Property of Lite-On Only

FEATURES

- * 0.52 inch (13.2 mm) DIGIT HEIGHT
- * CONTINUOUS UNIFORM SEGMENTS
- *LOW POWER REQUIREMENT
- * EXCELLENT CHARACTERS APPEARANCE
- * HIGH BRIGHTNESS & HIGH CONTRAST
- * WIDE VIEWING ANGLE
- * SOLID STATE RELIABILITY
- * CATEGORIZED FOR LUMINOUS INTENSITY

DESCRIPTION

The LTC-5673WC-03 is a 0.52 inch (13.2 mm) digit height quad digit seven-segment display. This device uses AlGaAs RED LED chips (AlGaAs epi on GaAs substrate). The display has black face and red segments. The AlGaAs red seven segment displays are designed for applications requiring low power consumption. They are tested and selected for the excellent low current characteristics to ensure that the segments are matched at low current. Drive current as low as 1 mA per segment is available.

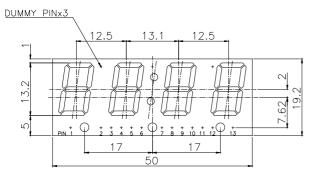
DEVICE

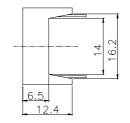
PART NO.	DESCRIPTION
AlGaAs Red	Multiplex Common Anode
LTC-5673WC-03	

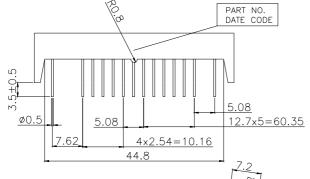
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ONLY)

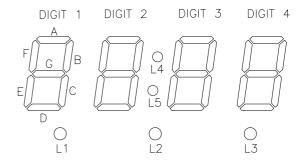
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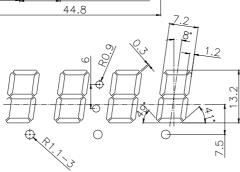
PACKAGE DIMENSIONS

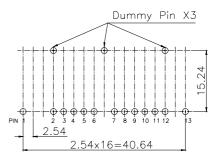












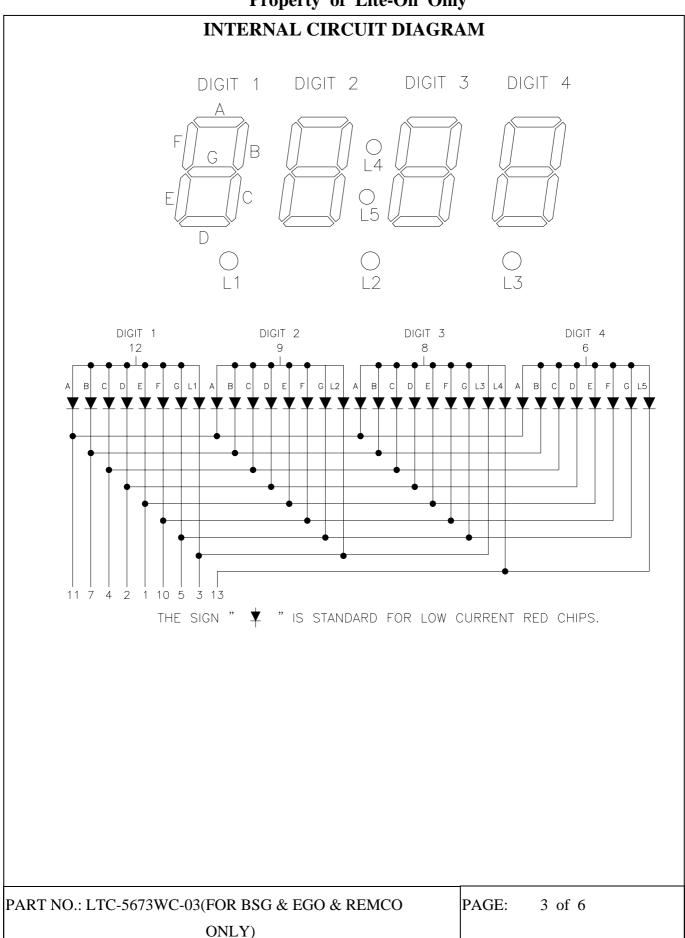
NOTES: All dimensions are in millimeters. Tolerances are± 0.25 mm (0.01") unless otherwise noted.

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PIN CONNECTION

No	CONNECTION
1	CATHODE E (DIGIT 1 ~ 4)
2	CATHODE D (DIGIT 1 ~ 4)
3	CATHODE L1, L2, L3
4	CATHODE C (DIGIT 1 ~ 4)
5	CATHODE G (DIGIT 1 ~ 4)
6	COMMON ANODE DIGIT 4 , L5
7	CATHODE B (DIGIT 1 ~ 4)
8	COMMON ANODE DIGIT 3 , L3 ,L4
9	COMMON ANODE DIGIT 2 , L2
10	CATHODE F (DIGIT 1 ~ 4)
11	CATHODE A (DIGIT 1 ~ 4)
12	COMMON ANODE DIGIT 1 , L1
13	CATHODE L4, L5

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Property of Lite-On Only

ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING	UNIT		
Power Dissipation Per Segment	75	mW		
Peak Forward Current Per Segment (Frequency 1Khz, 25% duty cycle)	125*	mA		
Continuous Forward Current Per Segment	30	mA		
Forward Current Derating from 25°C	0.4	mA/		
Reverse Voltage Per Segment	8	V		
Operating Temperature Range	-35 to +85			
Storage Temperature Range	-35 to +85			
Soldering Conditions: 1/16 inch below seating plane for 3 seconds at 260°C				

Soldering Conditions : 1/16 inch below seating plane for 3 seconds at 260° C

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity Per	T		650		μcd	I _F =1mA
Segment	Iv		3400		μcd	I _F =5mA
Peak Emission Wavelength	λр		660		nm	I _F =20mA
Spectral Line Half-Width	Δλ		35		nm	I _F =20mA
Dominant Wavelength	λd		638		nm	I _F =20mA
Forward Voltage Per Segment	V_{F}		1.6		V	I _F =1mA
			1.7	2.4		I _F =5mA
			1.8			I _F =20mA
Reverse Current Per Segment	IR			2	μΑ	V _R =8V
Luminous Intensity Matching Ratio	Iv-m			2:1		I _F =10mA

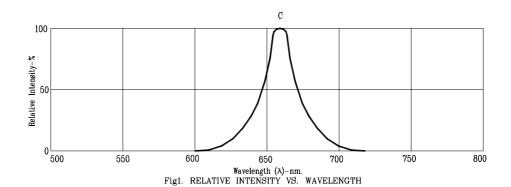
Note: Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

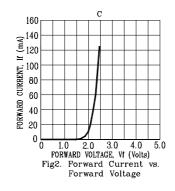
 $(V_R = 8V, I_R = 2uA \text{ is based on basic load})$

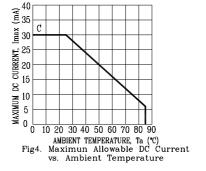
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ONLY)			

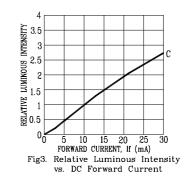
TYPICAL ELECTRICAL / OPTICAL CHARACTERISTIC CURVES

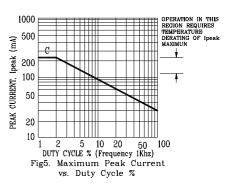
(25°C Ambient Temperature Unless Otherwise Noted)











NOTE: C=AlGaAs RED

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