

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499151120

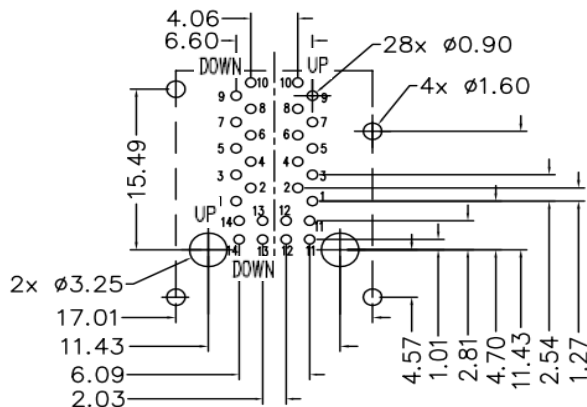
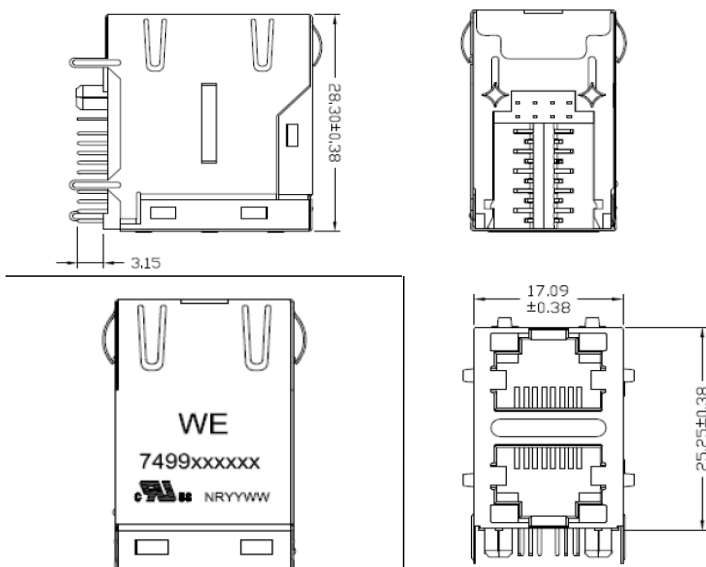


Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100/1000 BaseT  
description : LAN-Transformer WE-RJ45LAN 10/100/1000 BaseT

DATUM / DATE : 2015-01-26

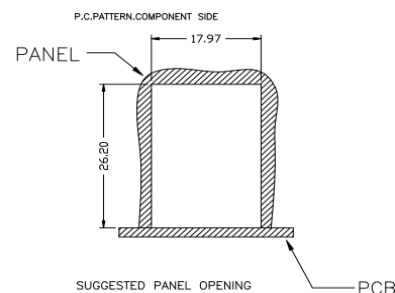
## A Mechanische Abmessungen / dimensions :

## B Lötspad / soldering spec. :



## C Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties           | Testbedingungen / test conditions |     | Wert / value | Einheit / unit | tol. |
|--------------------------------------|-----------------------------------|-----|--------------|----------------|------|
| Induktivität / Inductance            | 100kHz / 100mV @ 8mA DC-Bias      | OCL | 350          | μH             | min. |
| Übersetzungsverhältnis / Turns ratio | 100kHz / 100mV                    | TR  | 1 : 1        | Tx             | 3%   |
|                                      |                                   |     | 1 : 1        | Rx             |      |
| Insertion Loss                       | 1-100MHz                          | IL  | -1,1         | dB             | max. |
| Return Loss                          | 1-30MHz @ 100Ω                    | RL  | -18          | dB             | min. |
|                                      | 40-60MHz @ 100Ω                   |     | -14          |                |      |
|                                      | 60-80MHz @ 100Ω                   |     | -12          |                |      |
|                                      | 80-100MHz @ 100Ω                  |     | -10          |                |      |
| Crosstalk                            | 1-10MHz                           | CT  | -35          | dB             | min. |
|                                      | 15-60MHz                          |     | -26          |                |      |
|                                      | 60-100MHz                         |     | -24          |                |      |
| Common Mode Rejection                | 1-60MHz                           | CMR | -40          | dB             | min. |
|                                      | 60-100MHz                         |     | -30          |                |      |



