

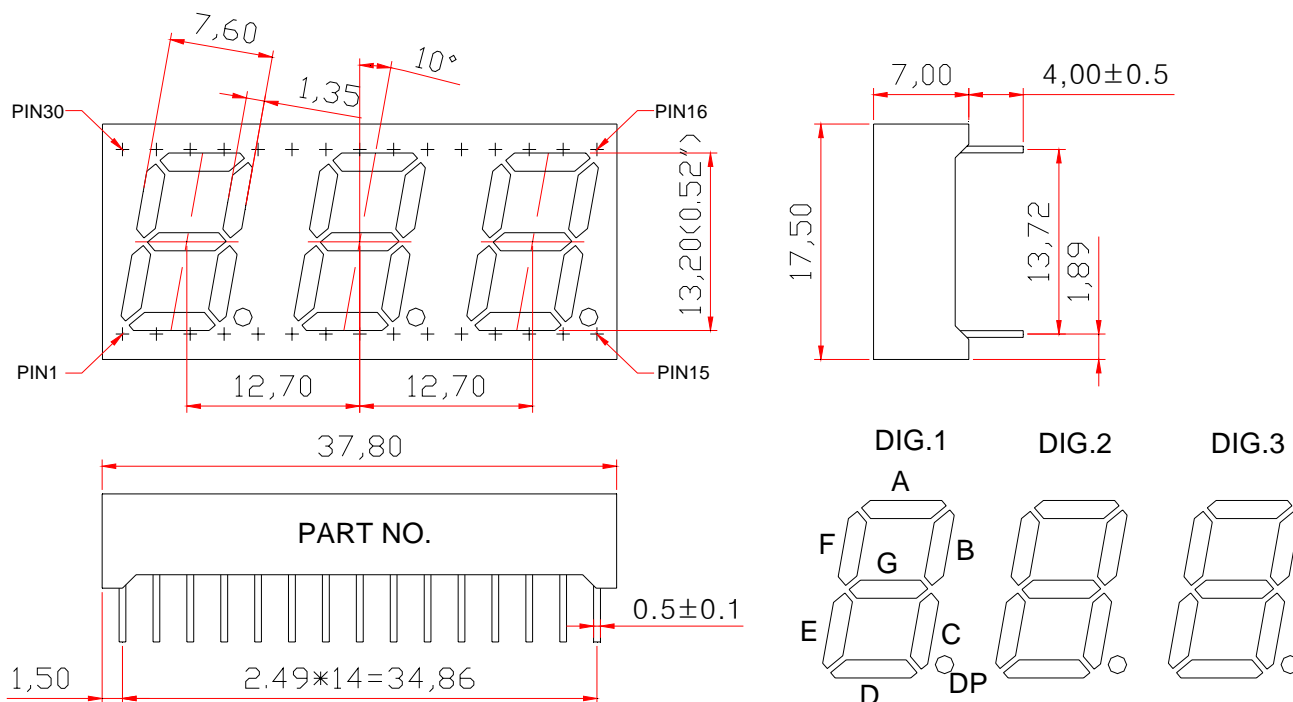
# **WCN3-0052RD-A22**

## **SPECIFICATION**

<b>WCN</b>			<b>CUSTOMER Confirmed</b>
<b>Prepared by</b>	<b>Checked by</b>	<b>Approved by</b>	
<b>Zhang</b> <b>2018-9-14</b>	<b>Athena</b>	<b>William</b>	
<b>REVISION RECORD</b>			

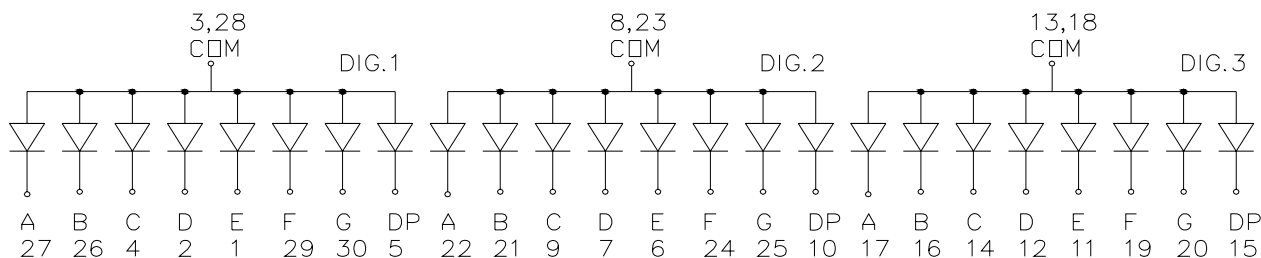
**REVISION: A0**

### Outer Dimension:



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

### Circuit Diagram:



### Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode 1E	11	Cathode 3E	21	Cathode 2B
2	Cathode 1D	12	Cathode 3D	22	Cathode 2A
3	Common Anode DIG.1	13	Common Anode DIG.3	23	Common Anode DIG.2
4	Cathode 1C	14	Cathode 3C	24	Cathode 2F
5	Cathode DP1	15	Cathode DP3	25	Cathode 2G
6	Cathode 2E	16	Cathode 3B	26	Cathode 1B
7	Cathode 2D	17	Cathode 3A	27	Cathode 1A
8	Common Anode DIG.2	18	Common Anode DIG.3	28	Common Anode DIG.1
9	Cathode 2C	19	Cathode 3F	29	Cathode 1F
10	Cathode DP2	20	Cathode 3G	30	Cathode 1G

■ **Features:**

- High Reliability
- Color: Red
- Low Power Requirement
- Easy Assembly

■ **Description:**

- Three Digit Display
- Digit Height:13.2mm(0.52" )
- Black Face and Milky Segment

■ **Absolute Maximum Rating (Ta=25°C):**

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Per Segment	P <sub>d</sub>	—	Red	52	mW
Forward Current Per Segment	I <sub>F</sub>	—	Red	20	mA
Peak Forward Current Per Segment	I <sub>FP</sub>	1/10 Duty 10KHz	Red	100	mA
Reverse Voltage Per Segment	V <sub>R</sub>	—	Red	5	V
Operating Temperature Range	T <sub>opr</sub>	—	—	-35~+85	°C
Storage Temperature Range	T <sub>stg</sub>	—	—	-35~+85	°C

■ **Electrical/Optical Characteristics Rating(Ta=25°C)**

Item	Symbol	Test conditions	Location	Rating			Units
				Min.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	Per Segment	—	2.35	2.60	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	Per Segment	—	—	100	μA
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =10mA	Per Segment	750	1000	—	μcd
Peak Emission Wave Length	λ <sub>P</sub>	I <sub>F</sub> =20mA	Per Segment	—	660	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I <sub>v-m</sub>	I <sub>F</sub> =10mA	—	—	—	1.2:1	

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

■ **Packing method :**

- 13pcs / IC Tube.(520\*19.5\*18.6)
- 702 pcs / Box(537\*175\*125mm).
- 2808 pcs / Carton(550\*380\*280mm).