



World Components Network Service Ltd

WCN2-0056SR-A11R

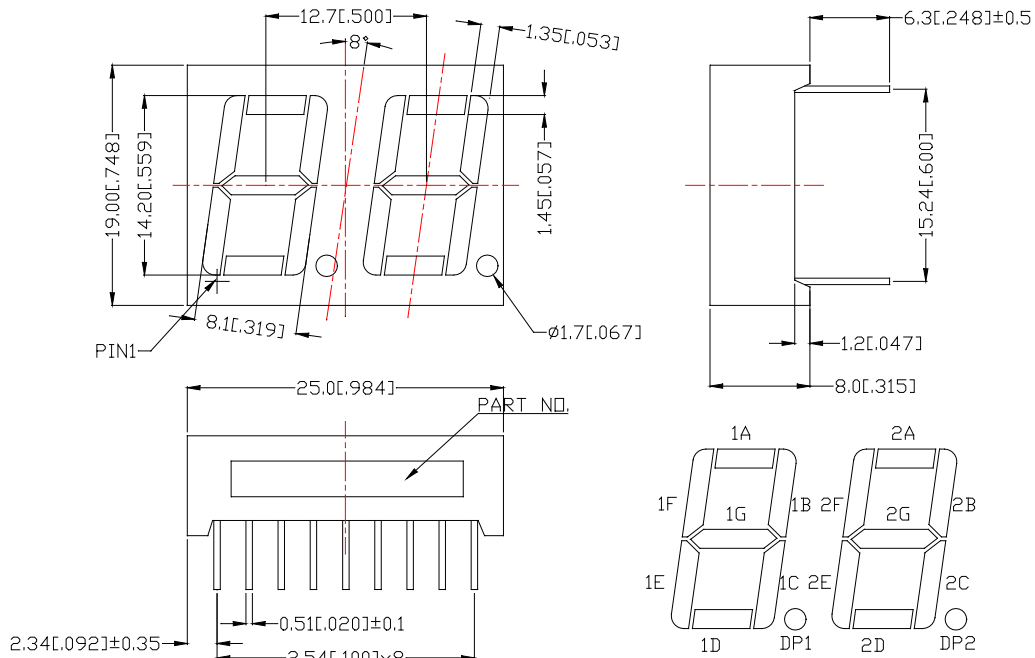
SPECIFICATION

WCN			CUSTOMER
NOTE:			

REVISION: 01

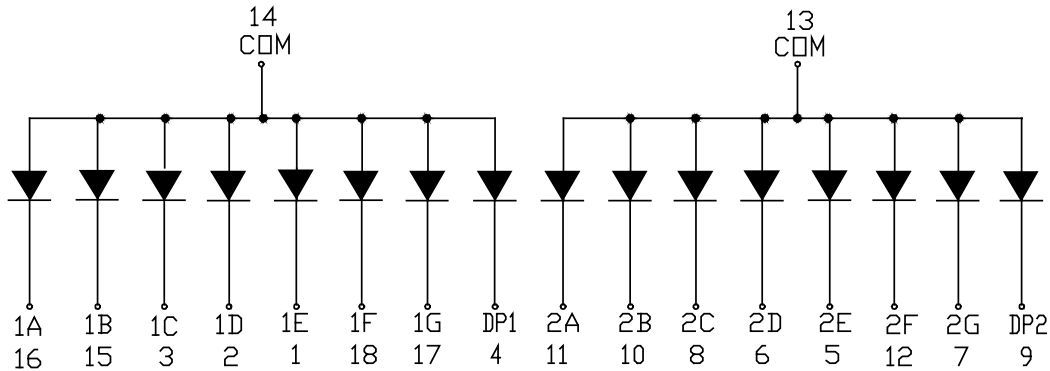
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Outer Dimension:



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

■ Circuit Diagram:



■ Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode 1E	7	Cathode 2G	13	Common Anode Dig2
2	Cathode 1D	8	Cathode 2C	14	Common Anode Dig1
3	Cathode 1C	9	Cathode DP2	15	Cathode 1B
4	Cathode DP1	10	Cathode 2B	16	Cathode 1A
5	Cathode 2E	11	Cathode 2A	17	Cathode 1G
6	Cathode 2D	12	Cathode 2F	18	Cathode 1F

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Features:

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

Description:

- Dual Digit LED Display
- Digit Height: 14.2mm(0.56")
- Black Face And Encapsulation 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	ΔI _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	—	2.1	2.60	V
Reverse Current	I _R	V _R =5V	Per Segment	Red	—	—	100	μA
Luminous Intensity	I _v	I _F =10mA	Per Segment	Red	5051	8000	—	μcd
Wave Length	λ _P	I _F =20mA	Per Segment	Red	—	640	—	nm
	λ _D					635		
Spectral Line Half Width	Δλ	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
K	K	I _F =10mA	5051	8000	μcd
L	L	I _F =10mA	8001	12650	μcd
M	M	I _F =10mA	12651	20000	μcd

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

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