

UNCONTROLLED DOCUMENT

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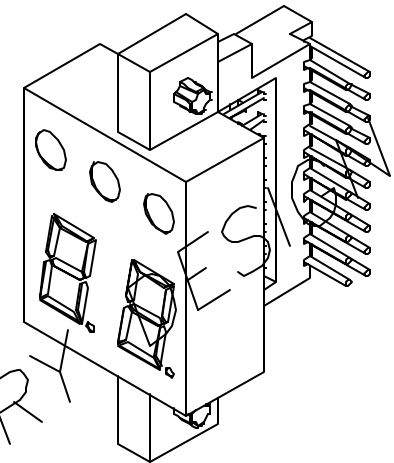
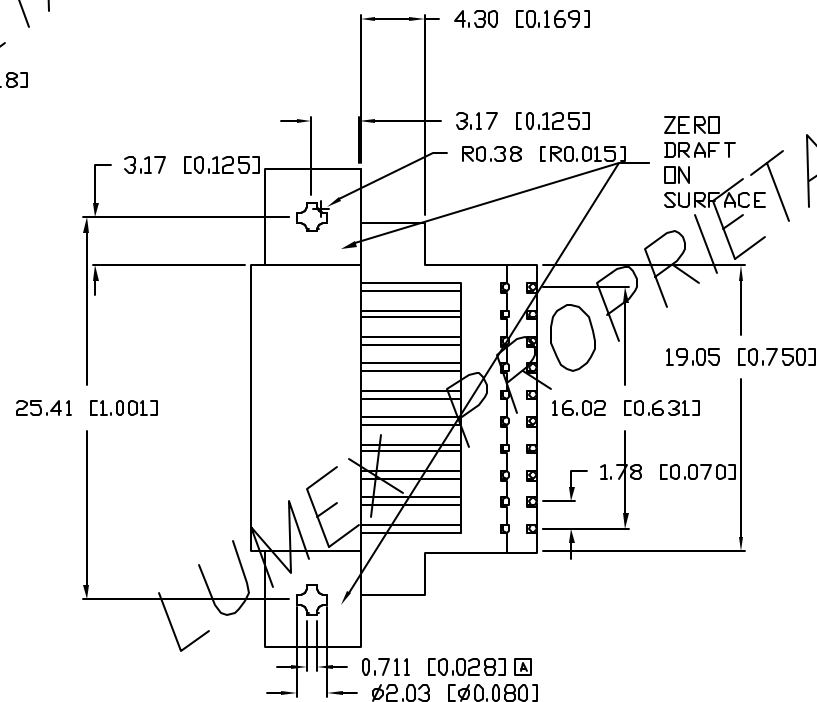
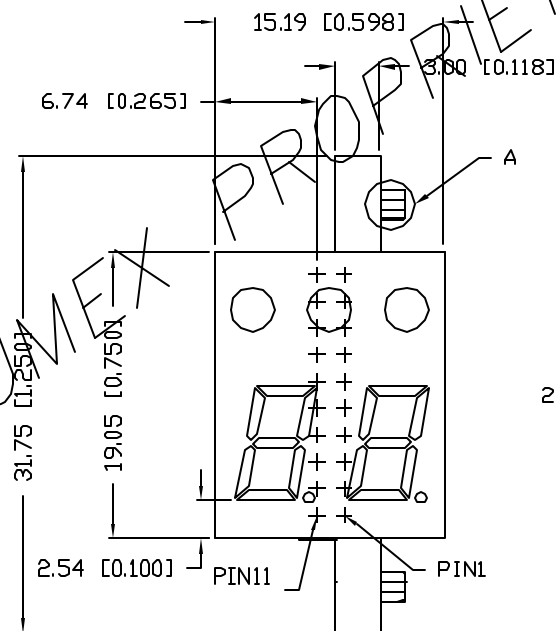
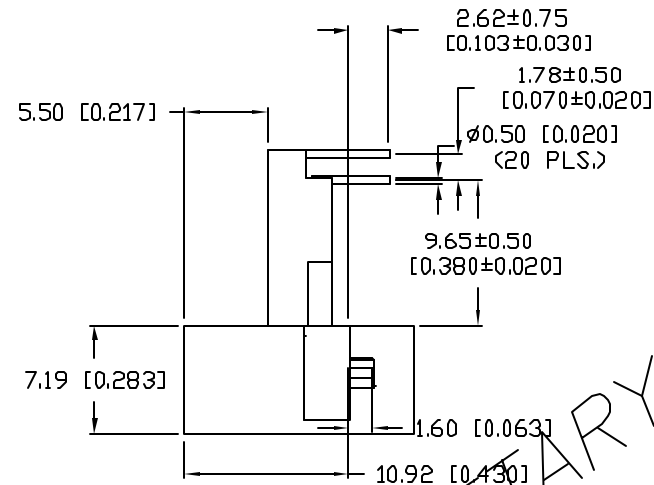
PART NUMBER

