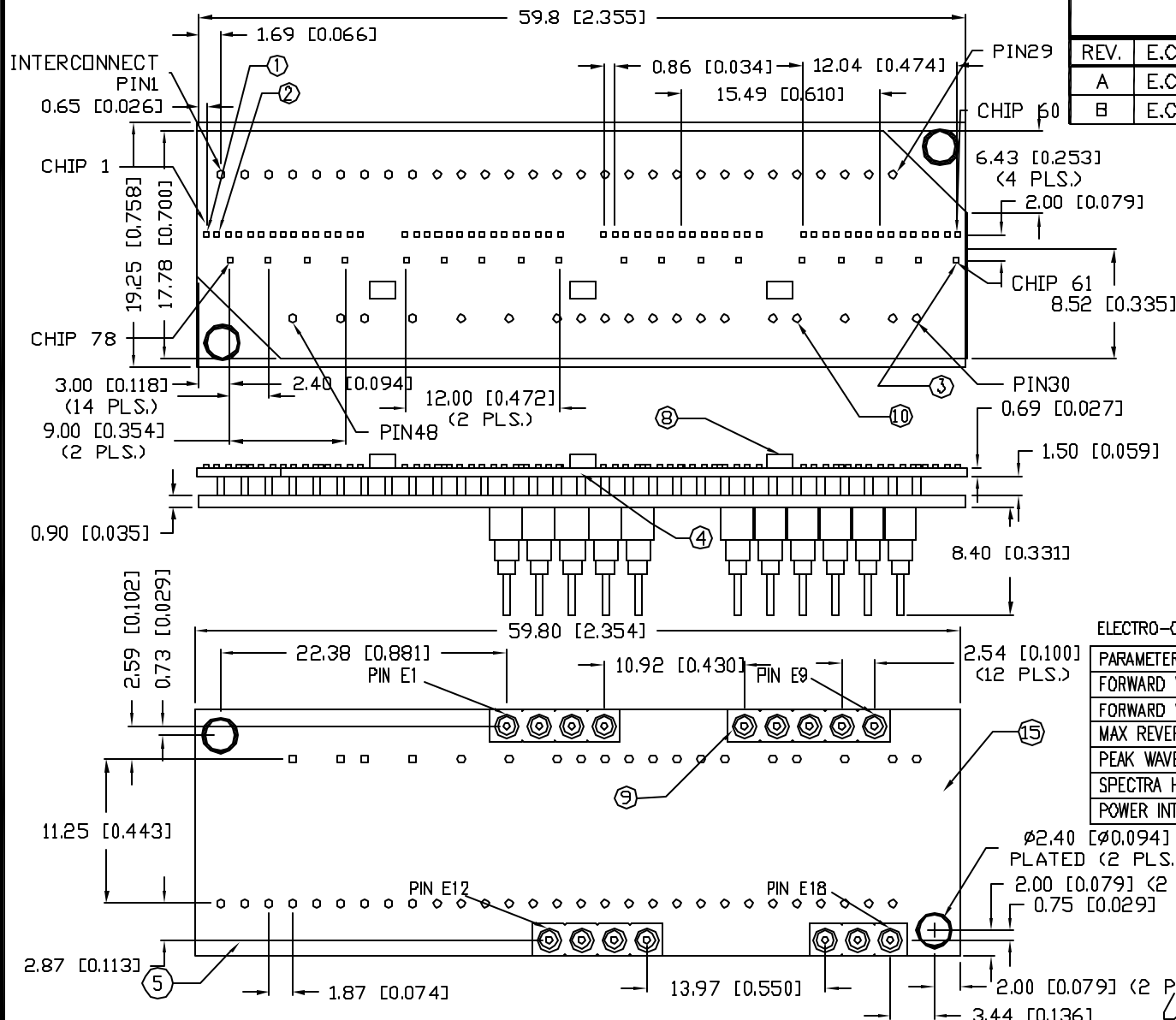


UNCONTROLLED DOCUMENT

PART NUMBER
SSD-LX78-750B

REV.

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:

- SSD-LX01DE1200CGPU (30 PCS.) CHIPS:1,3,5,7...59
- SSD-LX014E870DGPU (30 PCS.) CHIPS:2,4,6,8...60
- SSD-LX010E750DGNU (18 PCS.) CHIPS:61-78
- LXP-PCBCER78
- FR4 RESISTOR BOARD
- LED COATED BY DYMAX 9620.
- TOLERANCE FOR CHIPS $\pm 10\text{nm}$ & $\pm 5\%$ POWER OUTPUT.
- THERMISTOR, $2.5\text{k}\Omega$ @ ROOM TEMP, 0805 PACKAGE (3 PCS.)
- SAMTEC #BBS-116-G-A, SYMBOL: $\square$
- GOLD PLATED INTERCONNECT PINS (48 PCS.), SYMBOL: $\circ$
- 620Ω RESISTOR, 1% 0805 PACKAGE (15 PCS.)
- 7.5Ω HEATER ON BOTTOM OF CERAMIC BOARD.
- $1\mu\text{F}$ CAPACITOR, 0805 PACKAGE (7 PCS.)
- 470Ω RESISTOR, 1% 0805 PACKAGE (24 PCS.)
- RESISTORS & CAPACITOR NOT SHOWN.
- 469826-3, 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	870nm	UNITS
FORWARD VOLTAGE TYP.	V_f	$I_f=20\text{mA}$	1.5	0.8	1.4	V
FORWARD VOLTAGE MAX.	V_f	$I_f=20\text{mA}$	1.9	1.3	1.5	V
MAX REVERSE CURRENT	I_r	$V_r=3\text{V}$	10	10	10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$	750	1200	870	nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$	30	50	50	nm
POWER INTENSITY	I_v	$I_f=20\text{mA}$	3.5	0.6	4.0	mW

*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 -0.00

REV.

