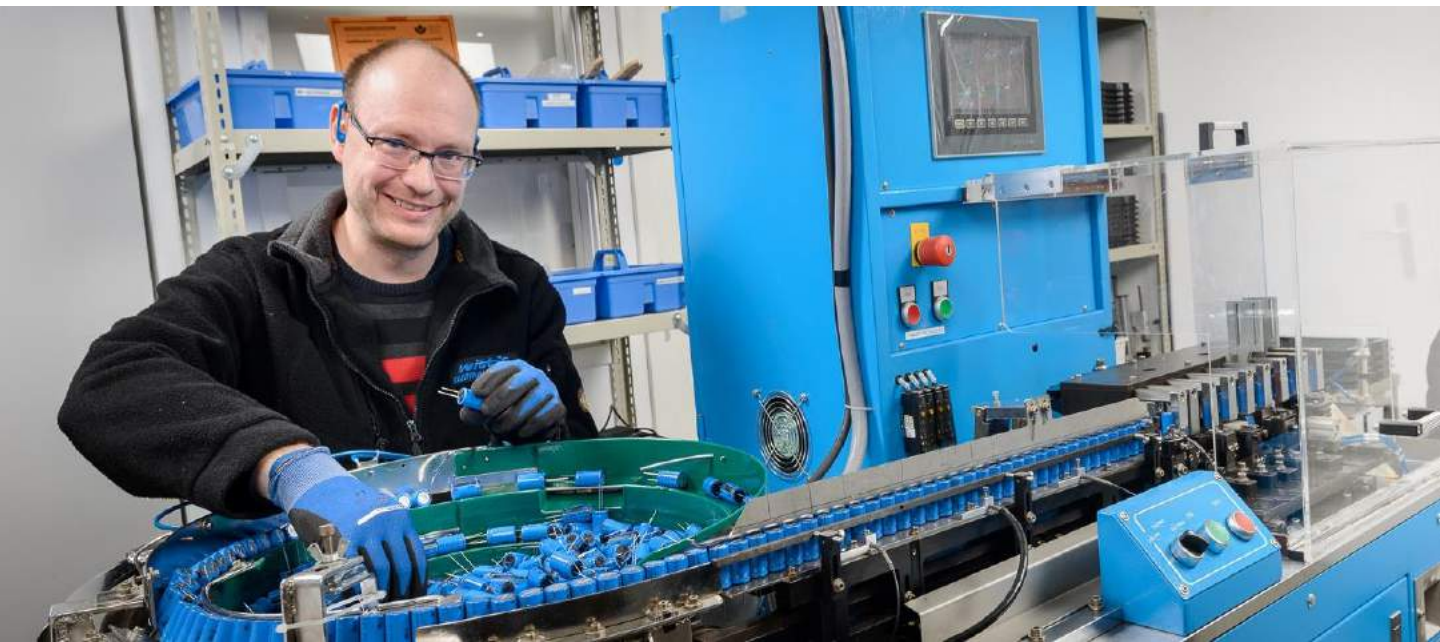


# Component Modification



# Component Modification

Components from *wittig ELECTRONIC* arrive in such condition they can be used directly in manufacturing process. Thanks to our fully automated manufacturing process and special equipment we can offer you not only the standard radial and axial leads but also other forms of component mounting. We also offer these services for any parts a customer bought elsewhere, in which case the customer is charged only for the service provided. We can shorten leads to an exact length required, bend them, change the set of endings,



install connectors, insulations, change mounting etc. In case of your interest we can pre-prepare the whole assembly. Interconnecting SMD parts with through-hole mounted parts is one of the other services we offer. We can change SMD parts into radial leads starting from case size 0805 and bigger. We can leave these radial parts with their existing surface or treat them with epoxy of your specification. Components can be supplied either on reel or in special, reusable trays, which are suitable to safe transport and storage.

# Changing of Lead Configuration



## Simply Cutting of Component Leads or Step-Cut



**IV Terminal**



**IJ Terminal**



## Wrong Polarity Prevention for E-Caps $\varnothing 5\sim 25\text{mm}$ , Pitch $2\sim 10\text{mm}$



**JI Terminal**



**IP Terminal**



# Changing of Lead Configuration



## Cut and Kink



## Cut and Bend



# Mounting of Components



## Pre-Assembly

We deliver capacitors completely pre-assembled with vibration holders, insulating washers, silicone caps or other plastic parts.

