

WCN4-1040G6-AH1

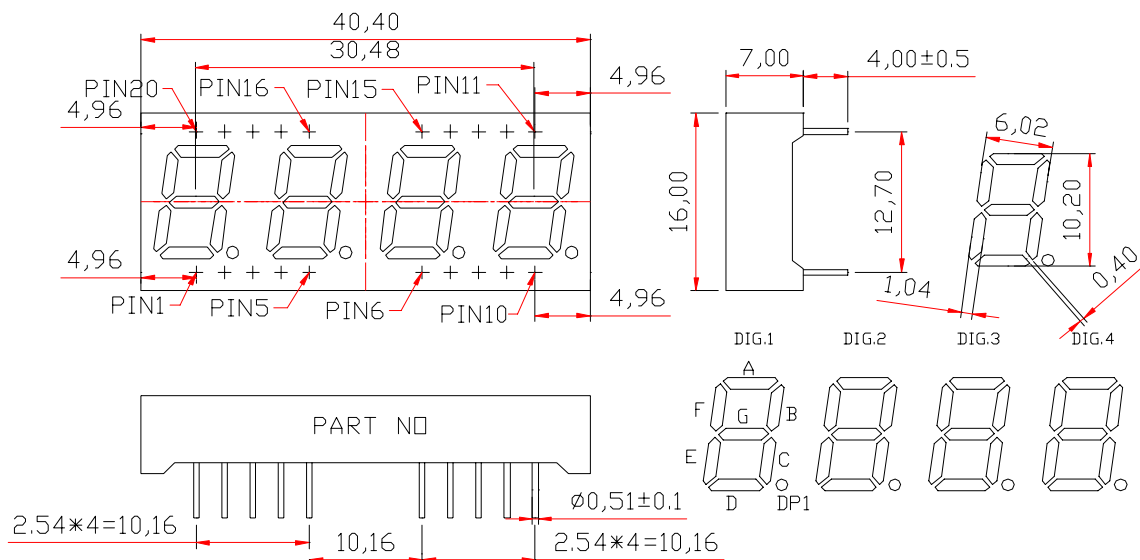
SPECIFICATION

WCN			CUSTOMER
Prepared by	Checked by	Approved by	Confirmed
LIU 2015-9-1	Athena		

**REVISION: A0**

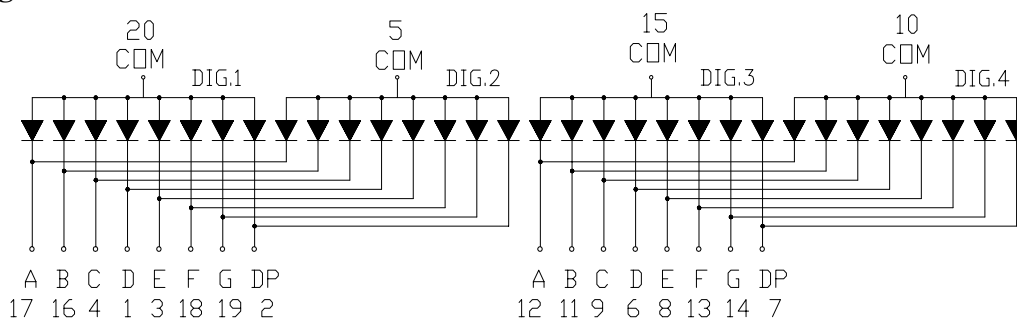
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Outer Dimension:



Notes: Unless otherwise stated, The tolerance is $\pm 0.25\text{mm}$.

Circuit Diagram:



Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode 1D,2D	11	Cathode 3B,4B
2	Cathode DP1, DP2	12	Cathode 3A,4A
3	Cathode 1E,2E	13	Cathode 3F,4F
4	Cathode 1C,2C	14	Cathode 3G,4G
5	Common Anode DIG.2	15	Common Anode DIG.3
6	Cathode 3D,4D	16	Cathode 1B,2B
7	Cathode DP3, DP4	17	Cathode 1A,2A
8	Cathode 3E,4E	18	Cathode 1F,2F
9	Cathode 3C,4C	19	Cathode 1G,2G
10	Common Anode DIG.4	20	Common Anode DIG.1

■ Features:

- High Reliability
- Color: Yellow Green
- Low Power Requirement
- Easy Assembly

■ Description:

- Four Digit LED Display
- Digit Height:10.2mm(0.4")
- Gray Face and Milky Segment

■ Absolute Maximum Rating (Ta=25℃):

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Per Segment	P _d	—	Yellow Green	65	mW
Forward Current Per Segment	I _F	—	Yellow Green	25	mA
Peak Forward Current Per Segment	I _{FP}	1/10 Duty 10KHz	Yellow Green	100	mA
Reverse Voltage Per Segment	V _R	—	Yellow Green	5	V
Operating Temperature Range	Topr	—	—	-35~+85	℃
Storage Temperature Range	Tstg	—	—	-35~+85	℃

