

WCN4-0040G6-AF1

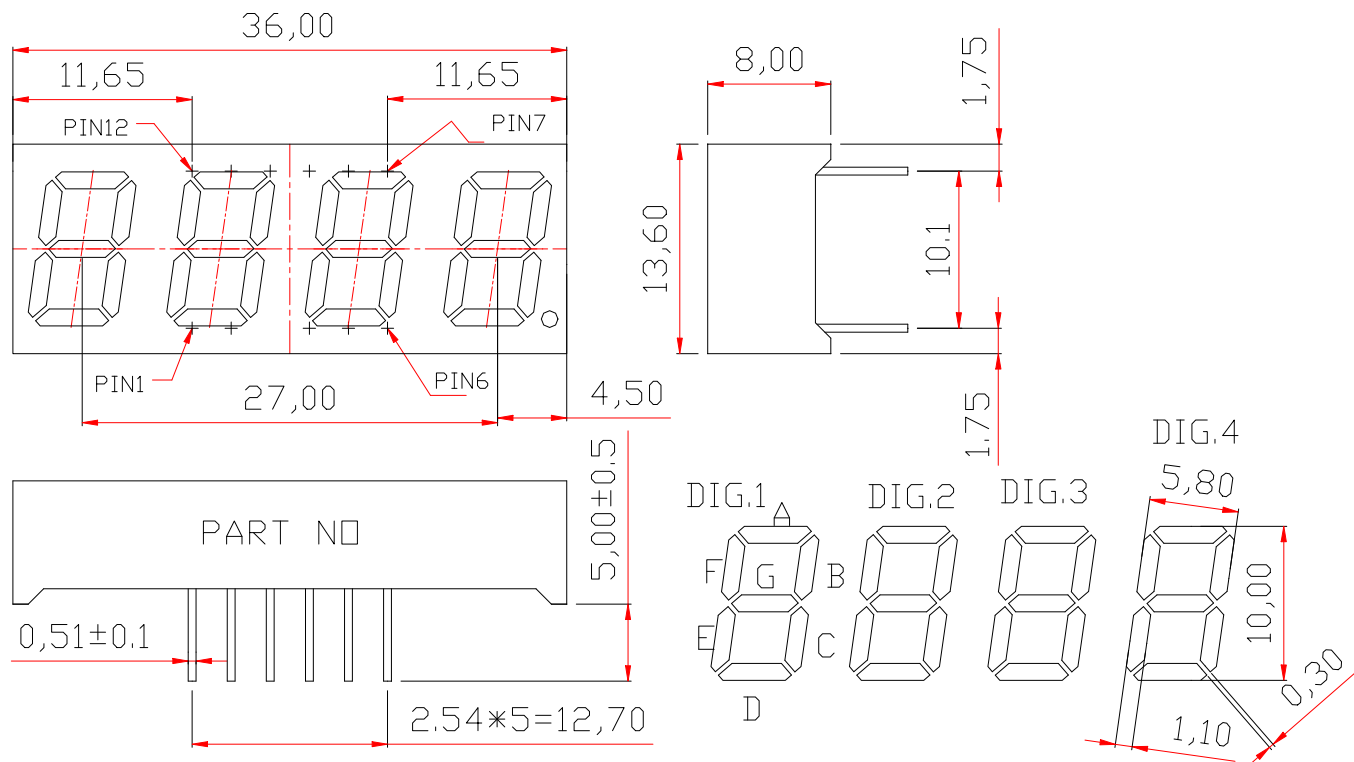
SPECIFICATION

WCN			CUSTOMER Confirmed
Prepared by	Checked by	Approved by	
LIU 2015-4-22	Athena		
Change the record			