The delivery takes place in multi-way trays or in your production boxes. Another unpacking and the disposal of cardboard boxes is over.

Of course we also supply the accessories individually!

# Putting Leads on SMD Components

The wiring of SMD components is another service that we offer.

Thus we change SMD components, size 0805 and larger, to radial components by using a high temperature solder. These radial components are available as bare or dipped version, printed according to your needs.

Of course, these radial components can be strapped or changed in the wire configuration.



## Why are we doing this?

Some of our customers ensure the suppression of DC motors in automobiles.

Many well-known Japanese manufacturers are focusing on the SMD MLCC mass market and have discontinued leaded ceramic capacitors.

However, the brush bridge manufacturers in particular do not use printed circuit boards, but weld the suppression components directly onto lead frames in the plastic housing and need radial or axial ceramic capacitors.

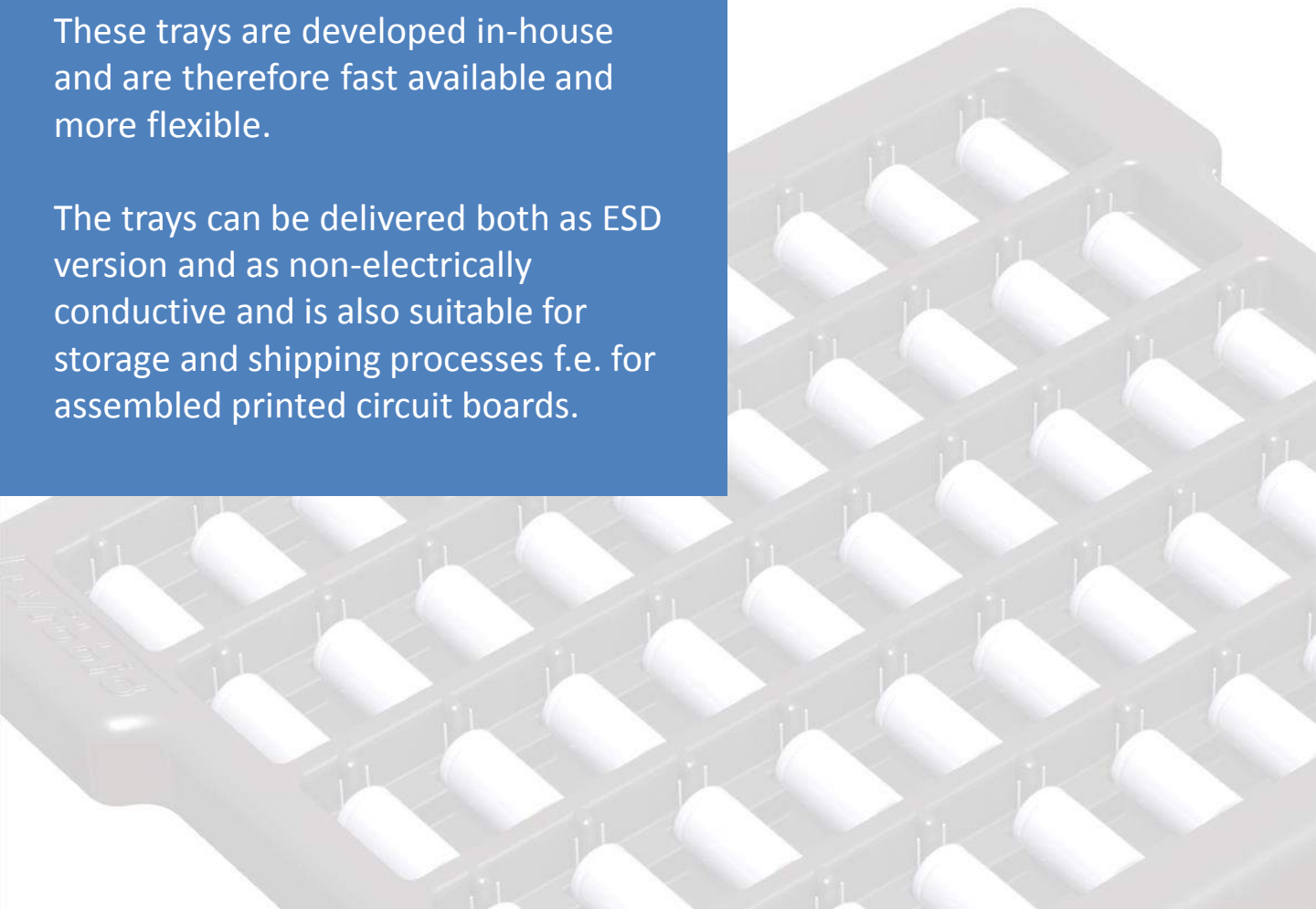
# Creation and Supply of Trays



In order to bring special wire bends within the customer's specification to the production sites, we can offer you product-specific reusable packaging.

These trays are developed in-house and are therefore fast available and more flexible.

