

UNCONTROLLED DOCUMENT

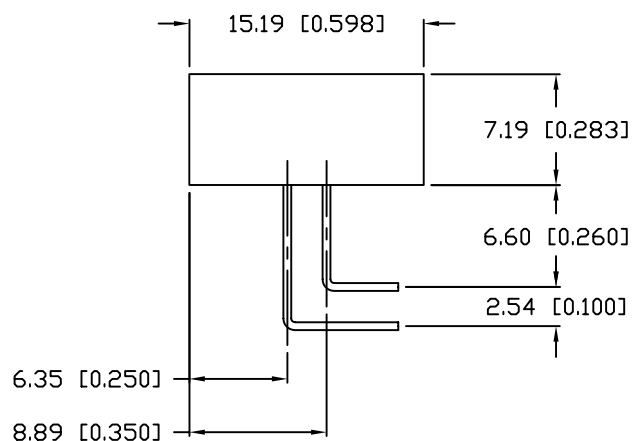
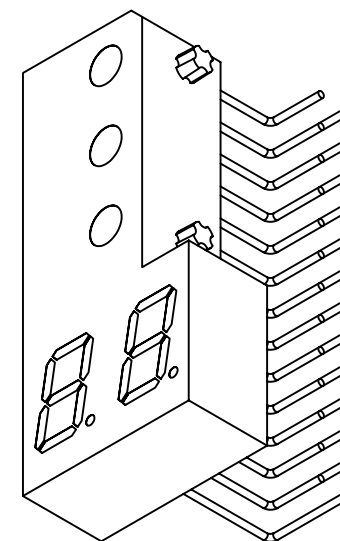
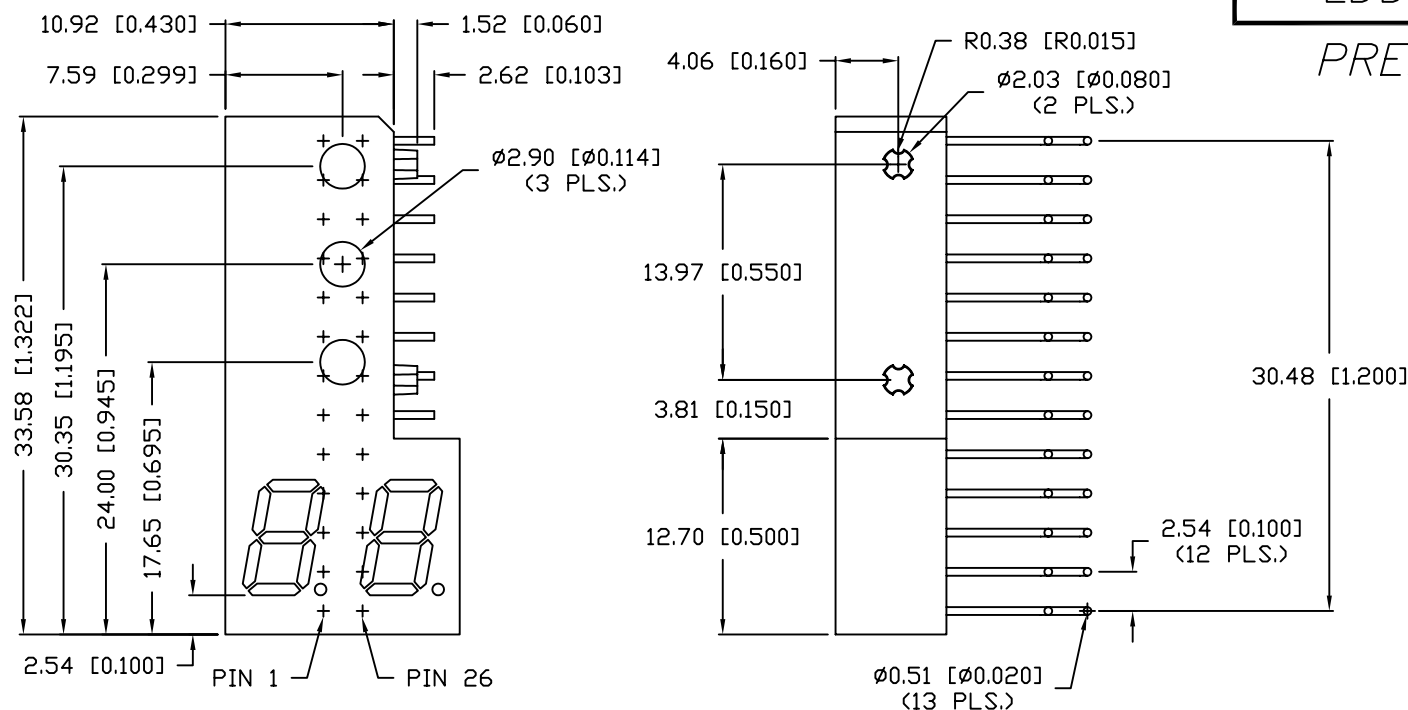
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PART NUMBER

REV.

