



## Product Change Notification

Current Date: 05-Aug-2020

## TE Connectivity

Product Change Notification: P-20-019425

PCN Date: 04-AUG-20

Customer: TTI Inc(0000139702)

Location: WORLDWIDE

Agreement: Agreement Unknown

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

## General Product Description:

HCR150 Relays

## Description of Changes

Second source supplier for raw material used on iron components. This vendor already supplies the same raw material for other product families.

## Other attachments:

[Presentation](#)

## Reason for Changes:

Product improvement. The current Magnetic Iron (RFe) suppliers have revealed difficulties guarantying the volumes/lead times required by TE. To protect and assure TE capability to meet customer demand, we have approved an alternative source supplier of RFe acc. TEC-100-2220 that can be used as alternative.

## Estimated Dates:

Last Order Date (Obsolete Parts Only):

First Date To Ship (Changed Parts Only):

01-JAN-2021

Last Ship Date (Obsolete Parts Only):

Last Date for Mixed Shipments: (Changed Parts Only):

No Mixed Shipments

## Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1393315-1</a>	NO			"V23132B2002B200"			
<a href="#">1-1414476-0</a>	NO						
<a href="#">1-1414632-0</a>	NO						
<a href="#">1393315-2</a>	NO			"V23132A2001A200"			
<a href="#">1393315-9</a>	NO			"V23132B2002A200"			
<a href="#">1416010-1</a>	NO			"V23132-A2001-B200"			
<a href="#">1416010-4</a>	NO						
<a href="#">2-1414939-2</a>	NO			"V23132A2001B200-EV-USBX"			
<a href="#">5-1414968-1</a>	NO			"V23132B2002B200-EV-USBX"			
<a href="#">9-1415001-5</a>	NO			"CZ1474-000"			

Customer: TTI, Inc. ( 1305175 )

Location: Maisach-gernlinden

Agreement Number: TTI001

## Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1393315-1</a>	NO		TYC1-1393315-1	"V23132B2002B200"			
<a href="#">1-1414476-0</a>	NO		TYC1-1414476-0				
<a href="#">1-1414632-0</a>	NO						
<a href="#">1393315-2</a>	NO			"V23132A2001A200"			
<a href="#">1393315-9</a>	NO		TYC1393315-9	"V23132B2002A200"			
<a href="#">1416010-1</a>	NO			"V23132-A2001-B200"			
<a href="#">1416010-4</a>	NO		TYC1416010-4				

Customer: TTI Inc ( 3164508 )

Location: Fort Worth

Agreement Number: Agreement Unknown

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1414632-0</a>	NO						
<a href="#">1393315-2</a>	NO			"V23132A2001A200"			
<a href="#">1393315-9</a>	NO			"V23132B2002A200"			
<a href="#">1416010-1</a>	NO			"V23132-A2001-B200"			
<a href="#">2-1414939-2</a>	NO			"V23132A2001B200-EV-USBX"			
<a href="#">5-1414968-1</a>	NO			"V23132B2002B200-EV-USBX"			
<a href="#">9-1415001-5</a>	NO			"CZ1474-000"			

Customer: TTI Inc ( 1281288 )

Location: Fort Worth

Agreement Number: TTI002

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1393315-2</a>	NO			"V23132A2001A200"			
<a href="#">1393315-9</a>	NO			"V23132B2002A200"			
<a href="#">1416010-1</a>	NO			"V23132-A2001-B200"			
<a href="#">2-1414939-2</a>	NO			"V23132A2001B200-EV-USBX"			
<a href="#">5-1414968-1</a>	NO			"V23132B2002B200-EV-USBX"			

Customer: TTI Inc ( 168830 )

Location: Fort Worth

Agreement Number: Agreement Unknown

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1414632-0</a>	NO						
<a href="#">1393315-2</a>	NO			"V23132A2001A200"			
<a href="#">1393315-9</a>	NO			"V23132B2002A200"			
<a href="#">1416010-1</a>	NO			"V23132-A2001-B200"			
<a href="#">2-1414939-2</a>	NO			"V23132A2001B200-EV-USBX"			
<a href="#">5-1414968-1</a>	NO			"V23132B2002B200-EV-USBX"			
<a href="#">9-1415001-5</a>	NO			"CZ1474-000"			

Customer: TTI, Inc. ( 3057778 )

Location: Maisach-gerlninden

Agreement Number: Agreement Unknown

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1393315-1</a>	NO		TYC1-1393315-1	"V23132B2002B200"			
<a href="#">1-1414476-0</a>	NO		TYC1-1414476-0				
<a href="#">1-1414632-0</a>	NO						
<a href="#">1393315-2</a>	NO			"V23132A2001A200"			
<a href="#">1393315-9</a>	NO		TYC1393315-9	"V23132B2002A200"			
<a href="#">1416010-1</a>	NO			"V23132-A2001-B200"			





# Magnetic Iron (RFe) alternative supplier for HCR 150



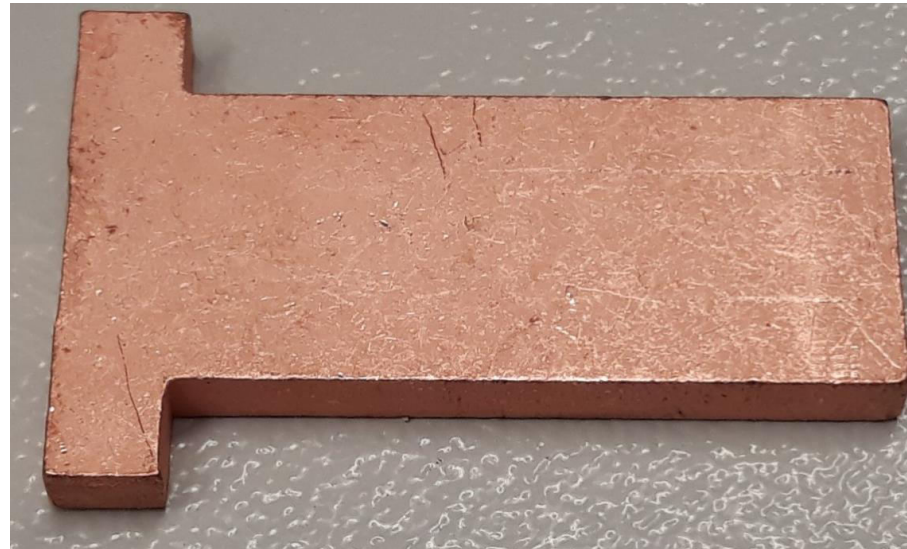
# Magnetic Iron (RFe) alternative supplier for HCR 150

## Acc. TEC-100-2220

Parts are located on the interior of relay, copper plating finished



Frame



Core

No changes in finish, dimensions or other physical properties when using the alternative supplier material.

No change in Form, Fit, Function or Performance.

# Magnetic Iron (RFe) alternative supplier for HCR 150

## Acc. TEC-100-2220

### Reason:

The current RFe suppliers have revealed difficulties guarantying the volumes/lead times required by TE.

To protect and assure TE capability to meet customer demand, we have approved an alternative source supplier of RFe acc. TEC-100-2220 that can be used as alternative.

### Product Validation:

Test	Result
Magnetic Curves	Passed
Damp Heat	Passed
Hot Storage	Passed
Thermal Shock	Passed
Drop Test	Passed
Mechanical Endurance	Passed
Vibration + Shock	Passed