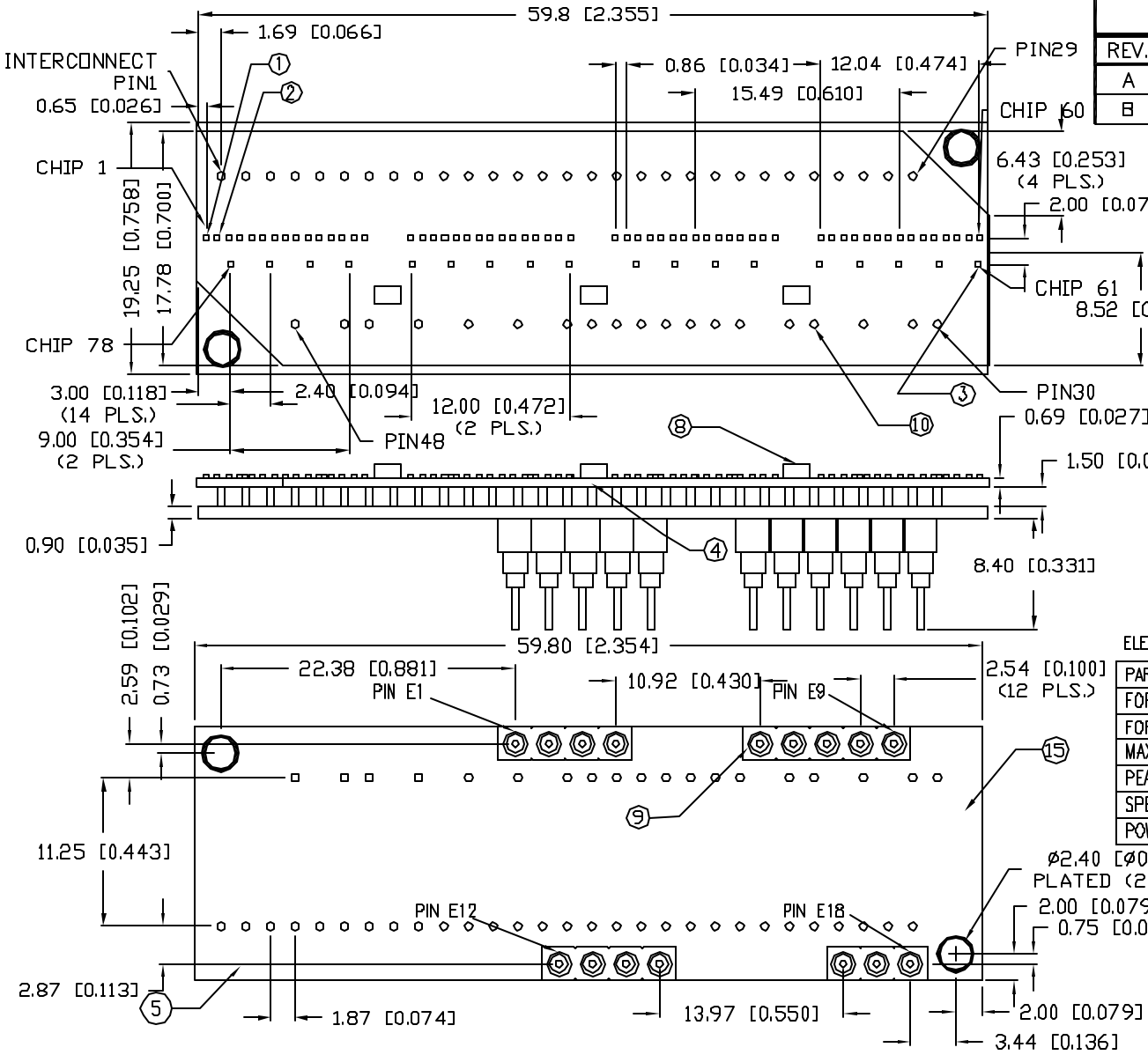
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
SSD-LX78-750A	B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11306.	1.31.06
B	E.C.N. #11407.	5.1.07



NOTES:

1. SSD-LX01DE1200CGPU (30 PCS.) CHIPS:1,3,5,7....59
2. SSD-LX010E1550CGPU (30 PCS) CHIPS:2,4,6,8....60
3. SSD-LX010E750DGNU (18 PCS) CHIPS:61-78
4. LXP-PCBCER78
5. FR4 RESISTOR BOARD
6. LED COATED BY DYMAX 9620.
7. TOLERANCE FOR CHIPS ±10nm & ±5% POWER OUTPUT.
8. THERMISTOR, 2.5KΩ @ ROOM TEMP, 0805 PACKAGE (3 PCS.)
9. SAMTEC #BBS-116-G-A, SYMBOL: □
10. GOLD PLATED INTERCONNECT PINS (48 PCS.), SYMBOL: o
11. 62Ω RESISTOR, 1% 0805 PACKAGE (30 PCS.)
12. 7.5Ω HEATER ON BOTTOM OF CERAMIC BOARD.
13. 1nF CAPACITOR, 0805 PACKAGE (7 PCS.)
14. 470Ω RESISTOR, 1% 0805 PACKAGE (9 PCS.)
15. RESISTORS & CAPACITOR NOT SHOWN.
16. 469826-2, MM/YY-LX TO BE MARKED ON PCB, WHERE MM/YY IS MONTH/YEAR OF MANUFACTURE.

ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	750nm	1200nm	1550nm	UNITS
FORWARD VOLTAGE TYP.	V_f	I_f=20mA	1.5	0.8	0.8	V
FORWARD VOLTAGE MAX.	V_f	I_f=20mA	1.9	1.3	1.3	V
MAX REVERSE CURRENT	I_r	V_r=3V	10	10	10	µA
PEAK WAVELENGTH	λ_p	I_f=20mA	750	1200	1550	nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	I_f=20mA	30	50	50	nm
POWER INTENSITY	I_v	I_f=20mA	3.5	0.6	0.4	mW

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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= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

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CUSTOM IR CERAMIC BOARD,

30:1200nm, 30:1550nm, 18:750nm.

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

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JC			PAGE: 1 OF 2
			SCALE: N/A

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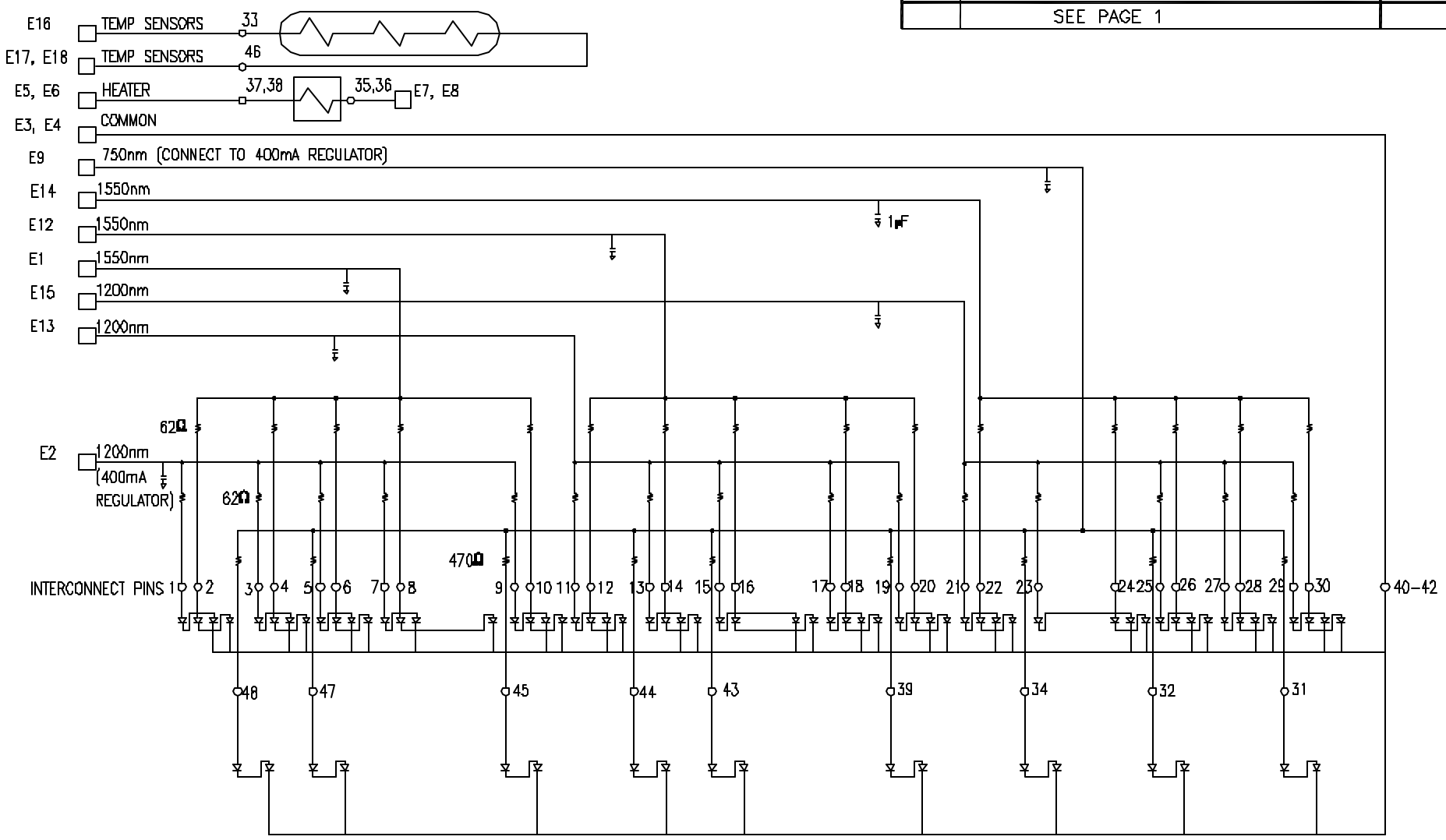
	SEE PAGE 1	



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