The trays can be delivered both as ESD version and as non-electrically conductive and is also suitable for storage and shipping processes f.e. for assembled printed circuit boards.

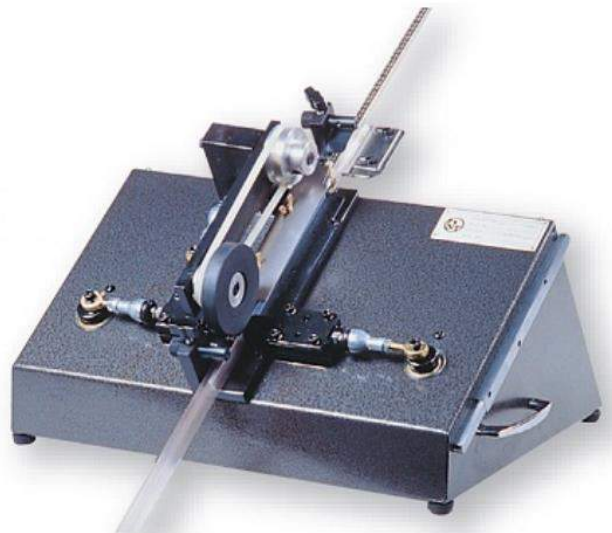
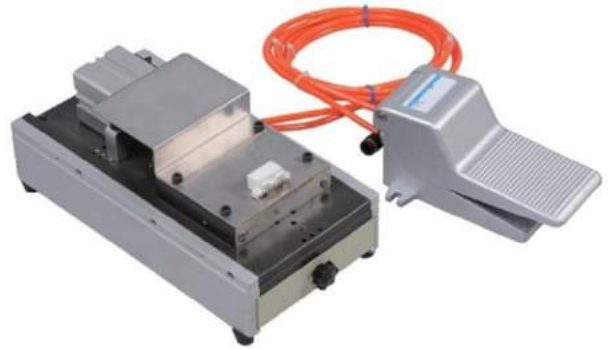


## Fully Automated Workshop





# Large Number of Toolings and Equipment



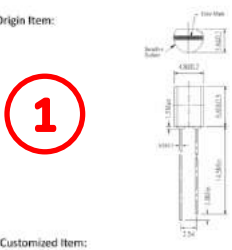
# Process Workflow

1. Simple Drawing
2. Quotation for Working Process
3. Technical Drawing
4. Providing of Samples (option)
5. Initial Sample Test Report (option)
6. Final Production


**wittig ELECTRONIC GmbH**

Manufacturer Part Number: **PD438B/C2**  
 Customized Part Number: **125-014-492TJS**

Drawing Origin Item:



Drawing Customized Item:



Customized Action: **1. Cut Diode Leads**

WITIG ELECTRONIC GmbH | Gewerbestraße 14a | D-33099 Bielefeld | Tel. 0521-21-33010 | Fax 0521-21-33014  
 info@wittig-electronic.de | www.wittig-electronic.de

**wittig ELECTRONIC GmbH**      WITIGFUNKTION  
 DIN EN ISO 9001:2008

wittig ELECTRONIC GmbH Gewerbestraße 14a | D-33099 Bielefeld

**Angebot**

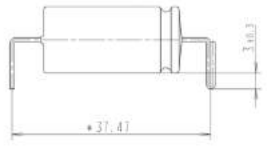

Leistungszug / OH      CP  
 Zusteller / Transport      URS / STANDARD  
 Zubehörlieferungen:      14 Tage 3% Skonto ab Rechnungsdatum, 30 Tage netto  
 Anpreisungsgültigkeit:      30 Tage

