

UNCONTROLLED DOCUMENT

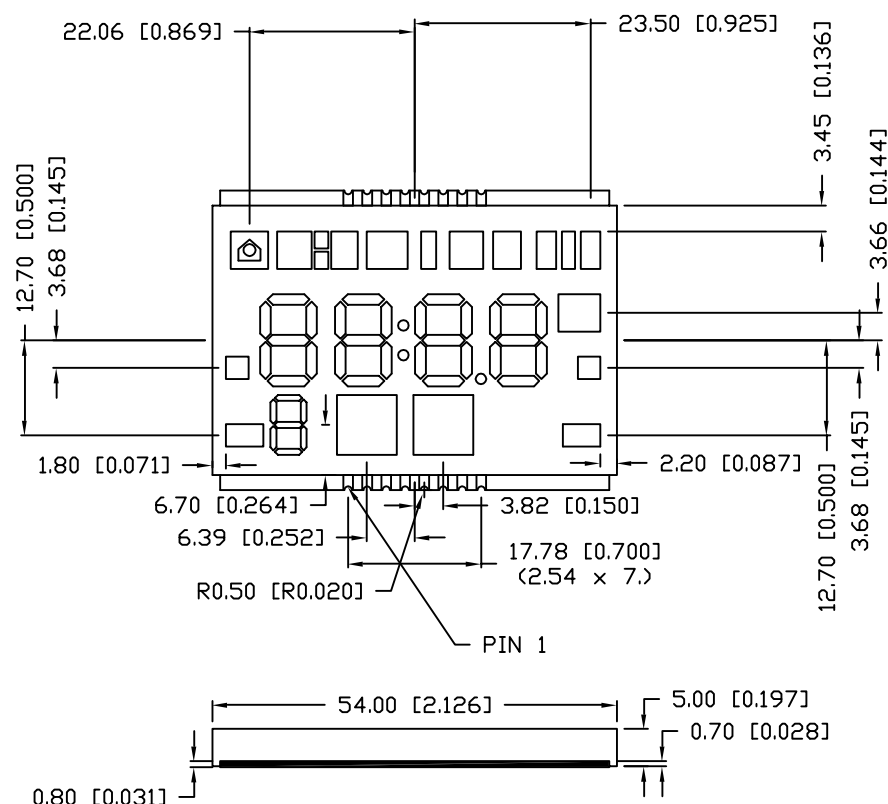
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PART NUMBER

REV.

LDP-SMC4909ND-UW

PRELIMINARY IN P/N DIR



ABSOLUTE MAXIMUM RATING AT TA=25°C		
PARAMETER	VALUE	UNITS
POWER DISSIPATION PER SEGMENT	105	mW
PEAK FOWARD CURRENT PER SEGMENT	80	mA
CONTINUOUS FOWARD CURRENT PER SEGMENT	20	mA
RECOMMENDED OPERATING CURRENT	12	mA
REVERSE VOLTAGE PER SEGMENT	5	V
OPERATING TEMPERATURE RANGE	-25 TO +85	°C
STORAGE TEMPERATURE RANGE	-25 TO +85	°C
JUNCTION TEMPERATURE	>85	°C
LEAD FREE SOLDER TEMPERATURE (1/16 INCH BELOW SEATING PLANE)	320°C FOR 3 SEC.	

ELECTRICAL/OPTICAL CHARACTERISTICS AT TA=25°C						
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNITS	UNITS
LUMINOUS INTENSITY PER SEGMENT	Iv		32907		μcd	If=10mA
FOWARD VOLTAGE PER SEGMENT	Vf		3.5	4.0	V	If=20mA
REVERSE CURRENT PER SEGMENT	Ir			100	μA	Vr=5V
LUMINOUS INTENSITY MATCHING RATE	Iv-m			2.0:1		If=20mA

