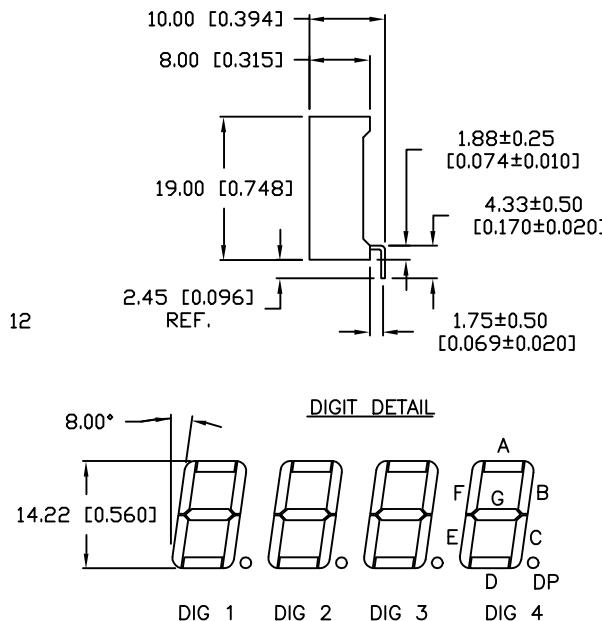
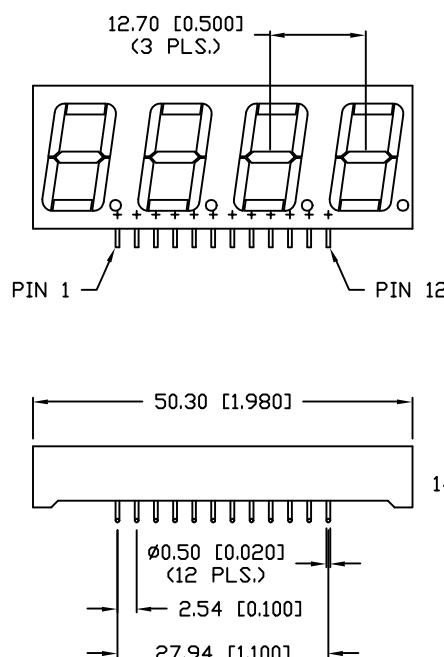
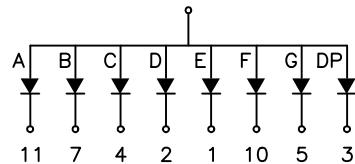


DATE  
4-22-98REVISIONS  
E.C.N. #10BRDR. & REDRAWN./REV  
ADRAWING NUMBER  
LDQ-M514RI-RAREV  
ACOMMON ANODE

DIG 1: PIN NO. 12  
 DIG 2: PIN NO. 9  
 DIG 3: PIN NO. 8  
 DIG 4: PIN NO. 6

UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm .25\text{mm}$  ( $\pm 0.010"$ )ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 10\text{mA}$ 

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		3900		$\mu\text{cd}$	$I_f = 10\text{mA}$
EMITTED COLOR:	RED				
FONT COLOR:	GREY				
SEGMENT COLOR:	MILKY WHITE	DIFFUSED			

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-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

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

## 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.

A



290 E. HELLEN ROAD  
 PALATINE, ILLINOIS 60067  
 (847) 359-2790

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DATE: 11-13-95	DWN:	CHK'D:	APPD:
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SCALE: N/A		
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0.56" QUAD DIGIT, SEVEN SEGMENT DISPLAY, 635nm RED, RIGHT ANGLE,  
 GREY FONT/WHITE SEGMENTS, MULTIPLEXED, COMMON ANODE.

DU

PAGE 1 OF 1

DRAWING NUMBER  
LDQ-M514RI-RA

REV  
A

# Mouser Electronics

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