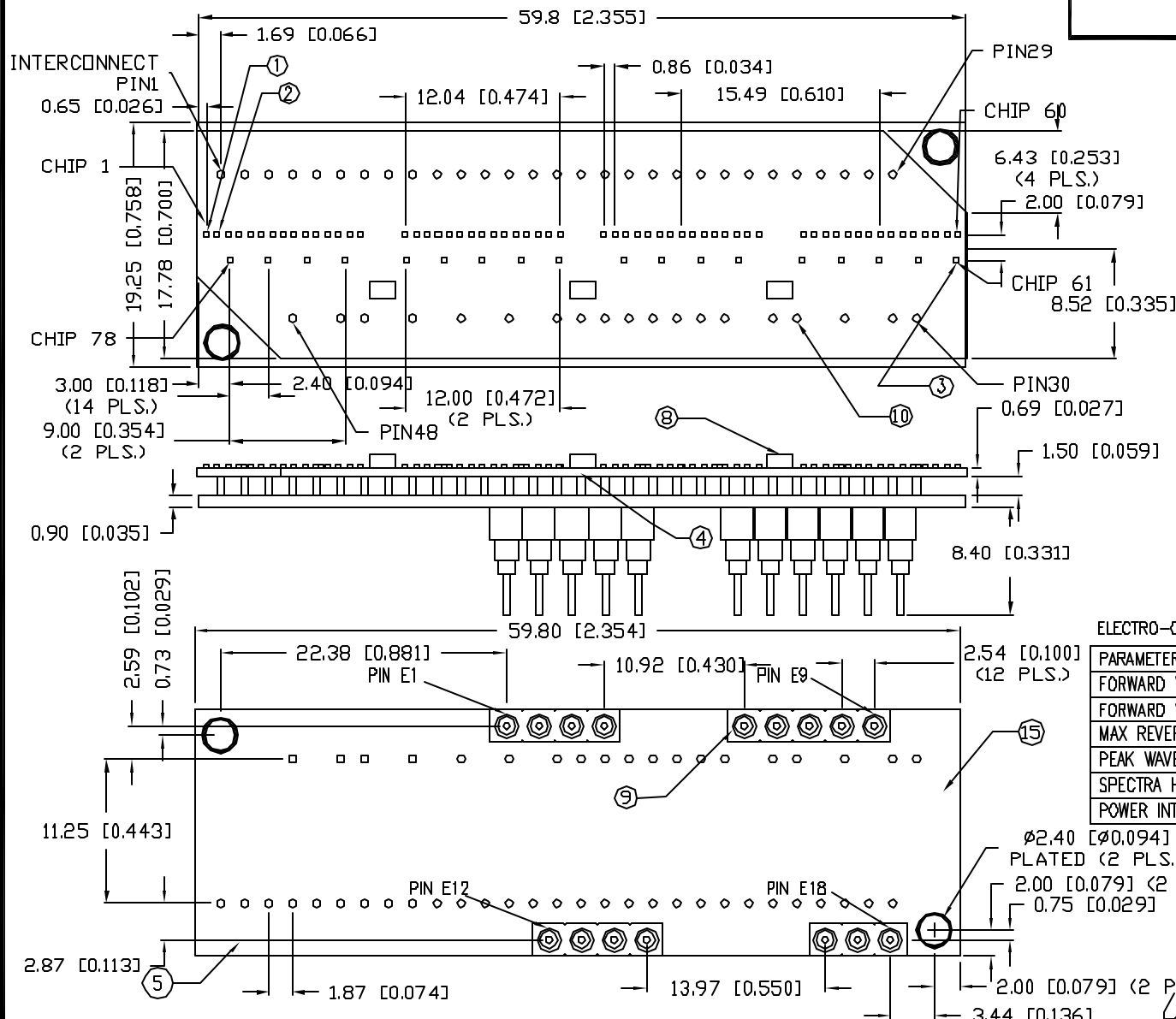


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PART NUMBER

SSD-LX78-8

REV.



NOTES:

1. SSD-LX014E1720GPU (30 PCS.) CHIPS:1,3,5,7....59
2. SSD-LX014E1480GPU (30 PCS) CHIPS:2,4,6,8....60
3. SSD-LX014E870DGPU (18 PCS) CHIPS:61-78
4. LXP-PCBCER78
5. FR4 RESISTOR BOARD
6. LED COATED BY DYMAX 9620
7. TOLERANCE FOR CHIPS $\pm 10\text{nm}$ & $\pm 5\%$ POWER OUTPUT.
8. THERMISTOR, 2.5K Ω @ ROOM TEMP, 0805 PACKAGE (3 PCS.)
9. SAMTEC #BBS-116-G-A, SYMBOL: $\square$
10. GOLD PLATED INTERCONNECT PINS (48 PCS.), SYMBOL: $\circ$
11. 620 Ω RESISTOR, 1% 0805 PACKAGE (30 PCS.)
12. 7.5 Ω HEATER ON BOTTOM OF CERAMIC BOARD.
13. 1 μF CAPACITOR, 0805 PACKAGE (7 PCS.)
14. 470 Ω RESISTOR, 1% 0805 PACKAGE (9 PCS.)
15. RESISTORS & CAPACITOR NOT SHOWN.
16. 469826-8 MM/YY-LX, TO BE MARKED ON CERAMIC, WHERE MM/YY IS MONTH/YEAR THE PRODUCT IS MANUFACTURED.

ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	1480nm	1720nm	870nm	UNITS
FORWARD VOLTAGE TYP.	V_f	$I_f=20\text{mA}$	.75	.75	1.4	V
FORWARD VOLTAGE MAX.	V_f	$I_f=20\text{mA}$	1.2	1.2	1.5	V
MAX REVERSE CURRENT	I_r	$V_r=3\text{V}$	10	10	10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$	1480	1720	870	nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$	130	130	50	nm
POWER INTENSITY	I_v	$I_f=20\text{mA}$	0.7	0.7	4.0	mW

Pb

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PART NUMBER

SSD-LX78-8

CUSTOM IR CERAMIC BOARD,

30:1480nm, 30:1720nm, 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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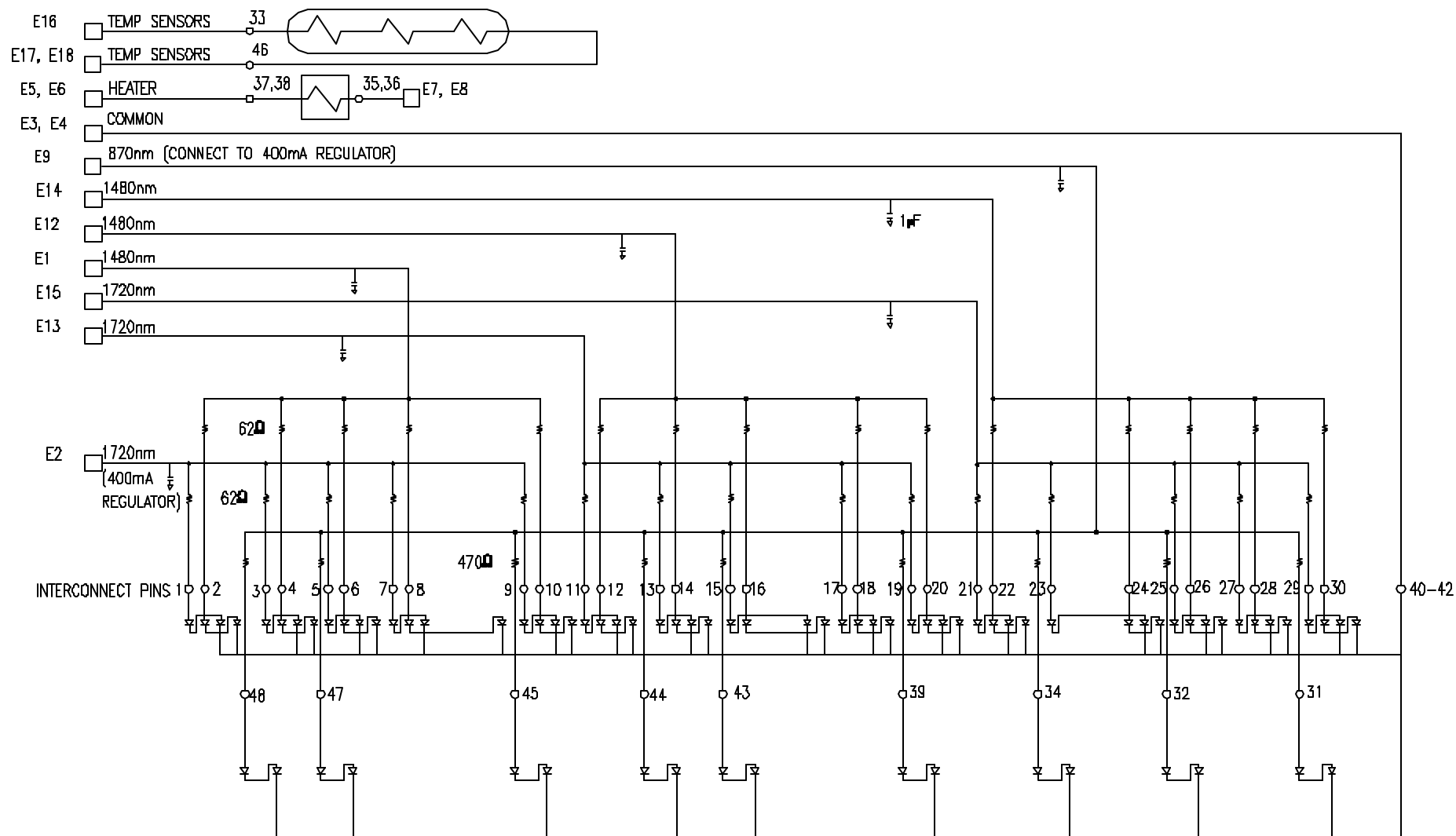
CHECKED BY:

APPROVED BY:

DATE: 4.13.07

PAGE: 1 OF 2

SCALE: N/A



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*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

REV.

PART NUMBER
SSD-LX78-8CUSTOM IR CERAMIC BOARD,
30:1480nm, 18:870nm, 30:1720nm.

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