

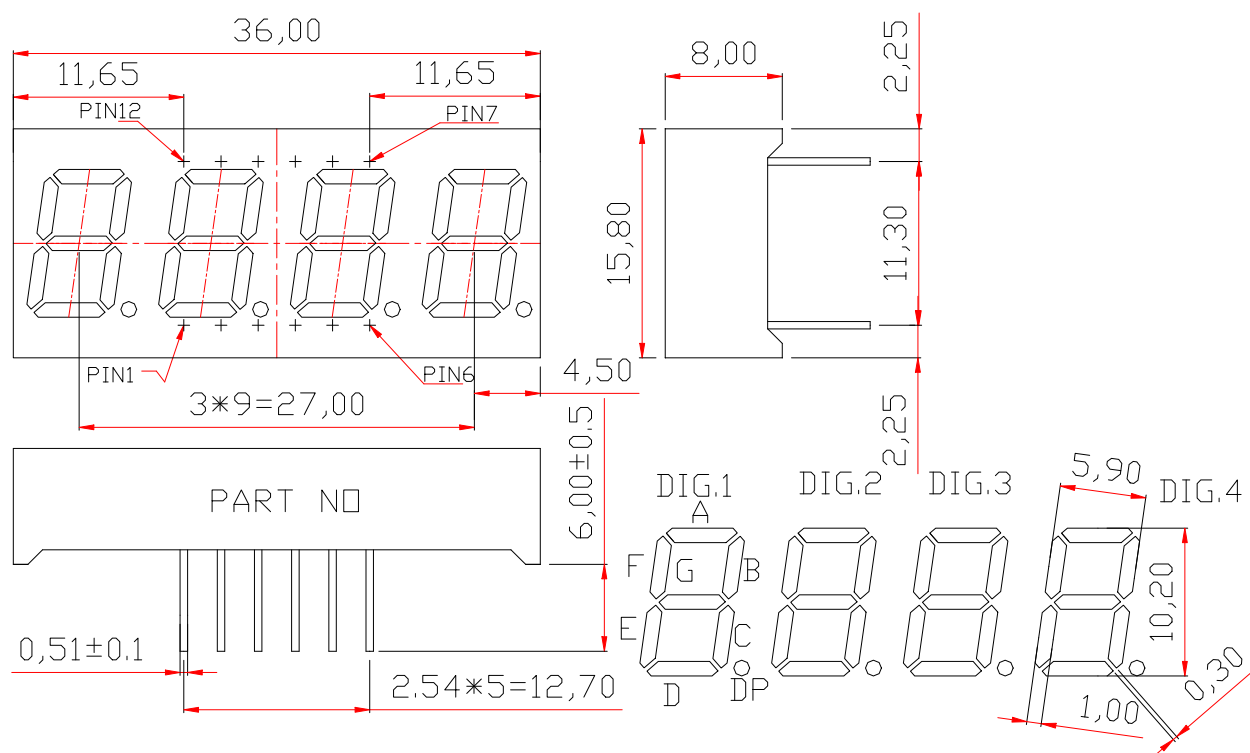
WCN4-0040SR-AE1

SPECIFICATION

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

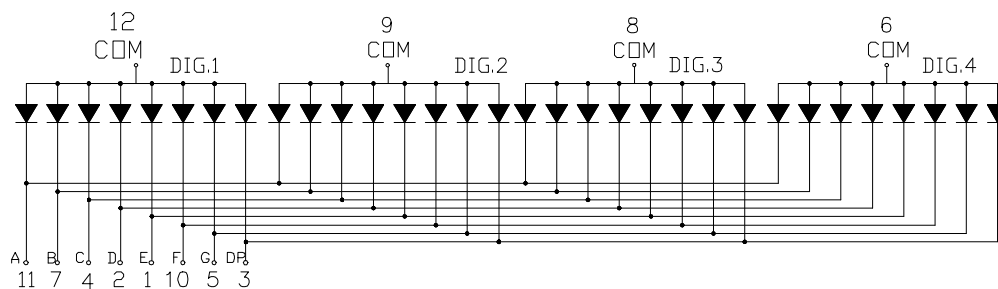
**REVISION: A1**

Outer Dimension:



Notes: Unless otherwise stated, The tolerance is ± 0.25 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	Anode DP	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: Red
- 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°C):

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

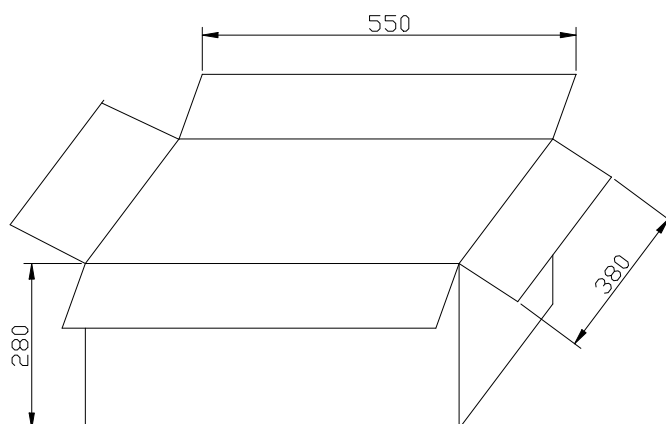
■ Electrical/Optical Characteristics Rating(Ta=25°C)

Item	Symbol	Test conditions	Color	Rating			Units
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Red	—	2.00	2.60	V
Reverse Current	I _R	V _R =5V	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Red	3051	5500	—	μcd
Wave Length	λ _P	I _F =20mA	Red	—	638	—	nm
	λ _D			—	633	—	
Spectral Line Half Width	△λ	I _F =20mA	Red	—	20	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =10mA				2:1	

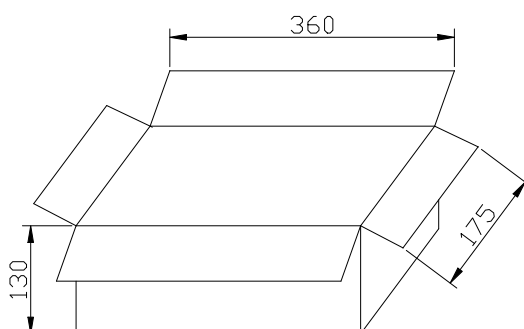
■ Luminous Intensity Sorting:(Luminous Intensity Tolerance is +/-10%)

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

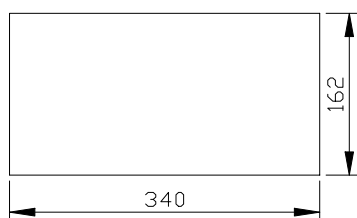
■ Soldering Conditions: Soldering Temp. ≤+260°C, Soldering Time. ≤3sec.
(at 2mm Distance from The Case of Reflector Edge)

■ Outer Carton Dimension:

- Note:** 1. An Outer carton contained 6 Inner cartons and 2880 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 480 PCS products.
2. Unless otherwise stated, the tolerance is ± 3 mm.

■ IC Tube Dimension:

- Note:** 1. A Steamed Foam contained 80 PCS products.
2. Unless otherwise stated, the tolerance is ± 2 mm.