THE DATASHEET OF

7499151120

Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **7499151120**

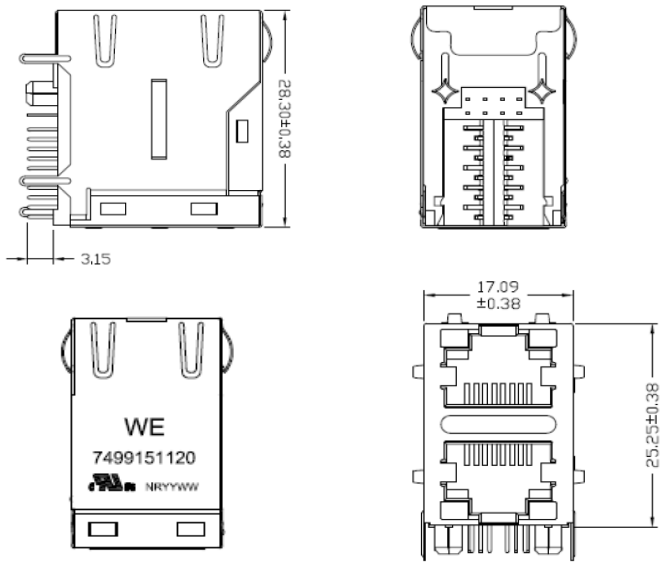
Bezeichnung : **LAN-Übertrager WE-RJ45LAN 10/100/1000 BaseT**
description : **LAN-Transformer WE-RJ45LAN 10/100/1000 BaseT**

compliant RoHS WÜRTH ELEKTRONIK

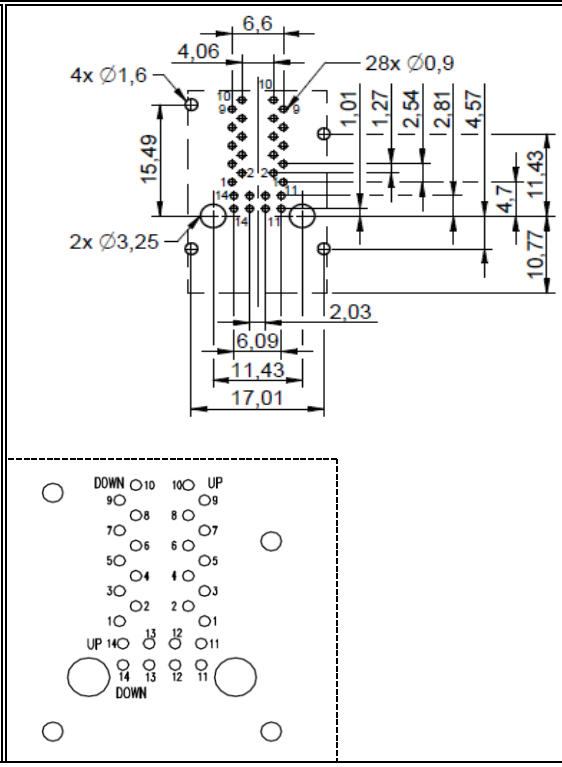
WÜRTH ELEKTRONIK

DATUM / DATE : 2018-06-27

A Mechanische Abmessungen / dimensions :

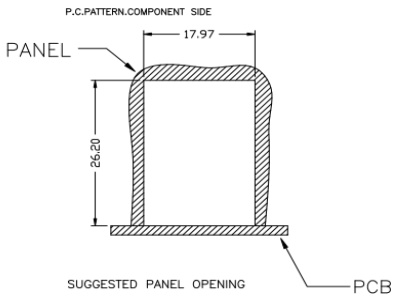


B Lötpad / soldering spec. :



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

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

Mle	Revison 09	2018-06-27
Mle	Revison 08	2018-03-02
Mle	Revison 07	2017-09-29
Mle	Revision 06	2016-04-27
Mle	Revision 05	2015-06-29
JaB	Revision 04	2015-01-26
Mle	Revision 03	2013-06-05
Mle	Revision 00	2012-06-18
Name	**Änderung / modification**	Datum / date

Spezifikation für Freigabe / specification for release

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Artikelnummer / part number : **7499151120**
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description : **LAN-Transformer WE-RJ45LAN 10/100/1000 BaseT**