REV.

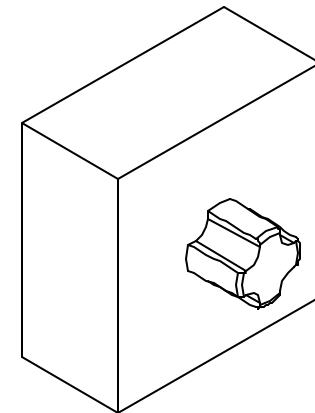
LDD-E302RIRAQ25480

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REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11219.	2.22.05
B	E.C.N. #11235.	4.14.05
C	E.C.N. #11246.	5.17.05



DETAIL VIEW: A-A



*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=

REV.

PART NUMBER

C

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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: 11.17.04

PAGE: 1 OF 1

SCALE: N/A

CUSTOM LED DISPLAY, 2 DIGIT 7 SEGMENT 0.30"
525nm ULTRA PURE GREEN,GRAY FACE, WHITE SEGMENT,
W/ 3 POS. INDICATOR 525/525/590nm GRAY FACE.

JD

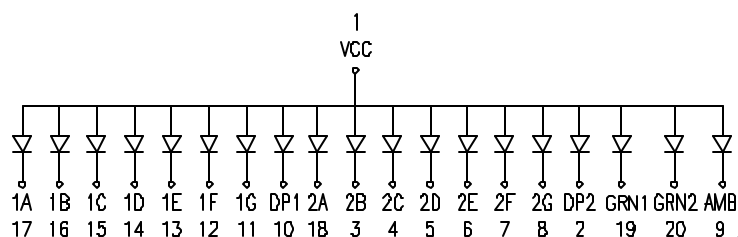
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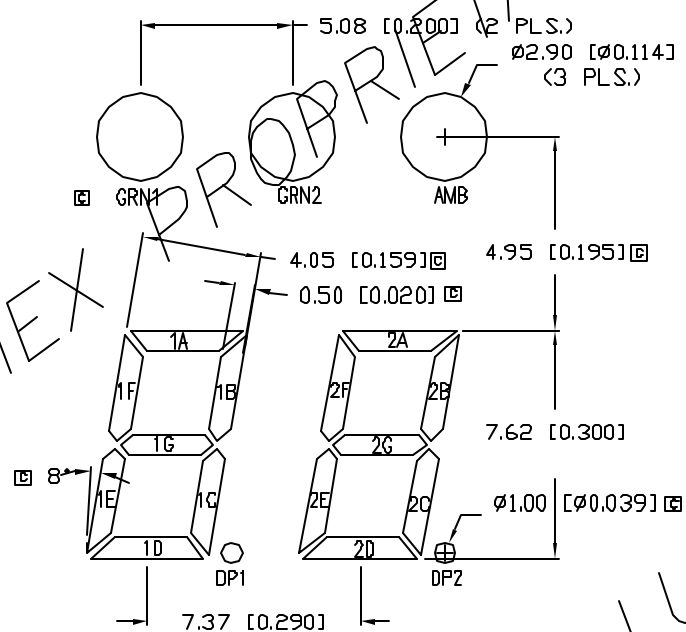
REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

SEE PAGE 1.



DETAIL SEGMENT VIEW

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

PARAMETER	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	525	590	nm	
FORWARD VOLTAGE (TYP.)	3.5	2.0	V_f	
FORWARD VOLTAGE (MAX.)	4.0	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	140	120	mod	$I_f=20\text{mA}$
LED POSITION:	DG.&GRN: 1&2	AMB		
EMITTED COLOR:	GREEN/YELLOW			
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	(G/G/Y)	25/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	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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