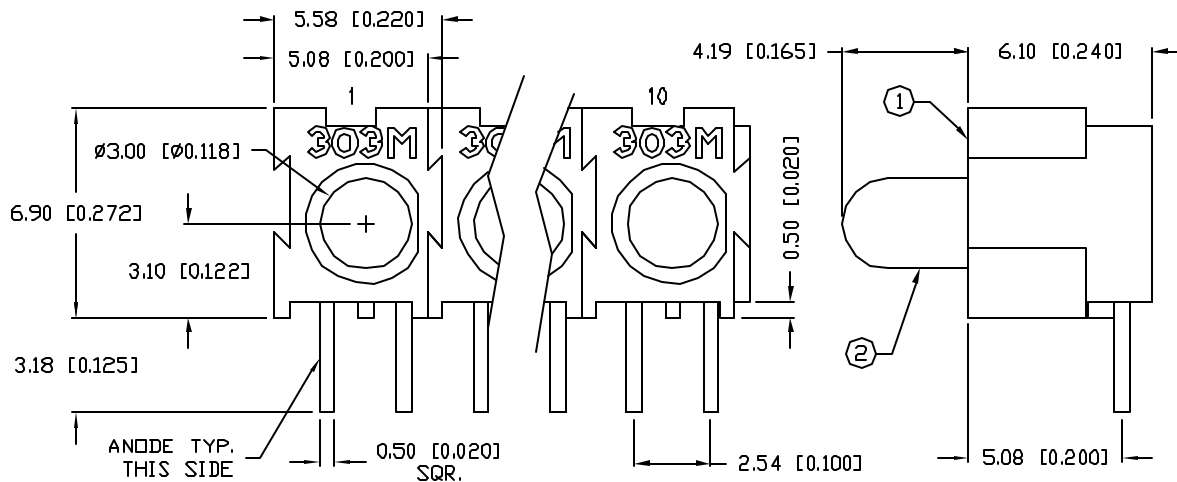




LED LAYOUT TABLE										
-AXXX	LED 1	LED 2	LED 3	LED 4	LED 5	LED 6	LED 7	LED 8	LED 9	LED 10
-A001	RED	-	-	-	-	-	-	-	-	-
-A002	GREEN	-	-	-	-	-	-	-	-	-
-A003	YELLOW	-	-	-	-	-	-	-	-	-
-A004	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED
-A005	RED	YELLOW	GREEN	-	-	-	-	-	-	-
-A006	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	RED
-A007	RED	RED	RED	RED	RED	RED	RED	RED	-	-
-A008	RED	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW
-A009	R/G	-	-	-	-	-	-	-	-	-
-A010	GREEN	YELLOW	RED	-	-	-	-	-	-	-
-A011	GREEN	GREEN	YELLOW	RED	-	-	-	-	-	-
-A012	GREEN	RED	-	-	-	-	-	-	-	-
-A013	RED	GREEN	-	-	-	-	-	-	-	-
-A014	UNASSIGNED									

NOTES:

- SSH-LXH303M, MONSANTO VDYNE NYLON 6/6, BLACK HOLDER.
- SSL-LX3064L SERIES LED, LOW CURRENT SELECTION IS BEING USED FOR IMPROVED BRIGHTNESS UNIFORMITY.

PART NUMBER
SSF-LXH303M-AXXX

REV.
J

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	LED LAYOUT TABLE REDRAWN./	11-10-93
B	CHG'D ELECTRICAL SPECS./	11-11-93
C	UPDATED NOTE #2./	11-18-93
D	UPDATED ELEC. SPECS./	12-15-93
E	CHG'D SPECS -A008 & -A009 ON LED LAYOUT TABLE./	1-14-94
F	UPDATED -A005 SPEC. TO ADJUST LED POSITION./	2-24-94
G	ADDED SPEC -A010, UPDATED SAFE OPER. SPECS./	1-25-95
H	E.C.N. #10300./	1-30-97
I	E.C.N. #10BRDR. & REDRAWN.	12-3-98
J	E.C.N. #10528.	6-29-99

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

PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	700	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V _f	
REVERSE VOLTAGE (TYP.)	5.0	5.0	5.0	V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (TYP.)	6	30	30	mcd	$I_f=20\text{mA}$
AXIAL INTENSITY (MIN.)	1.0	1.0	1.0	mcd	$I_f=2\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION: PER POSITION IN LED LAYOUT TABLE					
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G)	25/30/25	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 TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV.
J

PART NUMBER
SSF-LXH303M-AXXX

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: 1-847-359-2790
WEB: HTTP://WWW.LUMEX.COM

T-3mm (T-1) MATING, RIGHT ANGLE FAULT INDICATOR.
ASSORTED COLORS AND POSITIONS. SEE CHART.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 11-4-93
BC			PAGE: 1 OF 1
			SCALE: N/A