

UNCONTROLLED DOCUMENT

SC:0.50

PART NUMBER

REV.

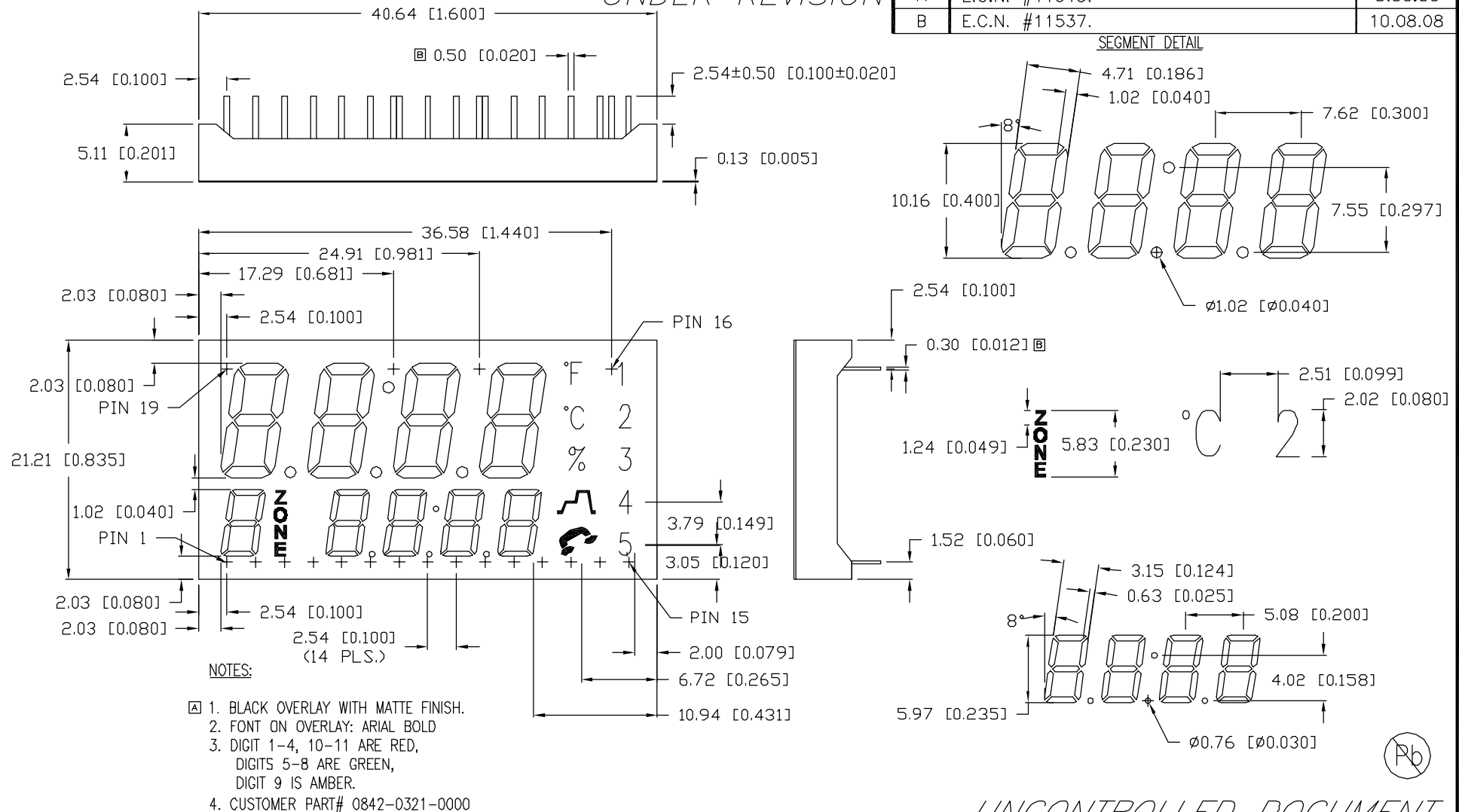
LDQ-2R4025D0248RD

B

UNDER REVISION

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11315.	3.06.06
B	E.C.N. #11537.	10.08.08

SEGMENT DETAIL



UNCONTROLLED DOCUMENT

REV.