■ Electrical/Optical Characteristics Rating (Ta=25℃)

Item	Symbol	Test conditions	Color	Rating			Units
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Yellow Green	—	2.25	2.60	V
Reverse Current	I _R	V _R =5V	Yellow Green	—	—	100	μA
Luminous Intensity	I _v	I _F =10mA	Yellow Green	3051	5500	—	μcd
Wave Length	λ _P	I _F =20mA	Yellow Green	—	568	—	nm
	λ _D			—	573	—	
Spectral Line Half Width	△λ	I _F =20mA	Yellow Green	—	20	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =10mA				2:1	

■ Luminous Intensity Sorting:(Luminous Intensity Tolerance is +/-10%)

Rank	Symbol	Condition	Min	Max	Unit
K	K	I _F =10mA	3051	4000	μcd
L	L	I _F =10mA	4001	5000	μcd
M	M	I _F =10mA	5001	6100	μcd
N	N	I _F =10mA	6101	7200	μcd

■ Hue Grade:(I_F=10mA ,Hue Tolerance:±1nm)

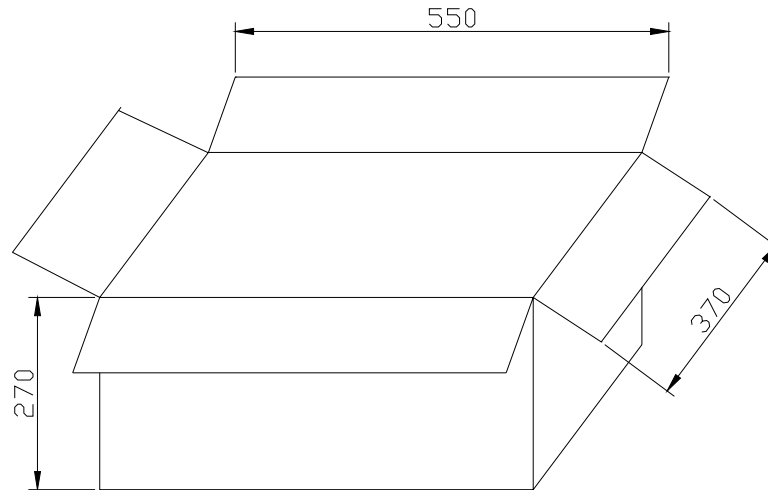
Rank	Symbol	Hue Range	Units
3	3	569.1~571	nm
4	4	571.1~573	nm

■ Soldering Conditions: Soldering Temp. ≤ +260℃, Soldering Time. ≤3sec. (at 2mm Distance from The Case of Reflector Edge)



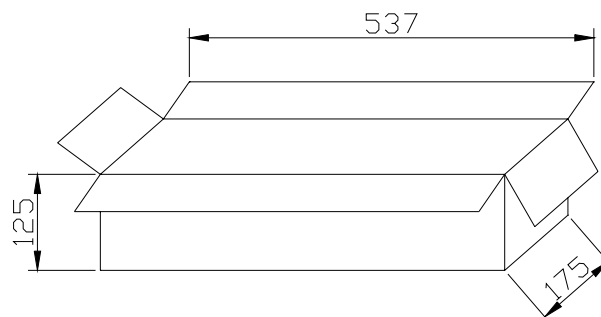
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■ Outer Carton Dimension:



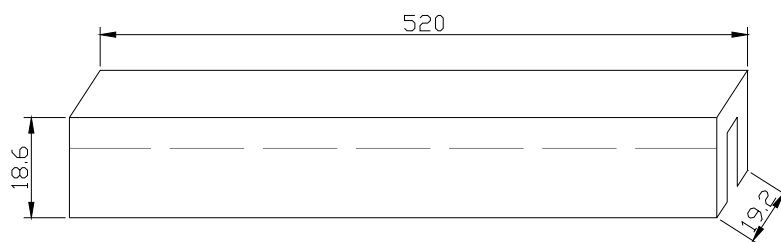
- Note:**
1. An Outer carton contained 4 Inner cartons and 2304 PCS products.
 2. Unless otherwise stated, the tolerance is $+5\text{mm} / -0\text{mm}$.
 3. The carton material is A=A Brown Paper.

■ Inner Carton Dimension:



- Note:**
1. An Inner carton contained 48 PCS IC Tube and 576 PCS products.
 2. Unless otherwise stated, the tolerance is $\pm 2 \text{ mm}$.
 3. The carton outside and inside paper material are A rank Paper.

■ IC Tube Dimension:



- Note:**
1. One IC Tube contained 12 PCS products.
 2. Unless otherwise stated, the tolerance is $\pm 0.5 \text{ mm}$.
 3. The IC Tube material is Water clear PVC.