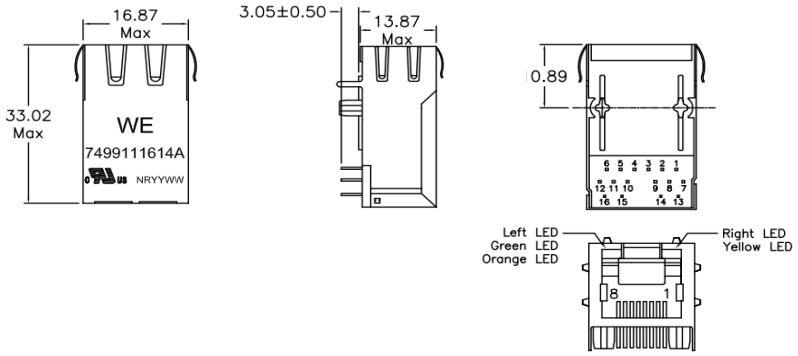
Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **7499111614A**

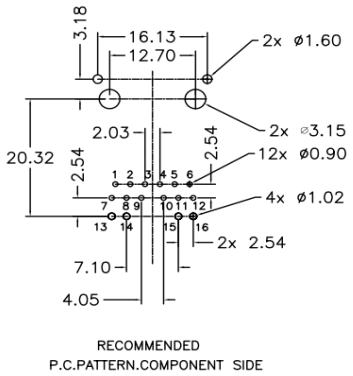
Bezeichnung : **LAN-Übertrager WE-RJ45LAN 10/100/1000 BaseT**
description : **LAN-Transformer WE-RJ45LAN 10/100/1000 BaseT**

DATUM / DATE : 2012-08-30

A Mechanische Abmessungen / dimensions :



B Lötpad / soldering spec. :



C Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Indukivität / 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	**-1,0**	dB	**max.**
Return Loss	**1-10MHz @ 100Ω**	RL	**-20**	dB	**min.**
	10-30MHz @ 100Ω		**-16**		
	30-60MHz @ 100Ω		**-12**		
	60-80MHz @ 100Ω		**-10**		
Common Mode Rejection	**1-500MHz**	CMR	**-25**	dB	**min.**
Crosstalk	**1-30MHz**	CT	**-40**	dB	**min.**
	30-60MHz		**-35**		
	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:	4UEW 180°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: 0°C - +70°C

Hochspannungsprüfung / Hipot test: 1500Vrms 1min.

Geeignet für 1000BaseT-Anwendungen gemäß IEEE 802.3ab / Compliant with IEEE 802.3ab for 1000BaseT

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

Name	Änderung / modification	Datum / date
Mle	Revision 01	2012-08-30
Mle	Revision 00	2011-12-12

