



World Components Network Service Ltd

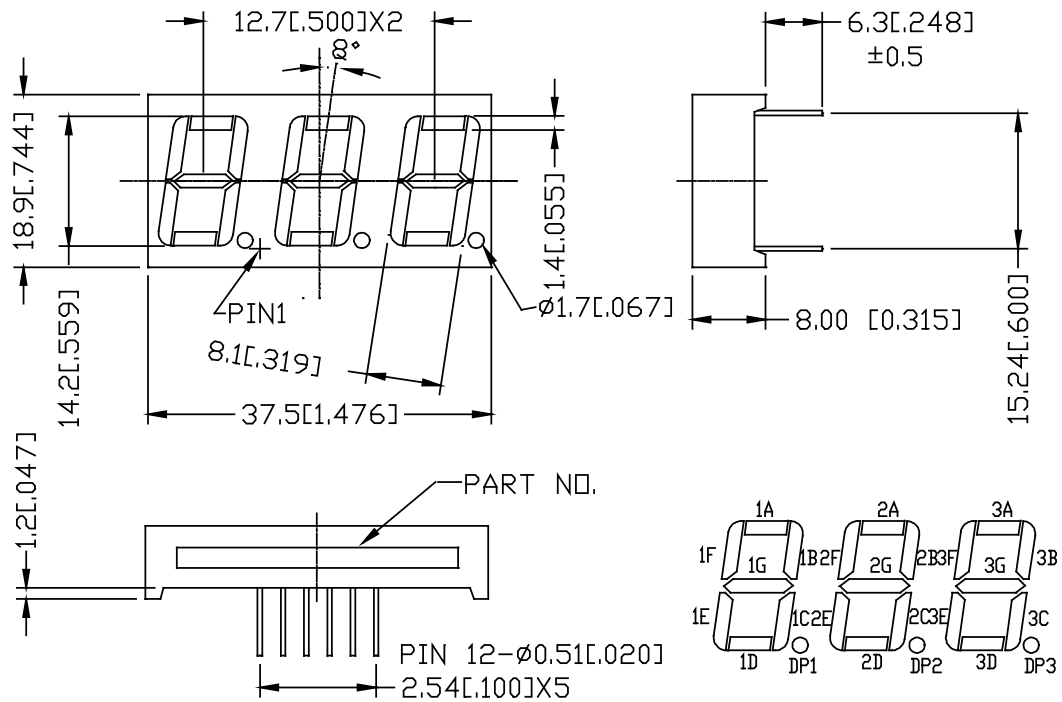
WCN3-0056SR-A11R

SPECIFICATION

WCN			CUSTOMER
NOTE:			

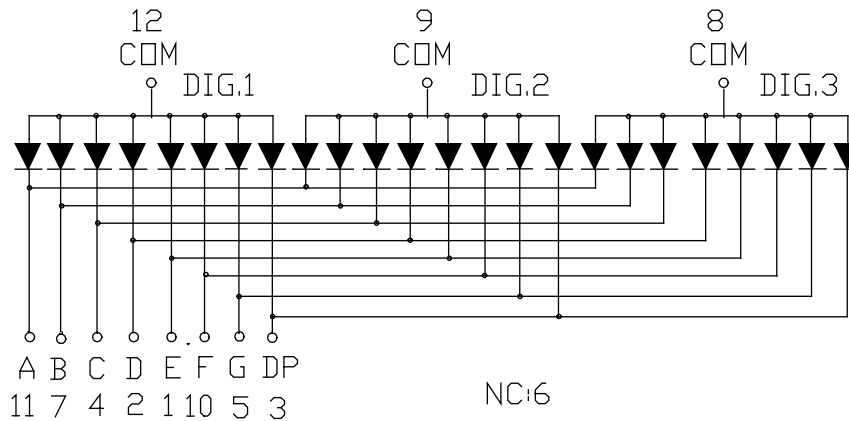
REVISION: 02

Outer Dimension:



Note: Unless otherwise stated, The tolerance is \pm 0.25 mm.

Circuit Diagram:



Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode E	7	Cathode B
2	Cathode D	8	Common Anode Dig.3
3	Cathode DP	9	Common Anode Dig.2
4	Cathode C	10	Cathode F
5	Cathode G	11	Cathode A
6	NC	12	Common Anode Dig.1

■ Features:

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

■ Description:

- Three Digit Display
- Digit Height:14.2mm(0.56")
- Black Face And Molding With Milky Epoxy

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Unit
Power Dissipation Segment	P _d	—	Red	50	mW
Forward Current 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	3200	6000	—	μcd
Peak Emission 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	I _{v-m}	I _F =10mA					2:1	

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

Rank	Symbol	Condition	Min	Max	Unit
J	I _V	I _F =10mA	3201	5050	μcd
K	I _V	I _F =10mA	5051	8000	μcd
L	I _V	I _F =10mA	8001	12650	μcd

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

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