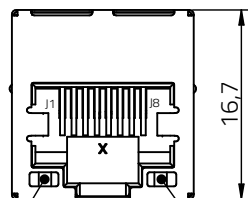
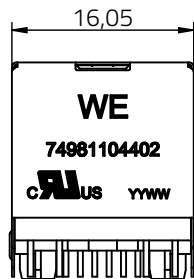
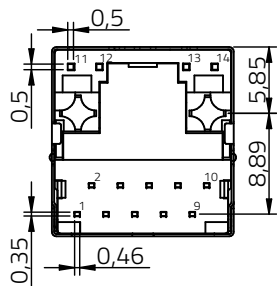
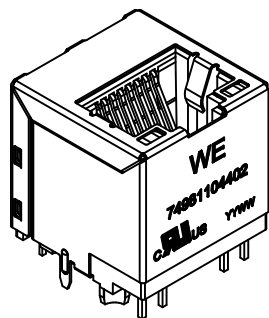
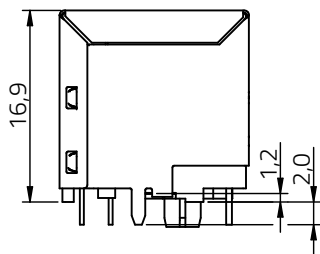


Dimensions: [mm]



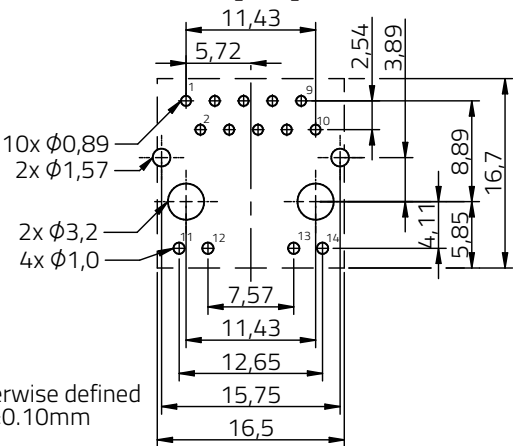
Right LED Left LED

Unless otherwise defined tolerance: ±0.25mm



Scale - 1,5:1

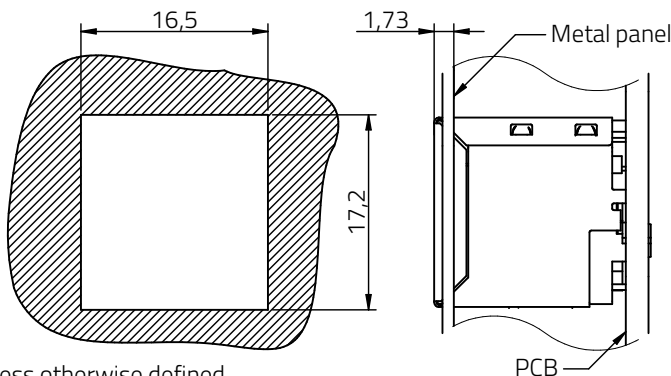
Recommended Hole Pattern: [mm]



Unless otherwise defined tolerance: ±0.10mm




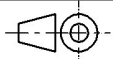

Scale - 1,5:1

Recommended Panel Cutout: [mm]