LDD-E302RIRAQ25125

PRELIMINARY IN P/N DIR



*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 -0.00 DECIMAL PRECISION MAX.=+0.00 -0.00 DECIMAL PRECISION

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LDD-E302RIRAQ25125

CUSTOM DUAL DIGIT LED DISPLAY,
GRAY FACE, WHITE SEGMENTS.

CONFIDENTIAL INFORMATION
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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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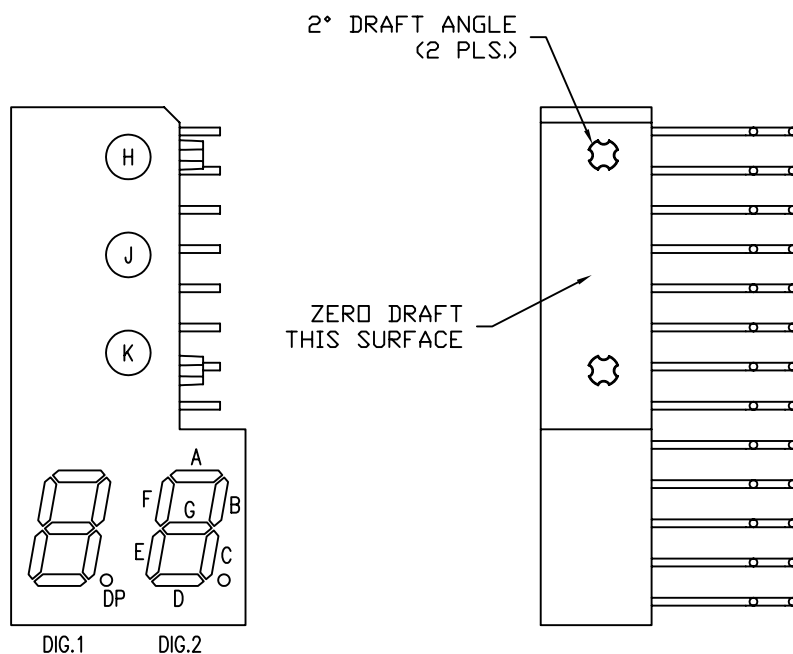
DATE: 7.6.04

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SCALE: N/A

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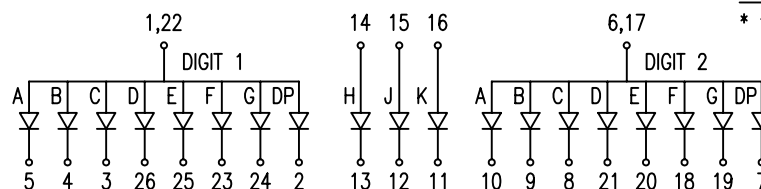
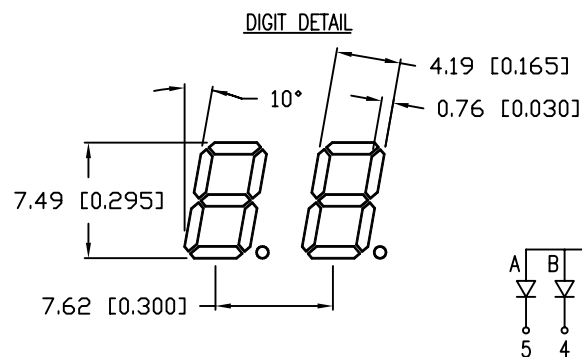
PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	BLUE	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	470	590	565	nm	
FORWARD VOLTAGE (TYP.)	3.5	2.0	2.2	V_f	
FORWARD VOLTAGE (MAX.)	4.0	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	50	100	30/5	mcd	$I_f=20\text{mA}$
LED POSITION:	H	J	K/DIGITS		
EMITTED COLOR:	BLUE/YELLOW/GREEN				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(B/Y/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX	

* $t < 10\mu\text{s}$ 

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