PART NUMBER

B

LDQ-2R4025D0248RD

9 DIGIT CUSTOM LED DISPLAY, 635nm RED/ 565nm GREEN/
605nm AMBER, WHITE SEGMENTS WITH BLACK FACE OVERLAY.

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: 1.16.05

PAGE: 1 OF 1

SCALE: N/A

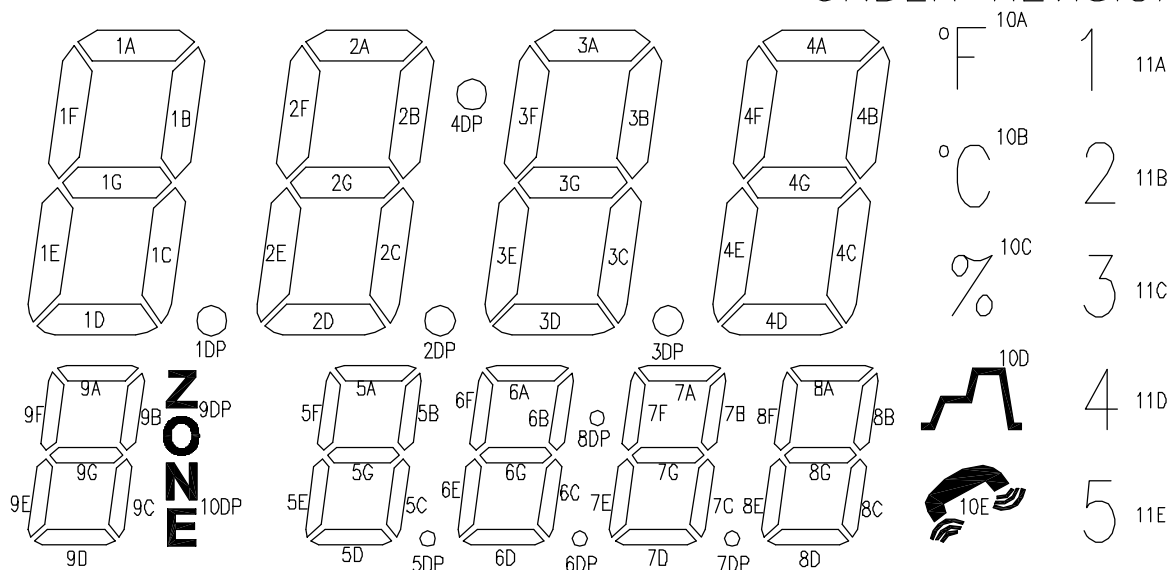
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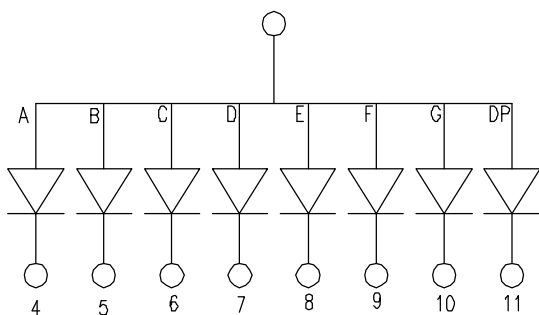
SEE PAGE ONE.

UNDER REVISION



DIGIT: 1 2 3 4 5 6 7 8 9 10 11
PIN: 1 3 12 15 18 19 13 14 2 16 17

COMMON ANODE



*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 -0.00 -DECIMAL PRECISION

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =10mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
		605 (AMBER)		nm	
FORWARD VOLTAGE(R/G/A)	2.0/2.2/2.0	2.5/2.6/2.5		V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY (R/G/A)	3500/2200/3500			μcd	I _f =10mA
EMITTED COLOR:	RED/GREEN/AMBER				
FACE COLOR:	BLACK				
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	(R/G/A)	30/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

* t<10μS

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Mouser Electronics

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