

PCB LAYOUT - COMPONENT VIEW

TECHNICAL CHARACTERISTICS

MATERIAL  
 INSULATOR: PA6/66  
 FLAMMABILITY RATING: UL94V0  
 COLOR: GREEN  
 METAL HOUSING: COPPER ALLOY / Ni+Sn  
 TERMINAL SCREW: STEEL / Zn  
 WIRE GUARD: COPPER ALLOY / Ni+Sn

ENVIRONMENTAL  
 OPERATING TEMPERATURE: -30°C UP TO +120°C  
 COMPLIANCE: LEAD FREE AND ROHS

|                       |           |        |
|-----------------------|-----------|--------|
| ELECTRICAL            | UL        | VDE    |
| CURRENT RATING:       | 16A       | 24A    |
| WORKING VOLTAGE:      | 300VAC    | 450VAC |
| WITHSTANDING VOLTAGE: | 1,6KV     | 2,5KV  |
| CONTACT RESISTANCE:   | 20 mΩ MAX |        |

STANDARD

|                     |                   |
|---------------------|-------------------|
| CERTIFIED: E150931  | CAT. N°: MRT5 (2) |
| CERTIFIED: 40021392 | TYPE: MRT5        |

MECHANICAL

|                |                                       |
|----------------|---------------------------------------|
| SOLID WIRE:    | 30-12 AWG / 0,05-3,31 mm <sup>2</sup> |
| STRANDED WIRE: | 30-12 AWG / 0,05-3,31 mm <sup>2</sup> |
| TORQUE:        | 5lb.In / 0,5 Nm                       |

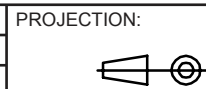
WIRE STRIPE LENGTH: 6 mm  
 SCREW: M3  
 PITCH: 5,08 mm

SOLDERING  
 JEDEC LEAD FREE WAVE SOLDERING

PACKAGING  
 BOX

A = (nb. pin-1) x pitch  
 B = (nb. pin x pitch)

|                |           |      |    |
|----------------|-----------|------|----|
| RoHS Compliant |           |      |    |
| G              |           |      |    |
| F              |           |      |    |
| E              |           |      |    |
| D              |           |      |    |
| C              |           |      |    |
| B              |           |      |    |
| A              | 26-AUG-14 | PDF  | AK |
| REV            | DATE      | FILE | BY |



APPROVAL: QL

GENERAL TOLERANCE

±0,1



UNIT: MM

SCALE:

SHEET: 1/1

DRAW: AK

DESCRIPTION: SERIE 2535 - 5.08 MM - HORIZONTAL CABLE ENTRY WITH RISING CAGE CLAMP - WR-TBL

WERI PART NO: 691 253 510 0xx

SIZE

**A4**

1

2

3

4

5

## Cautions and Warnings:

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

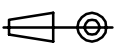

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

A

B

C

RoHS Compliant

|     |           |      |    |  |   |   |                   |
|-----|-----------|------|----|--|---|---|-------------------|
| G   |           |      |    | PROJECTION:<br> | GENERAL TOLERANCE<br>.X = +/- 0.2<br>.XX = +/- 0.15 |  |                   |
| F   |           |      |    |  |   |   |                   |
| E   |           |      |    |  |   |   |                   |
| D   |           |      |    |  |   |   |                   |
| C   |           |      |    | APPROVAL: JC   | UNIT: MM  | DESCRIPTION: DISCLAIMER   | SIZE<br><b>A4</b> |
| B   |           |      |    |  | SCALE:  |   |                   |
| A   | 10-SEP-14 | PDF  | QL |  | SHEET: 2/2  | WERI PART NO: DISCLAIMER  |                   |
| REV | DATE      | FILE | BY |  | DRAW: QL  |   |                   |

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