Würth Elektronik eiSos GmbH & Co.KG

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http://www.we-online.com

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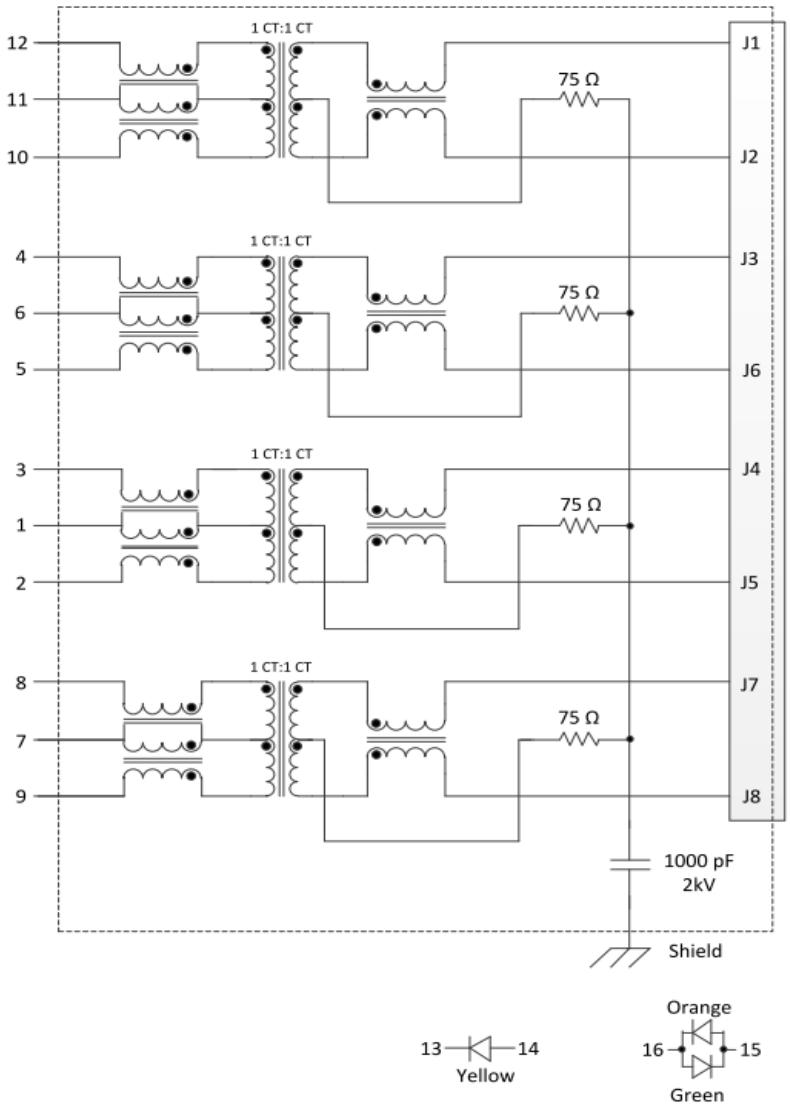
H Schaltbild / Schematics :



Freigabe erteilt / general release:	**Kunde / customer**	0	0	1900-01-00
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		Mle	Revision 01	2012-08-30
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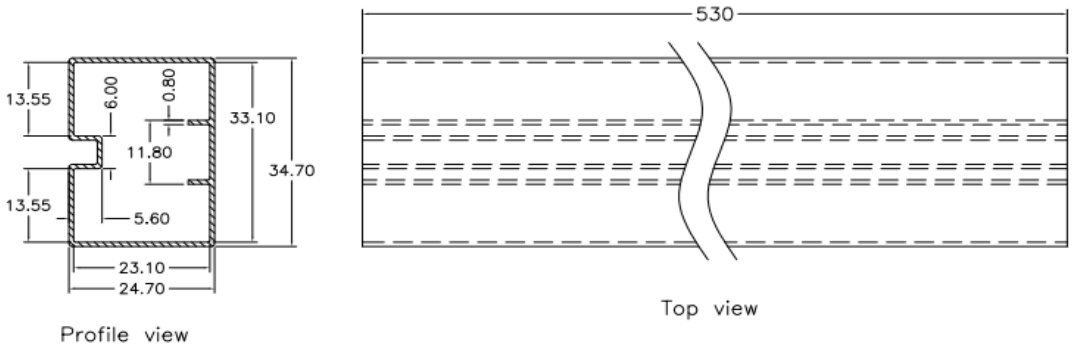
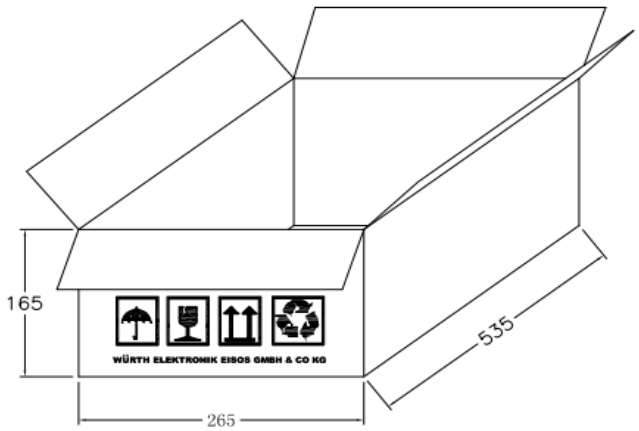
I Rollenspezifikation / tape and reel specification :

Tube



Carton



Package Quantity:

tube= 28pcs
carton= 1176pcs

dimensions in mm

Freigabe erteilt / general release:	**Kunde / customer**	0	0	1900-01-00
.....	.....			
Datum / date	Unterschrift / signature			
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.....	.....	Mle	Revision 00	2011-12-12
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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, nudear 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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