B

PART NUMBER

SSD-LX78-750B

CUSTOM IR CERAMIC BOARD,
30:1200nm, 30:750nm, 18:870nm.

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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.



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			SCALE: N/A

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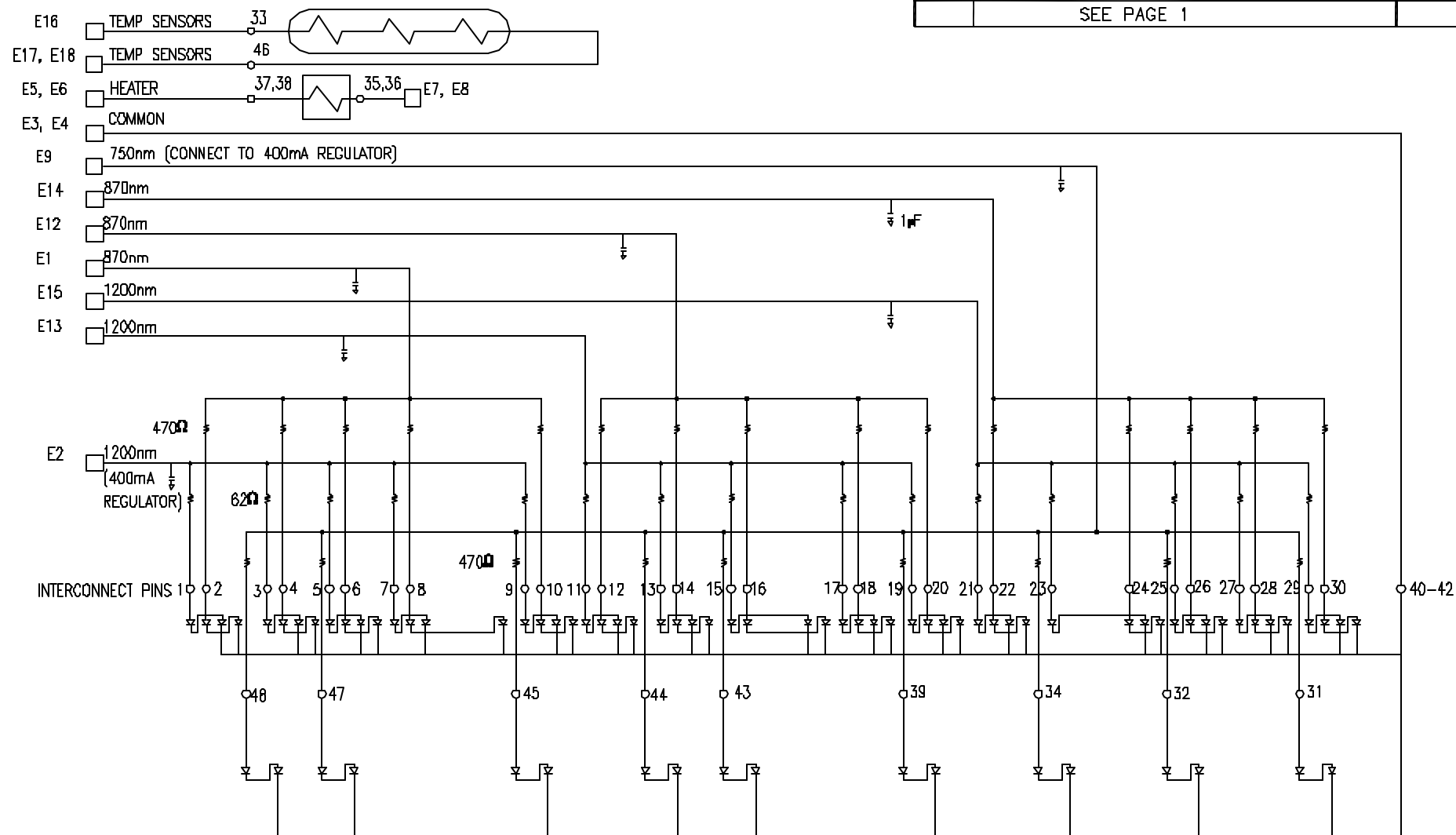
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REV.
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REV.	E.C.N. NUMBER AND REVISION COMMENTS
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DATE _____

SEE PAGE 1



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REV.

PART NUMBER

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SSD-LX78-750B

CUSTOM IR CERAMIC BOARD,

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

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