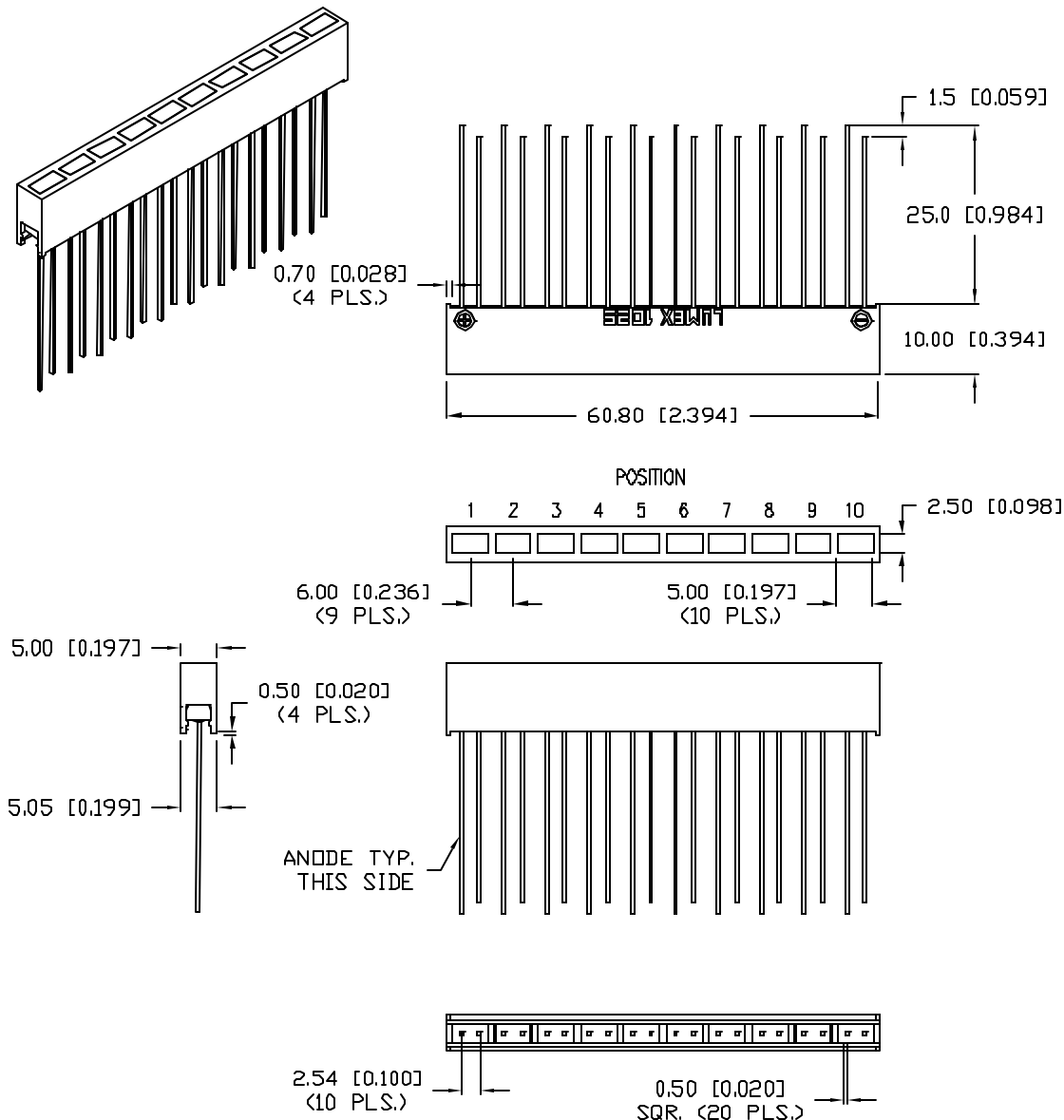


UNCONTROLLED DOCUMENT



*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}

SC:1

PART NUMBER

REV.

SSA-LXH1025-Q17502

PRELIMINARY IN P/N DIR

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

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

PARAMETER	BLUE	YELLOW	AMBER	RED	UNITS	TEST COND
PEAK WAVELENGTH	430	585	605	635	nm	
FORWARD VOLTAGE (TYP.)	4.5	2.1	2.1	2.0	V_f	
FORWARD VOLTAGE (MAX.)	5.5	2.5	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	30	mod	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	60	2x theta	
LED POSITION:	1,6	2,7	3,4,8,9	5,10		
EPOXY LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			30 SEC. MAX

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

NOTES:

- SSH-LXH1025 HOLDER. MATERIAL.: BLACK NYLON, UL V94-0.
- SSL-LX25583SBD/A LED (2 PCS). UNCUT LEADS.
- SSL-LX25583YD LED (2 PCS.). UNCUT LEADS.
- SSL-LX25583AD LED (4 PCS.). UNCUT LEADS.
- SSL-LX25583ID LED (2 PCS.). UNCUT LEADS.
- SORT LEDS FOR MATCHED INTENSITY PER.

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REV.

PART NUMBER

SSA-LXH1025-Q17502

10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEDS,
BLUE, YELLOW, AMBER, AMBER, RED, BLUE, YELLOW, AMBER,
AMBER, RED, DIFFUSED PER COLOR.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 1.6.03

PAGE: 1 OF 1

SCALE: N/A