

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7498111120R

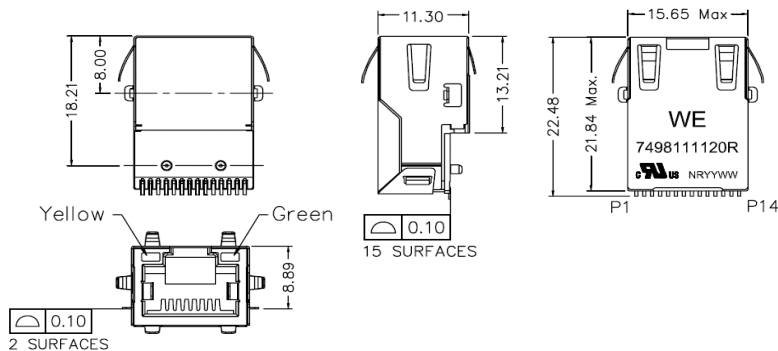
Bezeichnung : LAN-Übertrager WE-RJ45LAN 1000Base-T

description : LAN-Transformer WE-RJ45LAN 1000Base-T



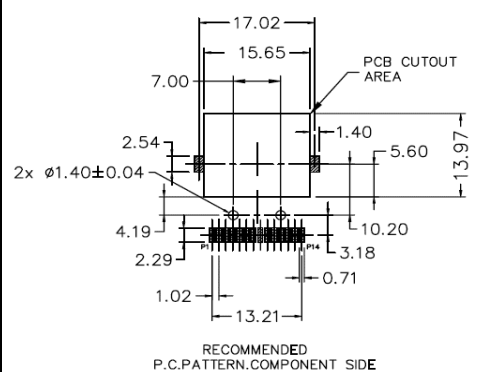
DATUM / DATE : 2016-02-24

A Mechanische Abmessungen / dimensions :



unless otherwise specified, tolerance: 0.25 mm

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	2%
			1 : 1	Rx	
Insertion Loss	1-100MHz	IL	-1.0	dB	max.
Return Loss	1-30MHz	RL	-18	dB	min.
	30-60 MHz		-15		
	60-80MHz		-12		
	80-100MHz		-10		
Common Mode Rejection	1-50MHz	CMR	-30	dB	min.
	50-130MHz		-20		
Crosstalk	1-30MHz	CT	-37	dB	min.
	30-60MHz		-32		
	60-100MHz		-27		

D Prüfgeräte / test equipment :

Agilent 4395A Network Analyzer

E Testbedingungen / test conditions :

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

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material:	Ferrit/ ferrite
Draht / wire:	QPN 180
Kontaktmaterial/ contact plating:	100% tin w. nickel underplating 30µ"gold plating on contact area
Gehäuse / housing	Thermoplastic UL 94V-0
LED	1,8-2,5V / 20mA
Shield	50µ" nickel over 0.008" cooper alloy

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: 0°C - + 70°C
Hochspannungsprüfung / Hipot test: 2250Vdc 1min.
Geeignet für 1000Base-TX gemäß IEEE 802.3ab /
Compliant with IEEE 802.3ab for 1000Base-TX-Applications
Auto MDIX fähig / Auto MDIX capable
UL File: E330599

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

MMai

Revision 00

2016-02-24

Name

Änderung / modification

Datum / date

Würth Elektronik eiSos GmbH & Co.KG

D-74638 Waldenburg · Max-Eyth-Straße 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
http://www.we-online.com

