

UNCONTROLLED DOCUMENT



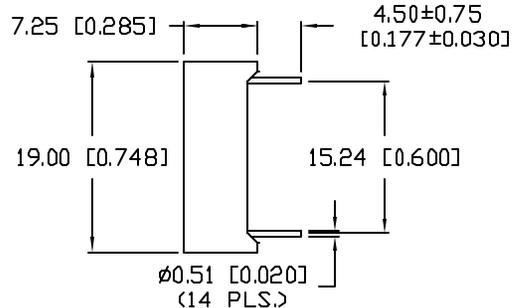
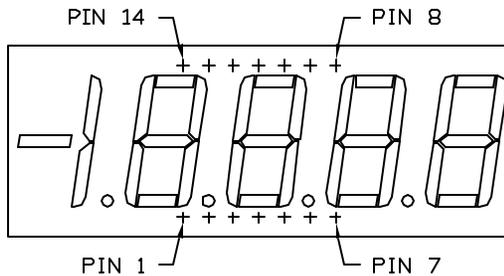
PART NUMBER

LDQ-M5207RI-USB

REV.

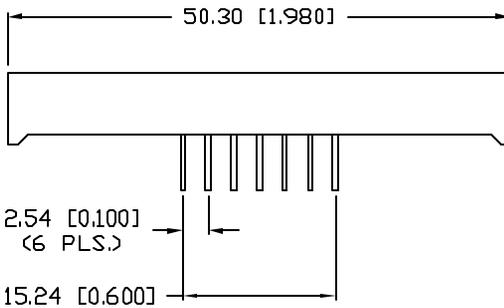
REV. | E.C.N. NUMBER AND REVISION COMMENTS

DATE

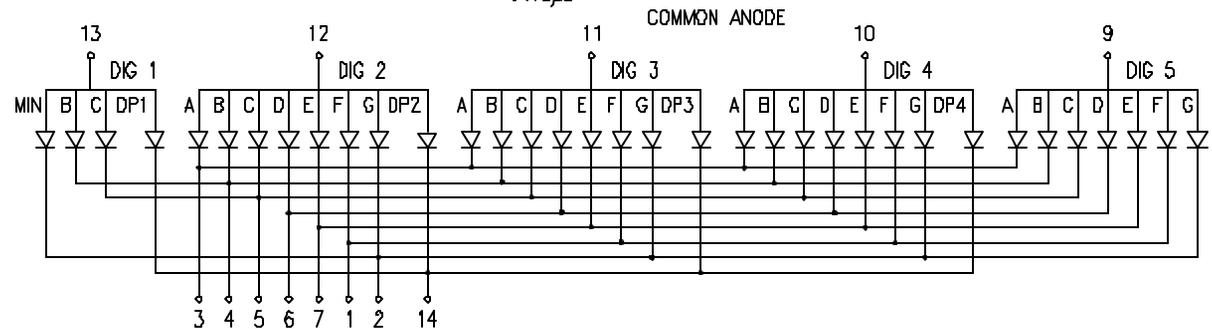
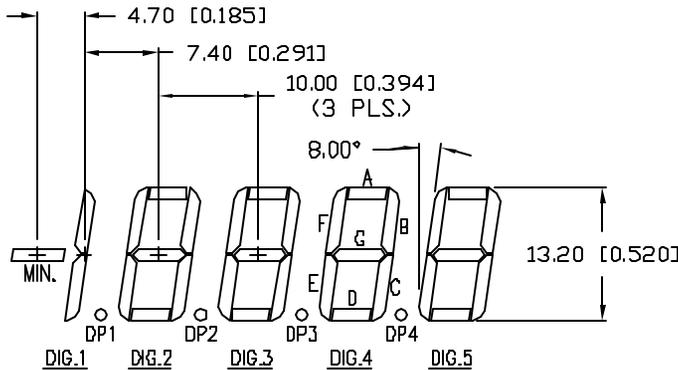


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		6000		$\mu\text{cd}$	$I_f=10\text{mA}$
EMITTED COLOR:	BLUE				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				



CHARACTER DETAIL



LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	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

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

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010''$ )

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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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PALATINE, ILLINOIS 60067  
PHONE: 1-847-359-2790  
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0.52" QUAD DIGIT, SEVEN SEGMENT DISPLAY, COMMON ANODE, 470nm ULTRA SUPER BLUE CHIPS, GRAY FACE WITH WHITE SEGMENTS.

DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 1.28.05

JD

PAGE: 1 OF 1

SCALE: N/A

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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