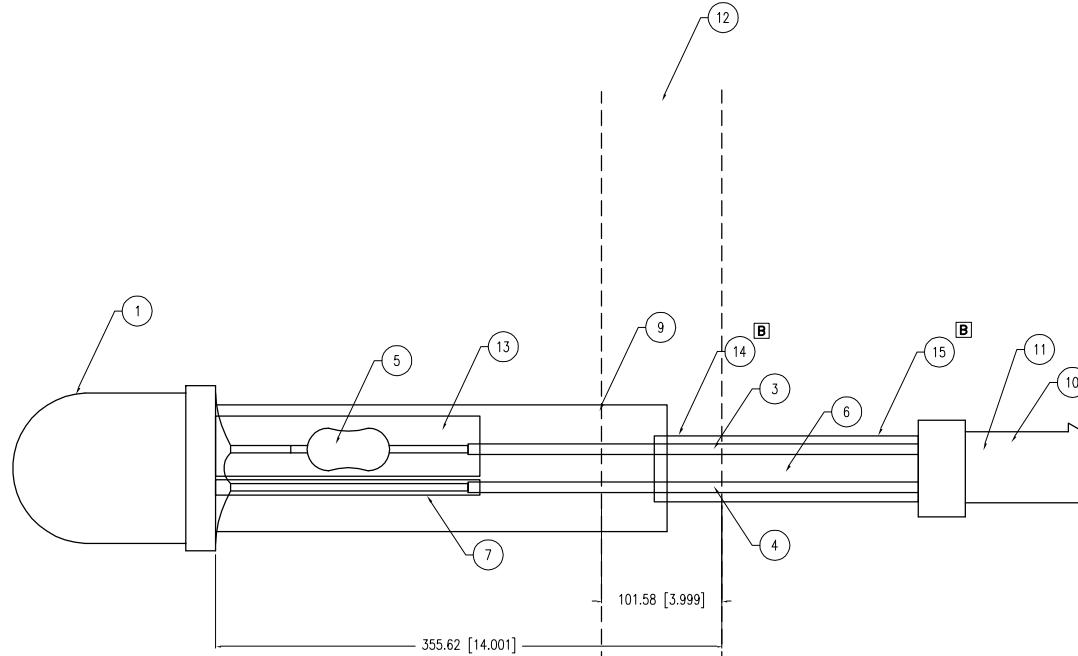
[E] 15. 1/4" x 1" FLAG LABEL (LED) AT END OF CABLE ABOVE AMP CONNECTOR

16.** QUALITY CHECKED DIMENSIONS (ON 7.12.10)

*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= -0.00 DECIMAL PRECISION MAX= +0.00 DECIMAL PRECISION UNCONTROLLED DOCUMENT

DATE:	07.12.10	DRAWN BY:	JN
PAGE:	1 OF 2	CHKD BY:	MP
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		(P)

PART NUMBER	SSI-LXH1090SOD7091	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
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6.24.08	E.C.N. #11512		C
8.20.08	E.C.N. #11528		D
09.23.10	E.C.N. #11661		E

NOTES:

1. PLACE ITEM 13 OVER RESISTOR AND SHRINK.
2. PLACE ITEM 7 OVER WIRE AND SHRINK.

NOTES:

1. SSL-LX100133SOD LED, TRIM ANODE LEAD TO 5mm, DO NOT TRIM CATHODE LEAD.
2. SSH-RTF1090 HOLDER.
3. ANODE LEAD: LXP-WST24RTOC, 24 AWG STRANDED, RED INSULATION, CUT 850mm LONG, STRIP 3mm END.
4. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG STRANDED, BLACK INSULATION, CUT 850mm LONG, STRIP 3mm END.
5. 510Ω 1/2W RESISTOR, TRIM LEADS 18mm END TO END.
6. 723.9mm, 3/16" BLACK HEAT SHRINK TUBING.
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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 -DECIMAL PRECISION UNCONTROLLED DOCUMENT

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