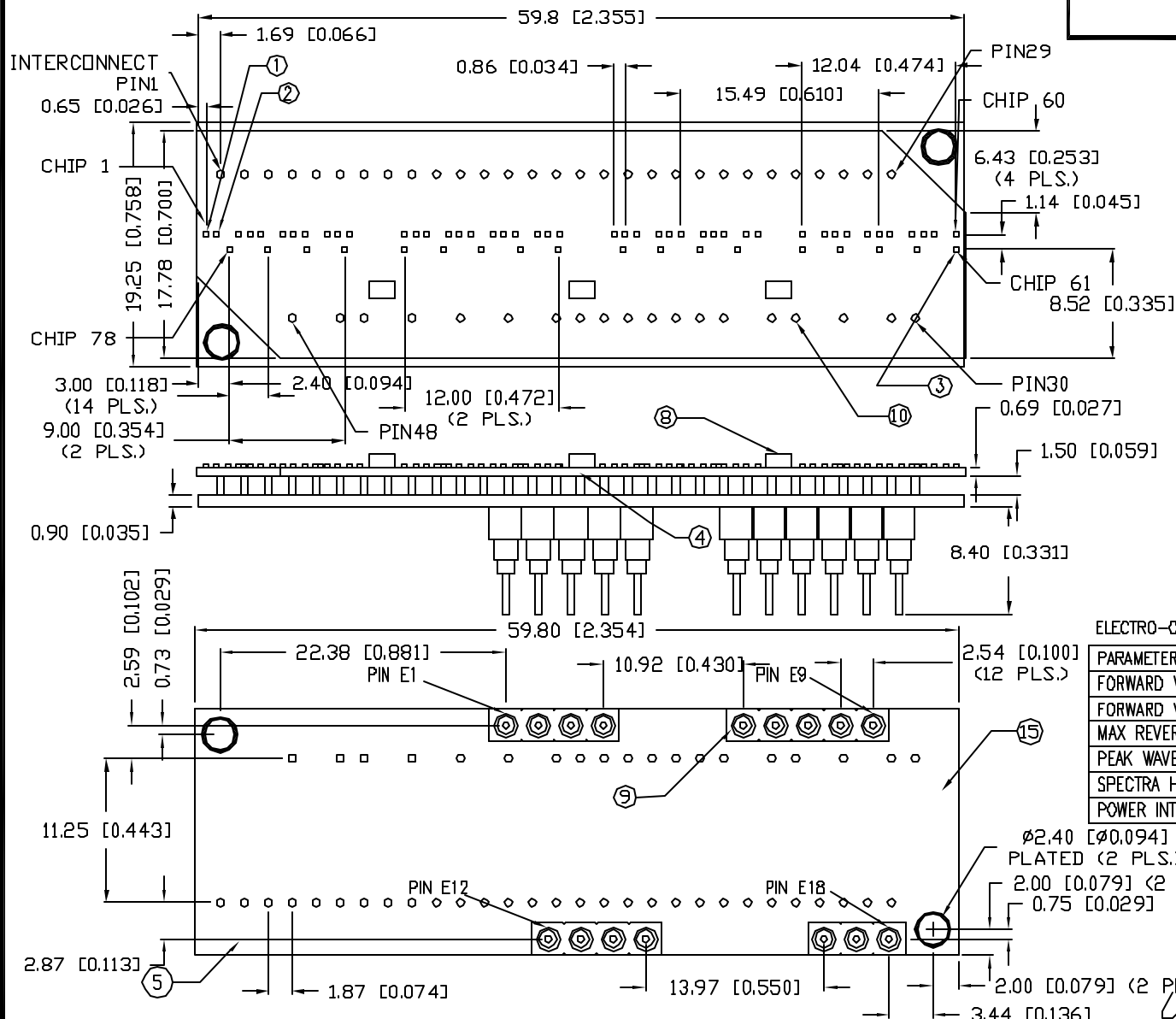




NOTES:

1. SSD-LX012E630FGPU (30 PCS.) CHIPS:1,5,...,57
2. SSD-LX010E1550CGPU (30 PCS.) CHIPS:2,4,6,8,...,60
3. SSD-LX008E475CGPNU (9 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, DB05 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 (39 PCS.)
12. 7.5 Ω HEATER ON BOTTOM OF CERAMIC BOARD.
13. 1 μF CAPACITOR, 0805 PACKAGE (7 PCS.)
14. RESISTORS & CAPACITOR NOT SHOWN.
15. 469826-6, MM/YY TO BE MARKED ON PCB, WHERE MM/YY IS MONTH/YEAR OF MANUFACTURE.

ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	630nm	475nm	1550nm	UNITS
FORWARD VOLTAGE TYP.	V_f	$I_f=20\text{mA}$	2.0	3.2	0.8	V
FORWARD VOLTAGE MAX.	V_f	$I_f=20\text{mA}$	2.5	3.4	1.3	V
MAX REVERSE CURRENT	I_r	$V_r=3\text{V}$	10	10	10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$	630	475	1550	nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$	20	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.
P1PART NUMBER
SSD-LX78-6CUSTOM IR CERAMIC BOARD,
9:475nm, 30:1550nm, 30:630nm.

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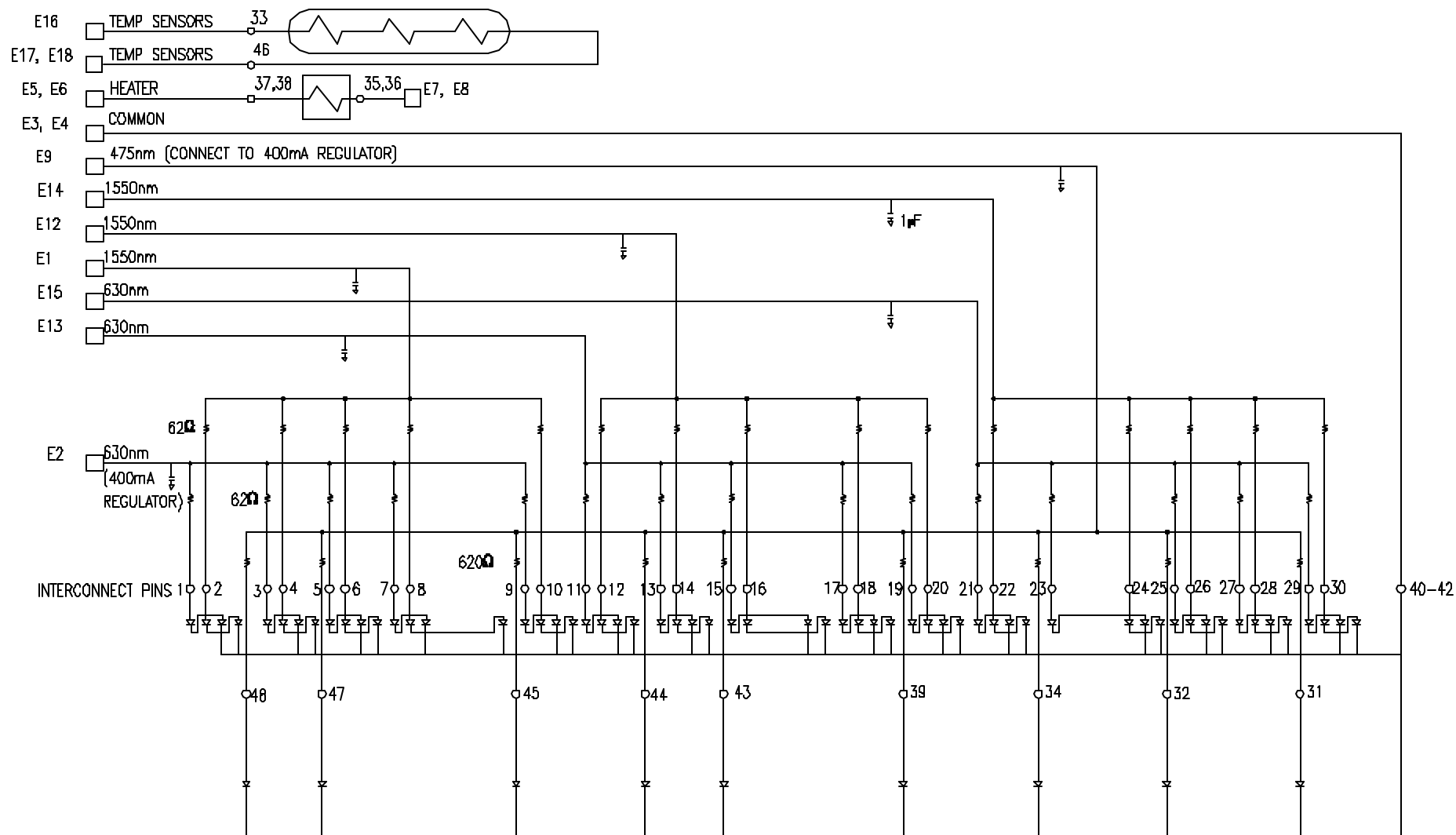
RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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*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.
P1PART NUMBER
SSD-LX78-6CUSTOM IR CERAMIC BOARD,
30:630nm, 30:1550nm, 9:470nm.

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