Bestellnummer: **A100**  
 Bestelldatum: **13. November 2018**  
 Kundennummer: **11801**

Nr.	Bezeichnung	VPE	Lieferzeit	Menge	Einheit	PE	Währung	Preis/PE	Nettobetrag
1	Kontaktförderung ohne Elektro mit Silber (Bezeichnung des besten Elektro)	400000	Deck	100	Stück				

Dieses Angebot wurde maschinell erstellt und ist ohne Gewähr gültig.

Bei Aufträgen über 100.000 Euro wird ein Mindestanzahl von 1000 Stück benötigt.

**Deckblatt**

Kunden: [Redacted]

Wittig Electronic GmbH  
 Gewerbestraße 14a | D-33099 Bielefeld

Empfänger: [Redacted]

**Anfragen:**

<input type="checkbox"/> 1) Funktionsprüfung	<input type="checkbox"/> 12) Prüfung der Bauteile	<input type="checkbox"/> 21) Funktionstest
<input type="checkbox"/> 2) Maßprüfung	<input type="checkbox"/> 13) Prüfung der Bauteile	<input type="checkbox"/> 22) Funktionstest
<input type="checkbox"/> 3) Materialprüfung	<input type="checkbox"/> 14) Prüfung der Bauteile	<input type="checkbox"/> 23) Funktionstest
<input type="checkbox"/> 4) Zerstörungsprüfung	<input type="checkbox"/> 15) Prüfung der Bauteile	<input type="checkbox"/> 24) Funktionstest
<input type="checkbox"/> 5) Prüfung der Bauteile	<input type="checkbox"/> 16) Prüfung der Bauteile	<input type="checkbox"/> 25) Funktionstest
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<input type="checkbox"/> 7) Prüfung der Bauteile	<input type="checkbox"/> 18) Prüfung der Bauteile	<input type="checkbox"/> 27) Funktionstest
<input type="checkbox"/> 8) Prüfung der Bauteile	<input type="checkbox"/> 19) Prüfung der Bauteile	<input type="checkbox"/> 28) Funktionstest
<input type="checkbox"/> 9) Prüfung der Bauteile	<input type="checkbox"/> 20) Prüfung der Bauteile	<input type="checkbox"/> 29) Funktionstest

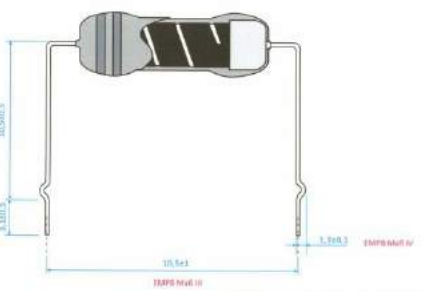

**Prüfergebnisse**

Prüfung: [Redacted]

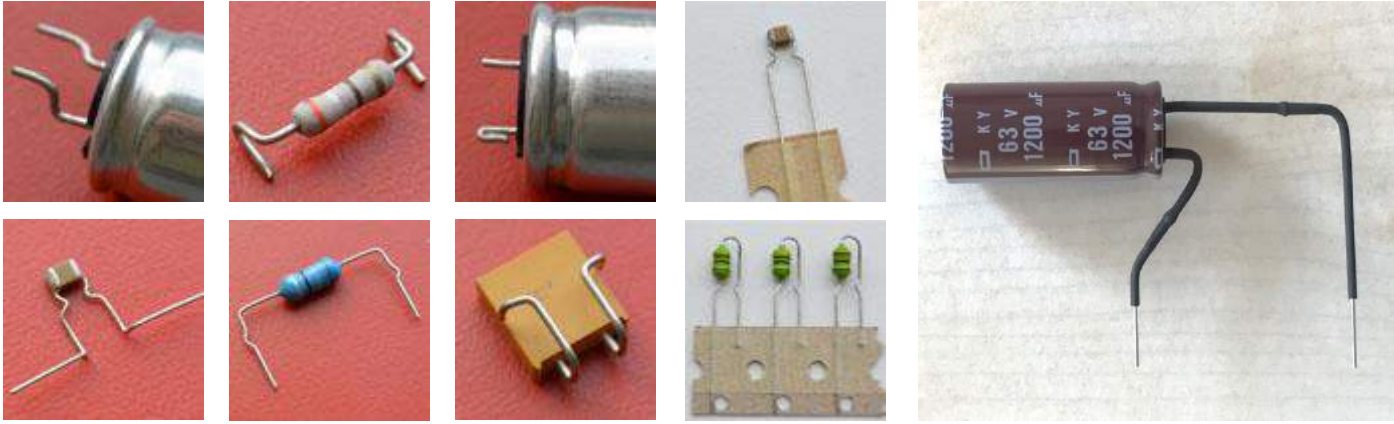
Prüfungsergebnisse:

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2) Maßprüfung	OK
3) Materialprüfung	OK
4) Zerstörungsprüfung	OK
5) Prüfung der Bauteile	OK
6) Prüfung der Bauteile	OK
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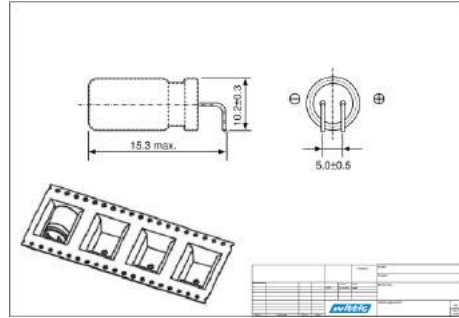
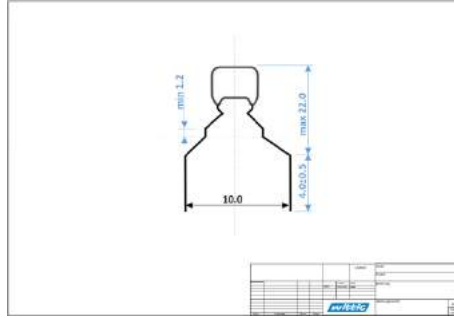
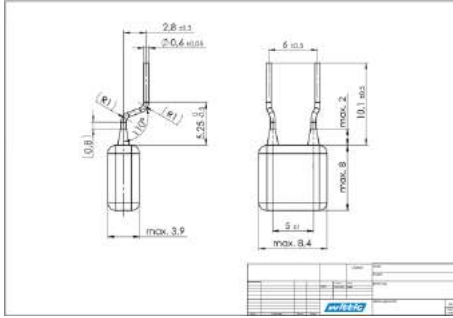
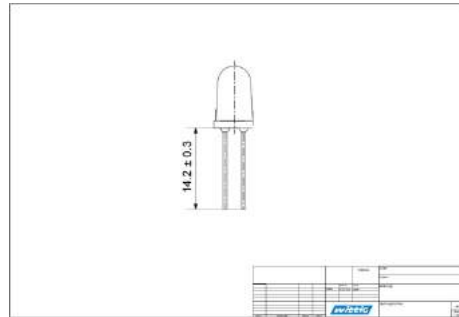
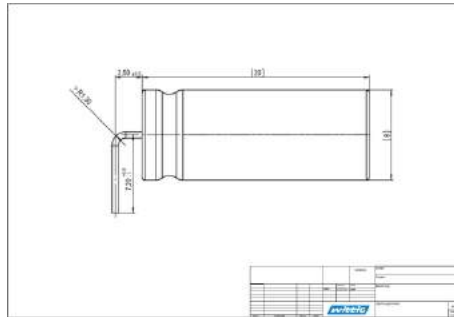