## D Prüfgeräte / test equipment :

HP4395A

## E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%  
Umgebungstemperatur / temperature: +25°C

## F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit/ ferrite  
Draht / wire: UEW/Y 155°C  
Kontaktmaterial/ contact plating: 100% tin w. nickel underplating  
30μ"gold plating on contact area  
Gehäuse / housing: Thermoplastic UL-94V0  
LED: 1,8-2,8 V/ 20mA  
Shield: 50μ" nickel over 0.01" cooper alloy

## G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40 °C to +85 °C  
Hochspannungsprüfung / Hipot test: 1500Vrms 1min.  
Geeignet für 1000BaseT-Anwendungen gemäß IEEE 802.3ab / Compliant with IEEE 802.3ab for 1000BaseT

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

|      |                         |              |
|------|-------------------------|--------------|
| JaB  | Revision 04             | 2015-01-26   |
| Mle  | Revision 03             | 2013-06-05   |
| Mru  | Revision 02             | 2013-05-13   |
| Mle  | Revision 01             | 2013-02-07   |
| Mle  | Revision 00             | 2012-06-18   |
| Name | Änderung / modification | Datum / date |

Würth Elektronik eiSos GmbH & Co.KG

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http://www.we-online.com

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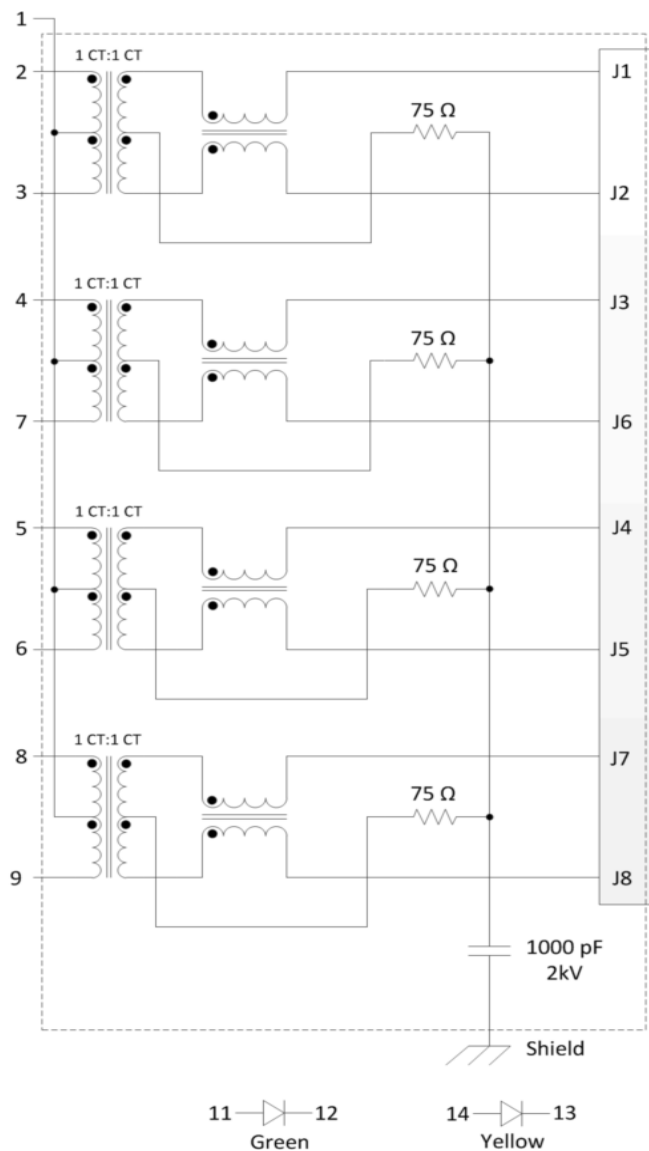


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## H Schaltbild / Schematics :