*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 -DECIMAL PRECISION

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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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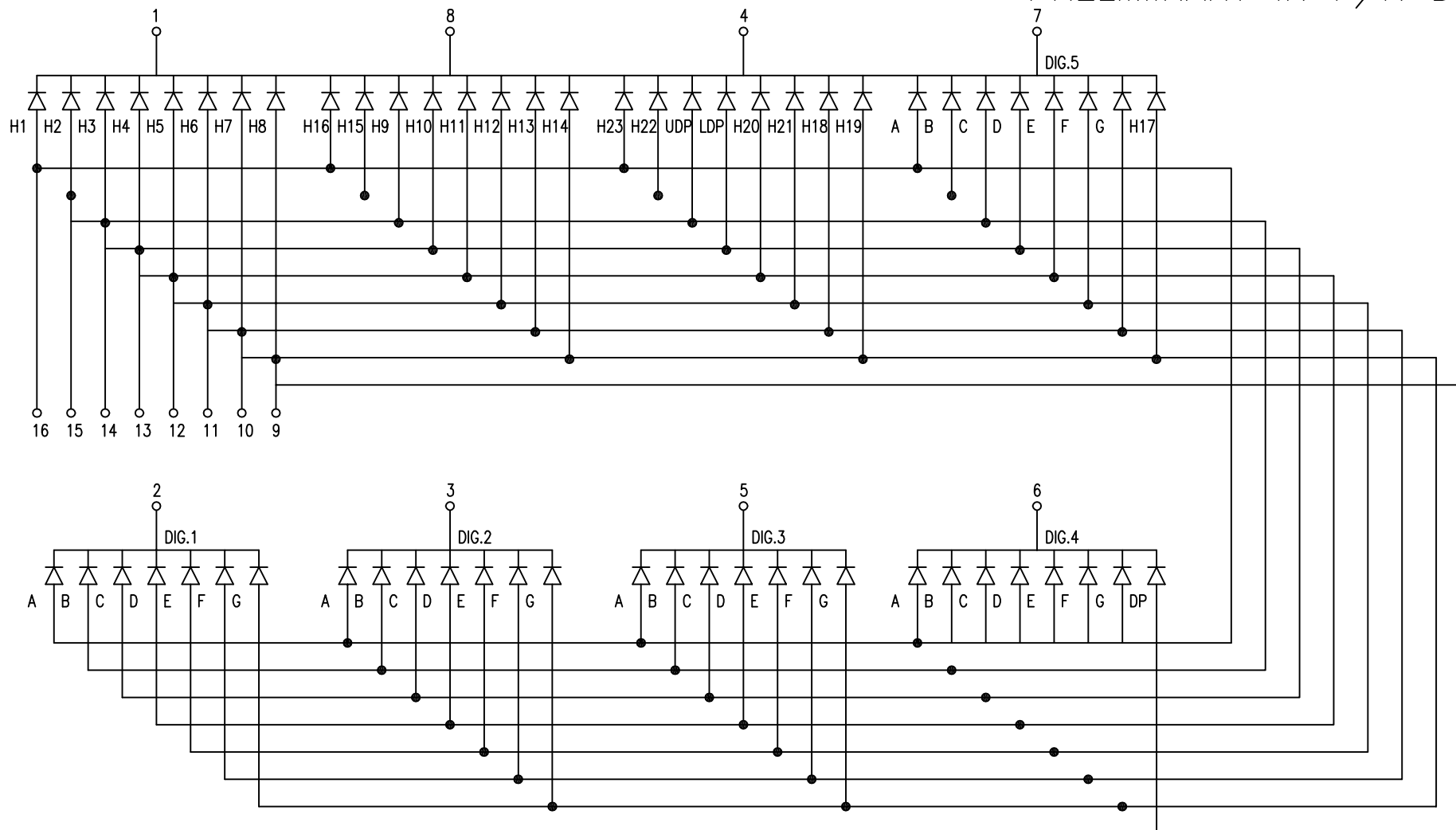
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SCALE: N/A

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