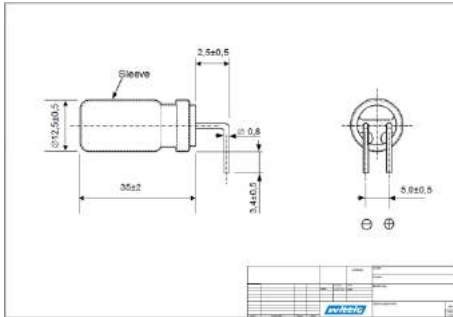
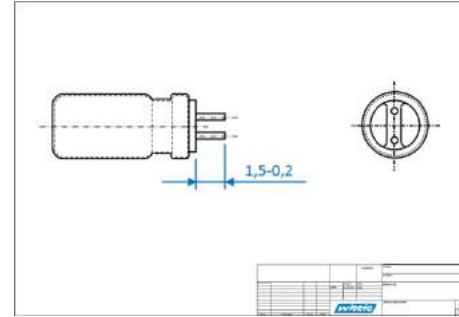
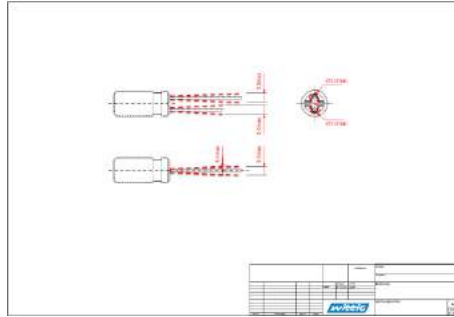
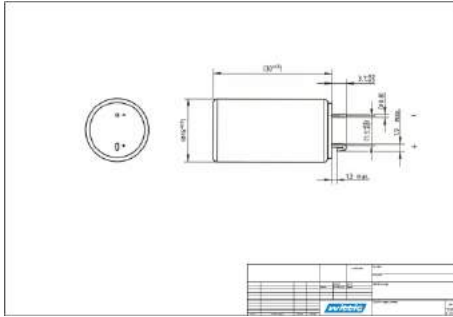
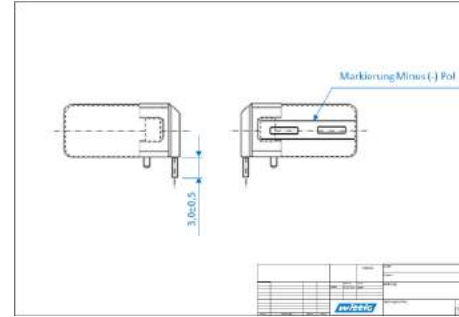
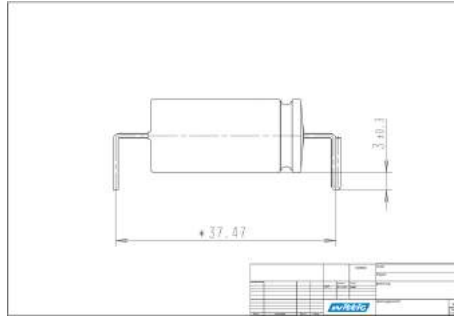
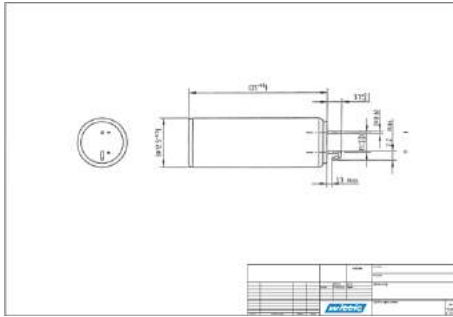
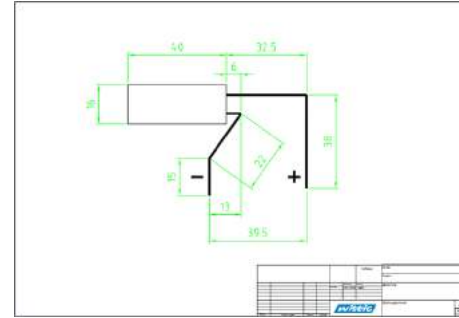
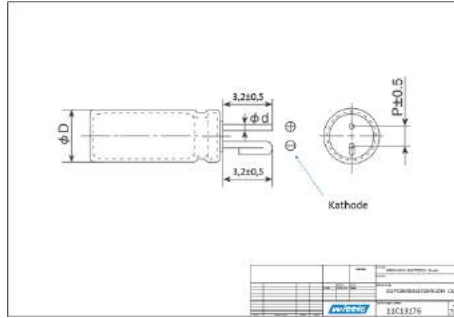
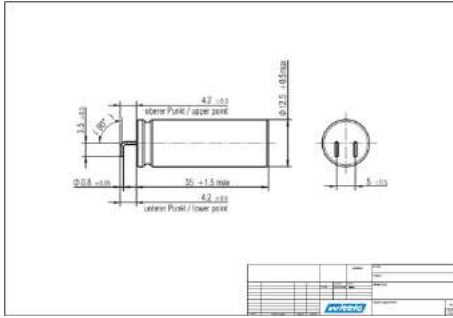
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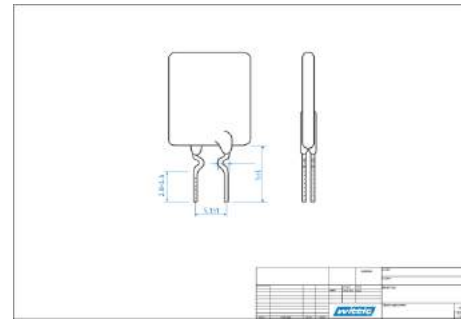