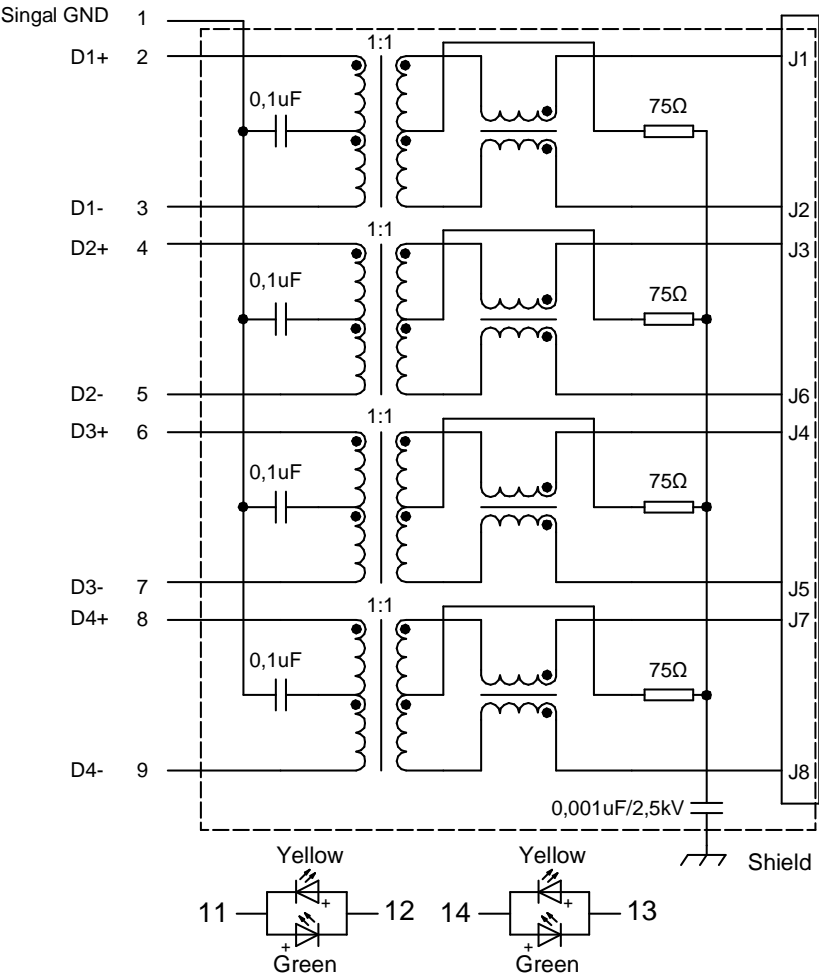


Unless otherwise defined tolerance: ±0.10mm

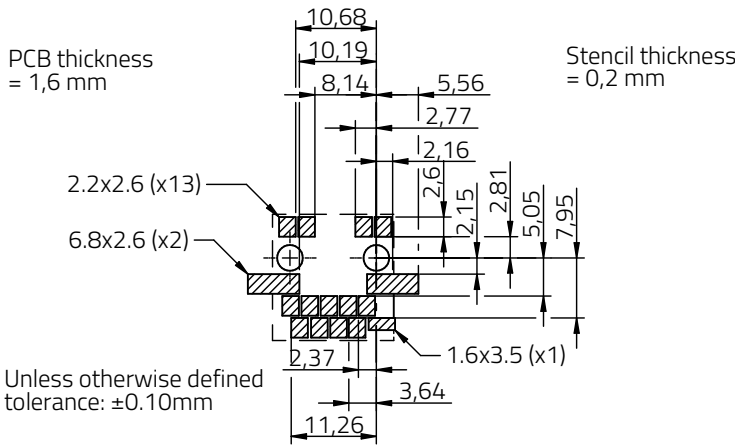
Scale - 1,5:1

  		CHECKED SLa	REVISION 001.003	DATE (YYYY-MM-DD) 2025-06-11	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
 WÜRTH ELEKTRONIK MORE THAN YOU EXPECT		DESCRIPTION WE-RJ45LAN Through Hole Reflow				ORDER CODE 74981104402
Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com		BUSINESS UNIT eiSos		STATUS Valid	PAGE 1/5	

Schematic:



Recommended Stencil Design: [mm]



Classification Reflow Profile for SMT components:



Classification Reflow Soldering Profile:





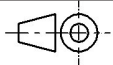
Profile Feature		Value
Preheat Temperature Min	$T_{s\ min}$	150 °C
Preheat Temperature Max	$T_{s\ max}$	200 °C
Preheat Time t_s from $T_{s\ min}$ to $T_{s\ max}$	t_s	60 - 120 seconds
Ramp-up Rate (T_L to T_p)		3 °C/ second max.
Liquidous Temperature	T_L	217 °C
Time t_L maintained above T_L	t_L	60 - 150 seconds
Peak package body temperature	T_p	$T_p \leq T_c$, see Table below
Time within 5°C of actual peak temperature	t_p	20 - 30 seconds
Ramp-down Rate (T_p to T_L)		6 °C/ second max.
Time 25°C to peak temperature		8 minutes max.

refer to IPC/ JEDEC J-STD-020E

Package Classification Reflow Temperature (T_c):