**REVISION: A1**

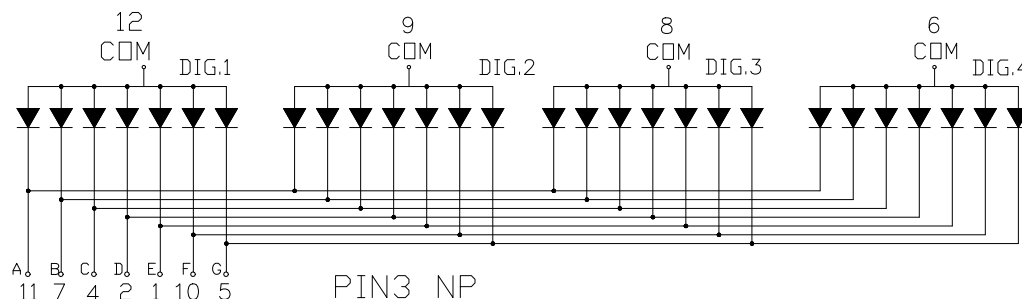
World Components Network Service Ltd

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	Anode E	7	Anode B
2	Anode D	8	Common Dig.3
3	NP	9	Common Dig.2
4	Anode C	10	Anode F
5	Anode G	11	Anode A
6	Common Dig.4	12	Common Dig.1

■ Features:

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

■ Description:

- Four Digit LED Display
- Digit Height:10.2mm(0.4")
- Black 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	—	2.00	2.60	V
Reverse Current	I _R	V _R =5V	Yellow	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Yellow	6101	10000	—	μcd
Wave Length	λ _P	I _F =20mA	Yellow Green	—	568	—	nm
	λ _D			—	573	—	
Spectral Line Half Width	△λ	I _F =20mA	Yellow	—	20	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =10mA				2:1	

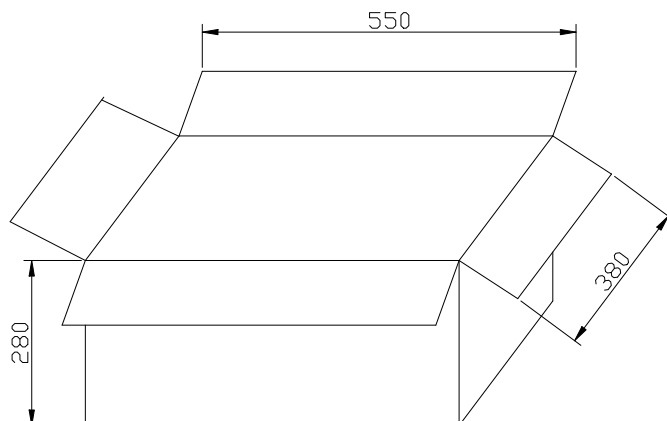
■ Luminous Intensity Sorting:(Luminous Intensity Tolerance is +/-10%)

Rank	Symbol	Condition	Min	Max	Unit
N	N	I _F =10mA	6101	7200	μcd
O	O	I _F =10mA	7201	8500	μcd
P	P	I _F =10mA	8501	10500	μcd
Q	Q	I _F =10mA	10501	12800	μcd

■ Hue Grade: I_F =10mA (Hue: +/-1nm)

Rank	Symbol	Hue Range	Units
3	3	569.1~572.0	nm
4	4	572.1~573.0	nm

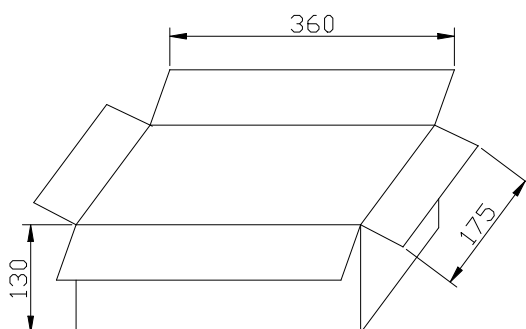
■ Soldering Conditions: Soldering Temp. ≤+260℃, Soldering Time. ≤3sec. (at 2mm Distance from The Case of Reflector Edge)

■ Outer Carton Dimension:

Note: 1. An Outer carton contained 6 Inner cartons and 3420 PCS products.

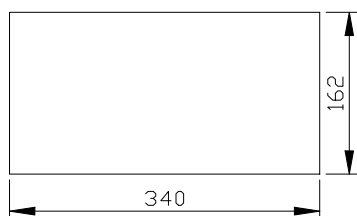
2. Unless otherwise stated, the tolerance is +5mm / -0mm.

3. The carton material is A=B Brown Paper.

■ Inner Carton Dimension:

Note: 1. An Inner carton contained 6 PCS Foam Board and 570 PCS products.

2. Unless otherwise stated , the tolerance is ± 3 mm.

■ IC Tube Dimension:

Note: 1. A Steamed Foam contained 96 PCS products.

2. Unless otherwise stated , the tolerance is ± 2 mm .