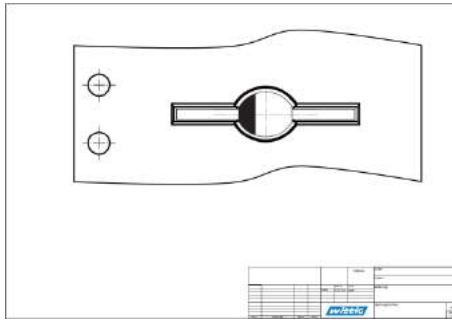
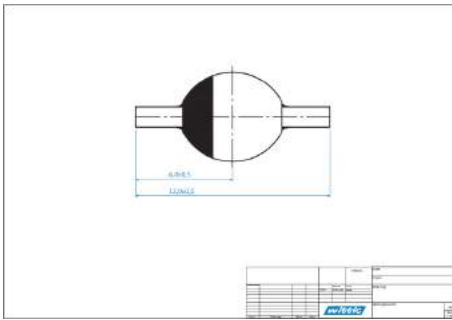
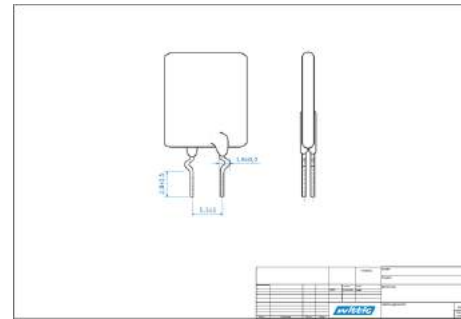
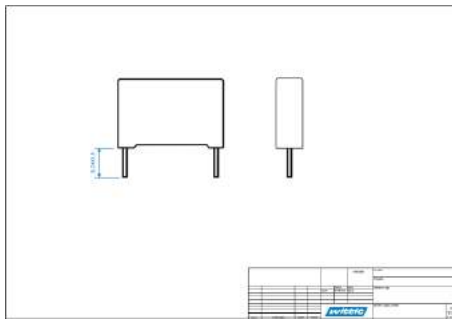
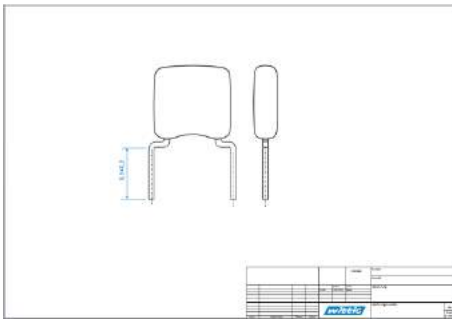
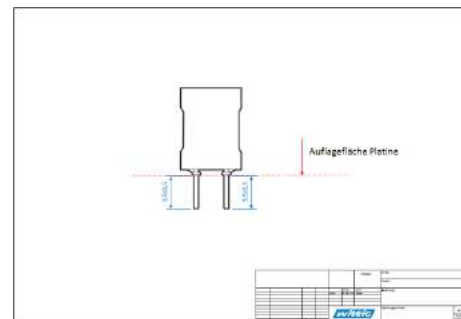
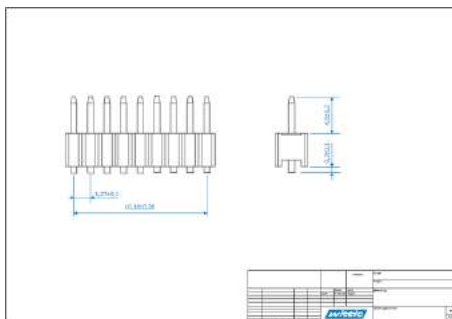
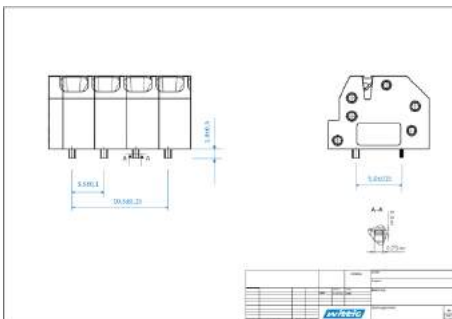
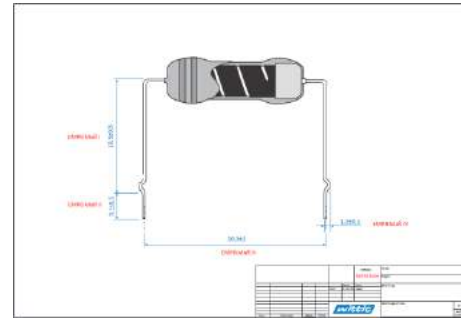
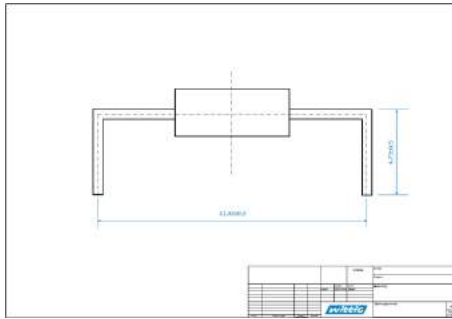