Properties	Volume mm ³ <350	Volume mm ³ 350-2000	Volume mm ³ >2000
PB-Free Assembly Package Thickness < 1.6 mm	260 °C	260 °C	260 °C
PB-Free Assembly Package Thickness 1.6 mm - 2.5 mm	260 °C	250 °C	245 °C
PB-Free Assembly Package Thickness > 2.5 mm	250 °C	245 °C	245 °C

refer to IPC/ JEDEC J-STD-020E

<div><div></div><div><div><div>WÜRTH ELEKTRONIK</div><div>MORE THAN YOU EXPECT</div></div></div><div>Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com</div></div>		CHECKED SLa	REVISION 001.003	DATE (YYYY-MM-DD) 2025-06-11	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
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Further information

Component Libraries:



[Altium_WE-RJ45 LAN \(25a\)](#)



[Downloads_CADENCE_WE-RJ45_LAN \(25c\)](#)



[Cadstar_WE-RJ45 LAN \(21c\)](#)



[Eagle_WE-RJ45 LAN \(25c\)](#)






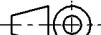

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<div><div>RoHS COMPLIANT</div></div> <div><div>REACH COMPLIANT</div></div> <div><div>Ce</div></div>		CHECKED SLa	REVISION 001.003	DATE (YYYY-MM-DD) 2025-06-11	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
<div><div>WÜRTH ELEKTRONIK MORE THAN YOU EXPECT</div></div> <div>Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com</div>		DESCRIPTION WE-RJ45LAN Through Hole Reflow			ORDER CODE 74981104402	
					BUSINESS UNIT eiSos	STATUS Valid

Important Notes

The following conditions apply to all goods within the product range of Würth Elektronik eiSos GmbH & Co. KG:

1. General Customer Responsibility

Some goods within the product range of Würth Elektronik eiSos GmbH & Co. KG contain statements regarding general suitability for certain application areas. These statements about suitability are based on our knowledge and experience of typical requirements concerning the areas, serve as general guidance and cannot be estimated as binding statements about the suitability for a customer application. The responsibility for the applicability and use in a particular customer design is always solely within the authority of the customer. Due to this fact it is up to the customer to evaluate, where appropriate to investigate and decide whether the device with the specific product characteristics described in the product specification is valid and suitable for the respective customer application or not.

2. Customer Responsibility related to Specific, in particular Safety-Relevant Applications

It has to be clearly pointed out that the possibility of a malfunction of electronic components or failure before the end of the usual lifetime cannot be completely eliminated in the current state of the art, even if the products are operated within the range of the specifications. In certain customer applications requiring a very high level of safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health it must be ensured by most advanced technological aid of suitable design of the customer application that no injury or damage is caused to third parties in the event of malfunction or failure of an electronic component. Therefore, customer is cautioned to verify that data sheets are current before placing orders. The current data sheets can be downloaded at www.we-online.com.

3. Best Care and Attention

Any product-specific notes, cautions and warnings must be strictly observed. Any disregard will result in the loss of warranty.

4. Customer Support for Product Specifications

Some products within the product range may contain substances which are subject to restrictions in certain jurisdictions in order to serve specific technical requirements. Necessary information is available on request. In this case the field sales engineer or the internal sales person in charge should be contacted who will be happy to support in this matter.

5. Product R&D

Due to constant product improvement product specifications may change from time to time. As a standard reporting procedure of the Product Change Notification (PCN) according to the JEDEC-Standard inform about minor and major changes. In case of further queries regarding the PCN, the field sales engineer or the internal sales person in charge should be contacted. The basic responsibility of the customer as per Section 1 and 2 remains unaffected.

6. Product Life Cycle




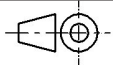

Due to technical progress and economical evaluation we also reserve the right to discontinue production and delivery of products. As a standard reporting procedure of the Product Termination Notification (PTN) according to the JEDEC-Standard we will inform at an early stage about inevitable product discontinuance. According to this we cannot guarantee that all products within our product range will always be available. Therefore it needs to be verified with the field sales engineer or the internal sales person in charge about the current product availability expectancy before or when the product for application design-in disposal is considered. The approach named above does not apply in the case of individual agreements deviating from the foregoing for customer-specific products.

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