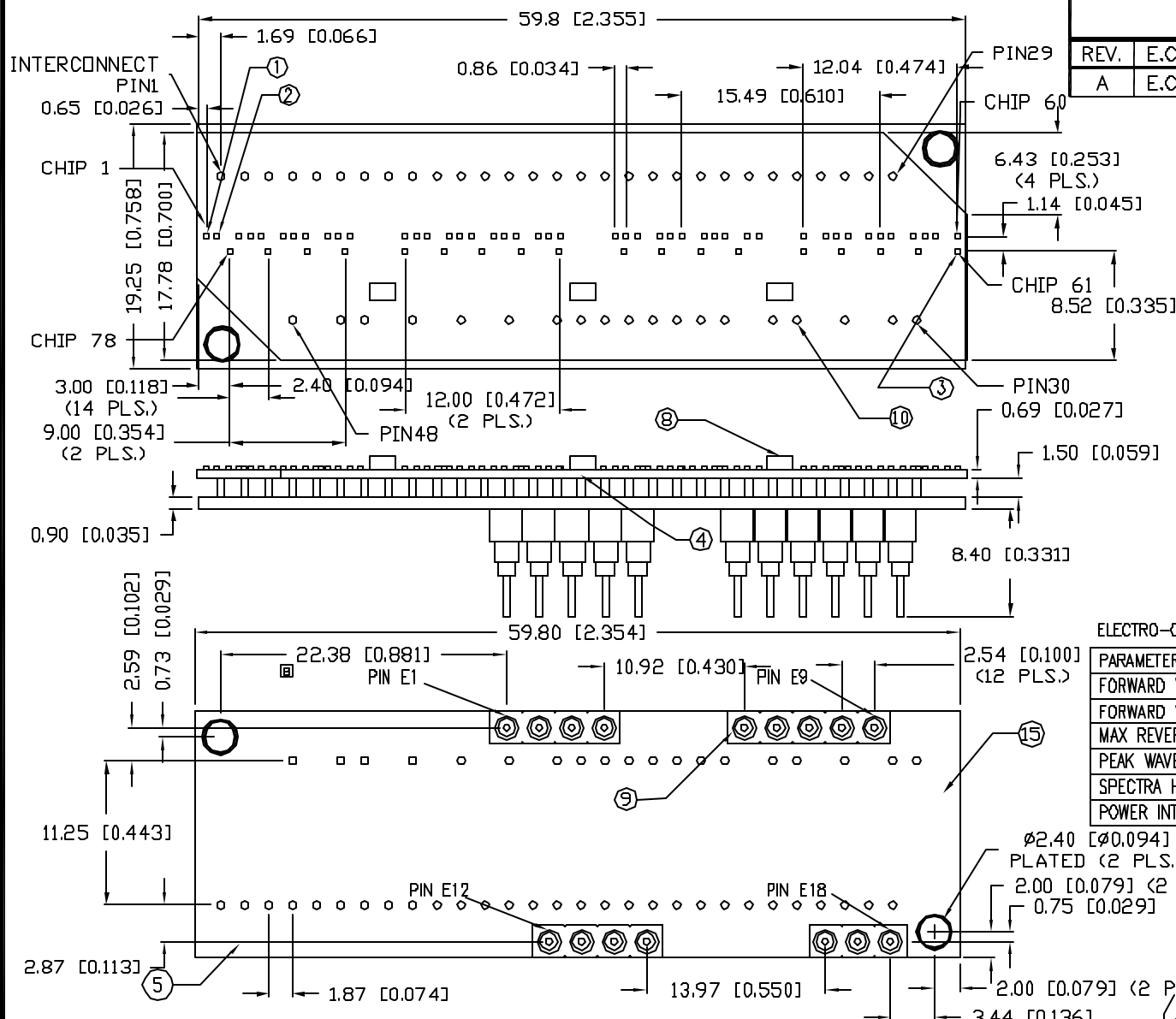


UNCONTROLLED DOCUMENT

PART NUMBER
SSD-LX78-2REV.
A

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

NOTES:

- SSD-LX008E475CGPNU (15 PCS.) CHIPS:1,5,...57
- SSD-LX010E1550CGPU (30 PCS) CHIPS:2,4,6,8,...60
- SSD-LX014E870DGPU (18 PCS) CHIPS:61-78
- LXP-PCBCER78
- FR4 RESISTOR BOARD
- LED COATED BY DYMEX 9620.
- TOLERANCE FOR CHIPS $\pm 10\text{nm}$ & $\pm 5\%$ POWER OUTPUT.
- THERMISTOR, 2.5K Ω @ ROOM TEMP, 0805 PACKAGE (3 PCS.)
- SAMTEC #BBS-116-G-A, SYMBOL:
- GOLD PLATED INTERCONNECT PINS (48 PCS.), SYMBOL:
- 620 RESISTOR, 1% 0805 PACKAGE (50 PCS.)
- 7.5 Ω HEATER ON BOTTOM OF CERAMIC BOARD.
- 1 μF CAPACITOR, 0805 PACKAGE (7 PCS.)
- 470 Ω RESISTOR, 1% 0805 PACKAGE (9 PCS.)
- RESISTORS & CAPACITOR NOT SHOWN.
- 469826-5, MM/YY-LX TO BE MARKED ON PCB, WHERE MM/YY IS MONTH/ YEAR OF MANUFACTURE.

ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	870nm	475nm	1550nm	UNITS
FORWARD VOLTAGE TYP.	V_f	$I_f=20\text{mA}$	1.4	3.2	0.8	V
FORWARD VOLTAGE MAX.	V_f	$I_f=20\text{mA}$	1.5	3.4	1.3	V
MAX REVERSE CURRENT	I_r	$V_r=3\text{V}$	10	10	10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$	870	475	1550	nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$	50	50	50	nm
POWER INTENSITY	I_v	$I_f=20\text{mA}$	4.0	5.0	0.4	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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION.

REV.
APART NUMBER
SSD-LX78-2CUSTOM IR CERAMIC BOARD,
15:475nm, 30:1550nm, 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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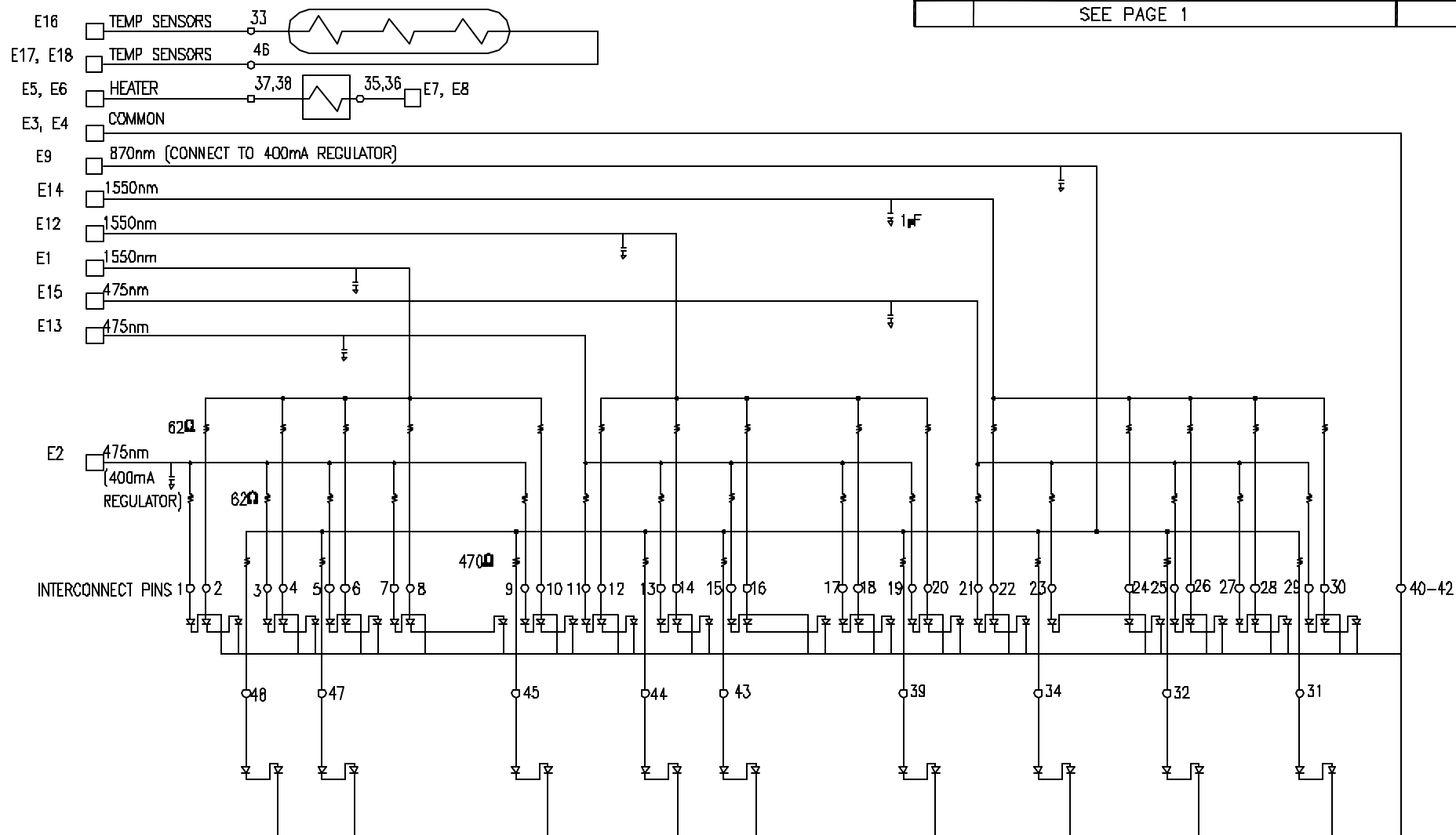
DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 1.24.05
			PAGE: 1 OF 2
			SCALE: N/A

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AREV. E.C.N. NUMBER AND REVISION COMMENTS
SEE PAGE 1

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