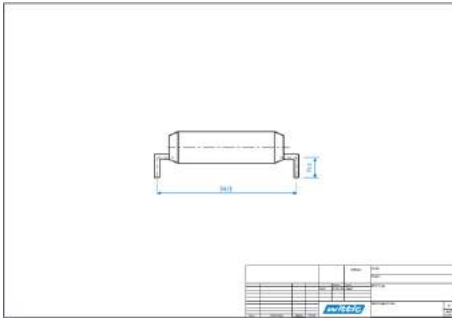
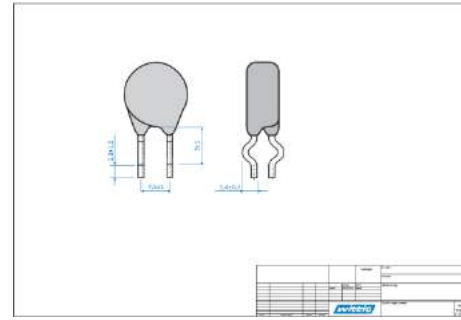
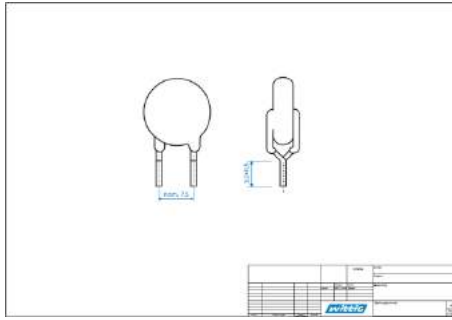
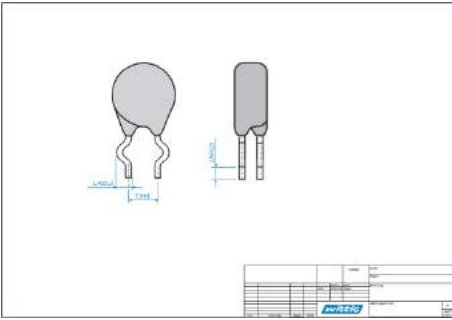
# Examples of Component Modifications



# Examples of Component Modifications



# Examples of Component Modifications



HEADQUARTER

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D-09618 Brand-Erbisdorf

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