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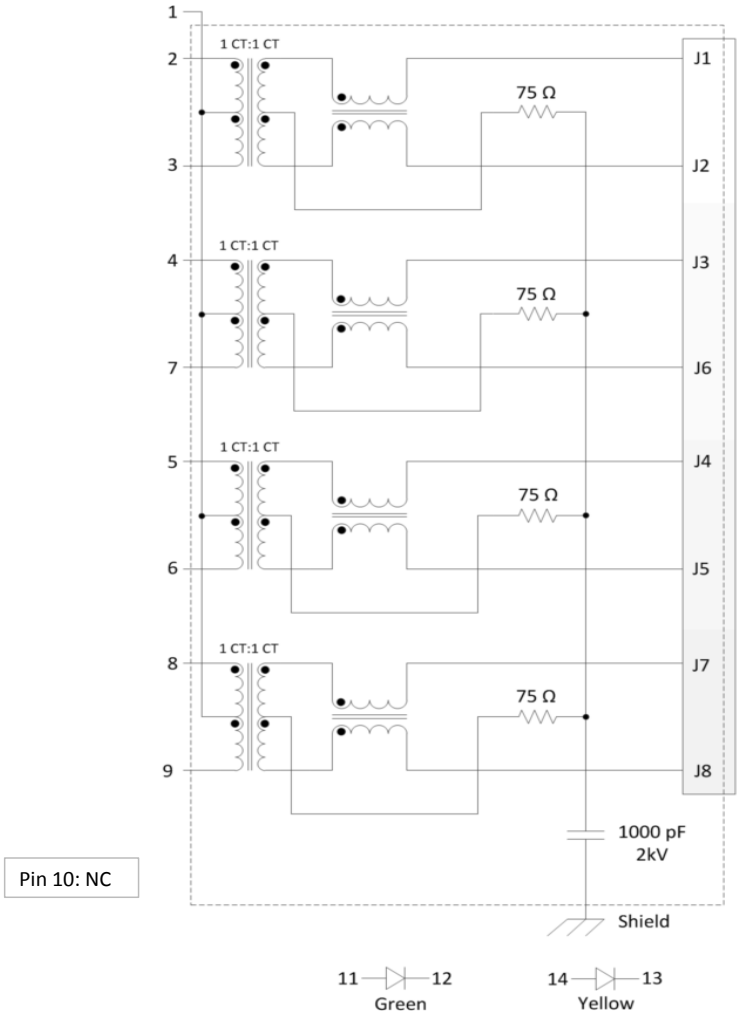
F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material:	Ferrit/ ferrite
Draht / wire:	UEW/Y 155°C
Kontaktmaterial/ contact plating:	100% tin w. nickel underpalting 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: 2250VDC 1min.
Geeignet für 1000BaseT-Anwendungen gemäß IEEE 802.3ab /
Compliant with IEEE 802.3ab for 1000BaseT

H Schaltbild / Schematics :



Pin 10: NC

Freigabe erteilt / general release:	**Kunde / customer**	Mle	Revison 09	2018-06-27
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.....	.....	Mle	Revision 06	2016-04-27
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.....	.....	Mle	Revision 00	2012-06-18
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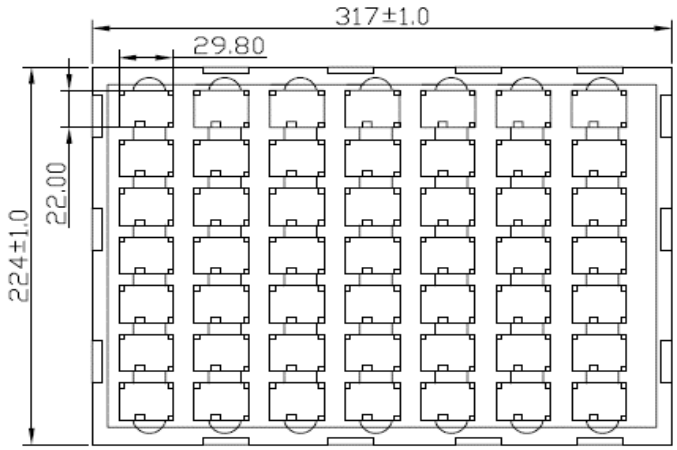
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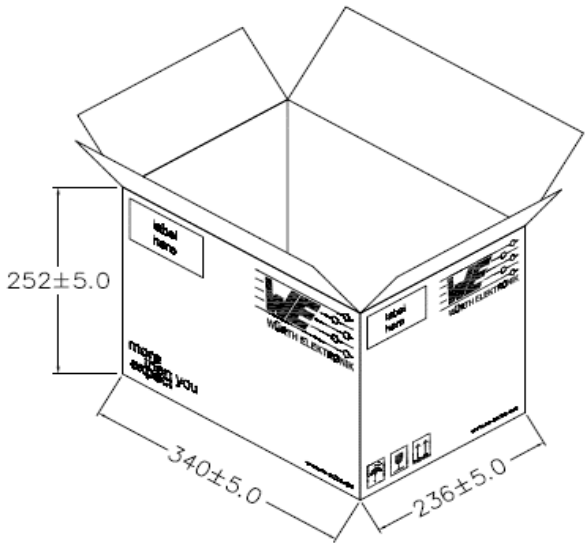
DATUM / DATE : 2018-06-27

I Verpackungsspezifikation / package specification :

Tray



Carton



dimensions in mm

Package Quantity:

tray= 49 pcs
carton= 7 tray (343 pcs)

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.....	.....	Mle	Revision 00	2012-06-18
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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.

Looking for pricing, stock, or lifecycle information?

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