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Unterschrift / signature

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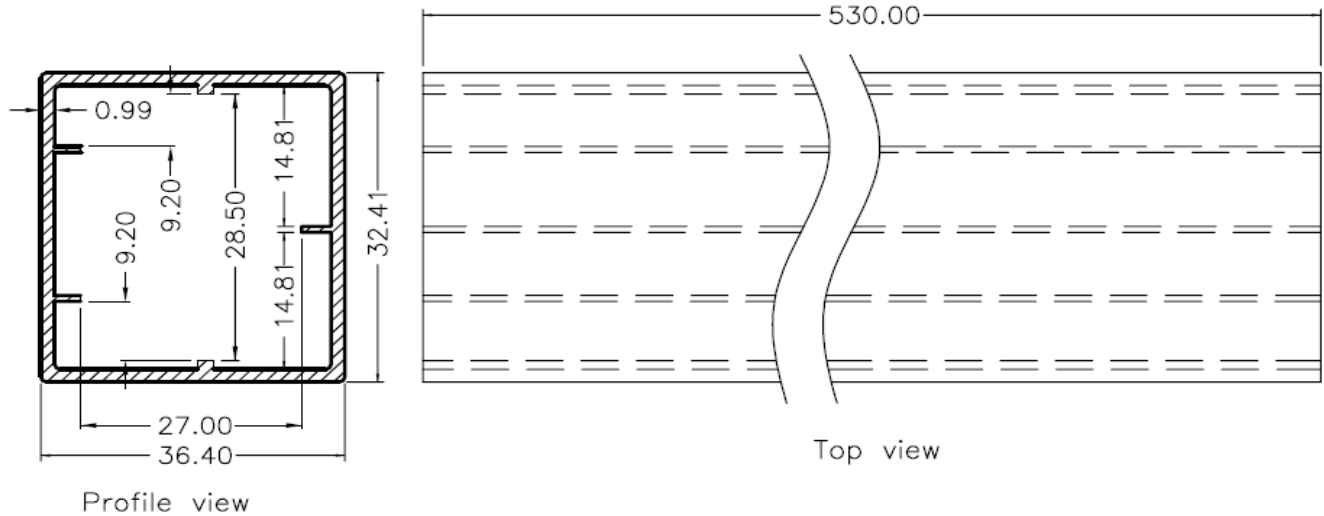
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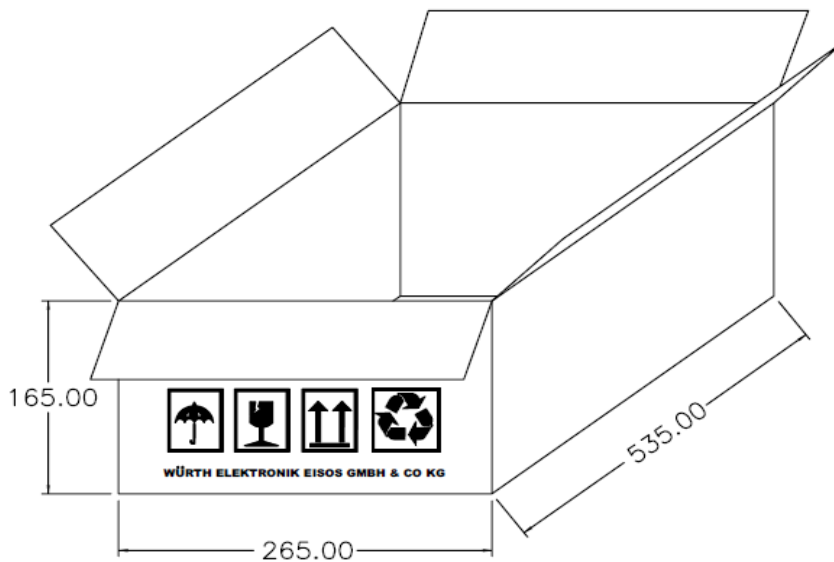
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## I Verpackungsspezifikation / package specification :

### Tube



### Carton



### Package Quantity:

tube= 26pcs  
carton= 832pcs

### dimensions in mm

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|------------------|--|------|-------------------------|
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Geprüft / checked

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This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

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# AMEYA360

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