



World Components Network Service Ltd

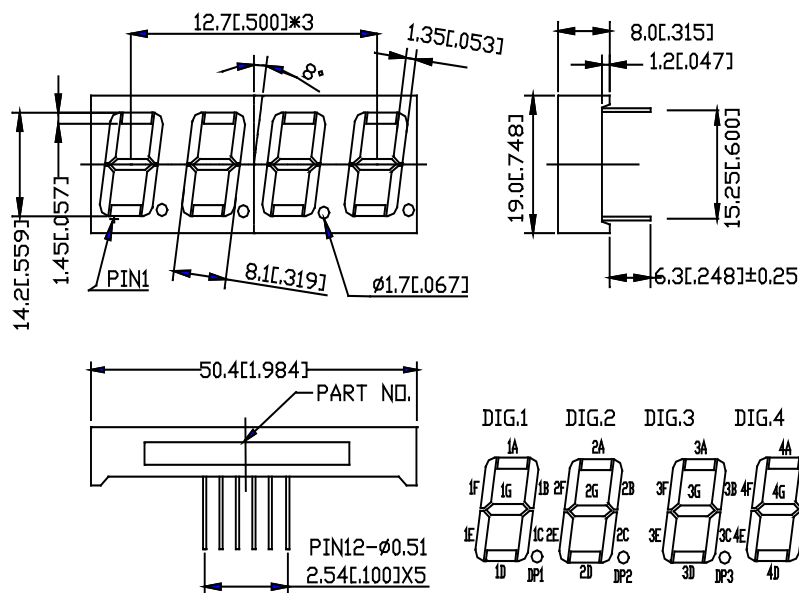
WCN4-0056SR-C11R

SPECIFICATION

WCN			CUSTOMER
NOTE:			

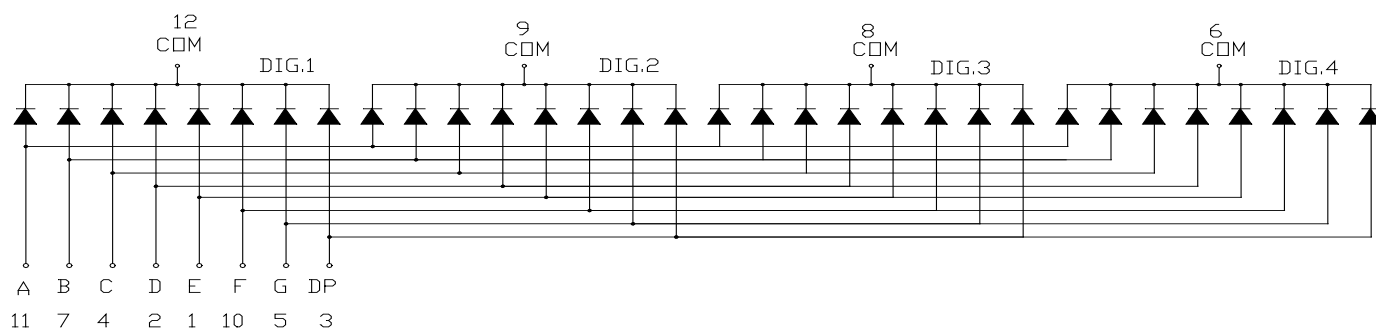
REVISION: 01

Outer Dimension:



Note: 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 Cathode Dig.3
3	Anode DP	9	Common Cathode Dig.2
4	Anode C	10	Anode F
5	Anode G	11	Anode A
6	Common Cathode Dig.4	12	Common Cathode Dig.1

Features:

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

Description:

- Four Digit LED Display
- Digit Height:14.2mm(0.56")
- Black Face And Encapsulation With Milky Segment

Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Unit
Power Dissipation Per Segment	P _d	—	Red	50	mW
Forward Current Per Segment	I _F	—	Red	25	mA
Derating Of If Per Segment	△I _F	Ta ≥ 25°C	Red	0.30	mA/°C
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	Location	Color	Rating			Unit
					Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Segment	Red	—	1.80	2.00	V
Reverse Current	I _R	V _R =5V	Per Segment	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	3201	6000	—	μcd
Wave Length	λ _P	I _F =20mA	Per Segment	Red	—	660	—	nm
	λ _D					643		
Spectral Line Half Width	△λ	I _F =20mA	Per Segment	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
J	J	I _F =10mA	3201	5050	μcd
K	K	I _F =10mA	5051	8000	μcd
L	L	I _F =10mA	8001	12650	μcd

Soldering Conditions: Soldering Temp. ≤ +260°C, Soldering Time. ≤ 3sec.

(at 2mm Distance from The Case of Reflector Edge)