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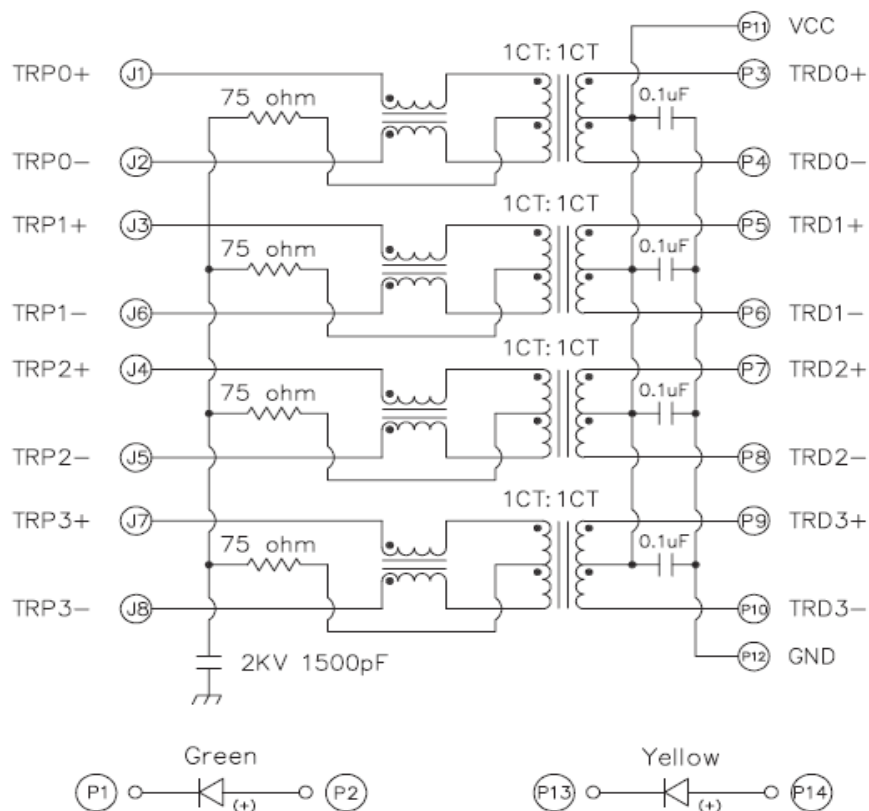
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H Schaltbild / Schematics :



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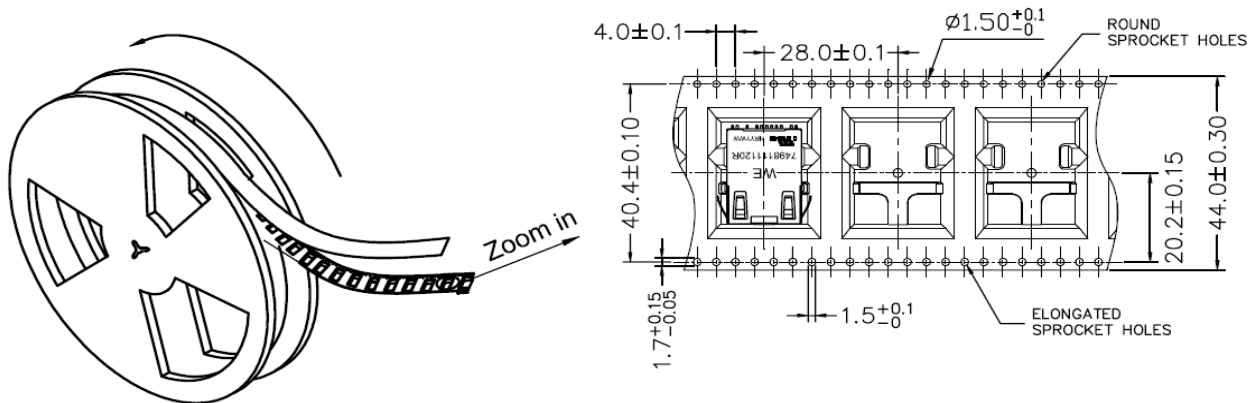
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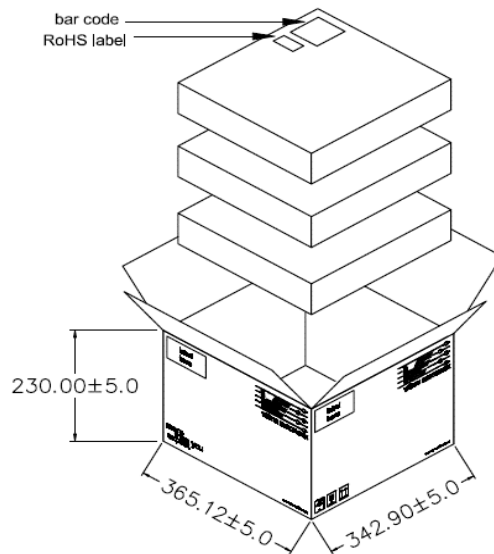
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I Verpackungsspezifikation / package specification :

Reel:



Carton:



Packing Quantity:

reel = 100 pcs
carton = 300 pcs

dimensions in mm

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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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