

Listing of PCNs

Introduction

This file contains PCN information for the product(s) referenced by the file name.

Note that the file may contain multiple PCNs. If this is the case, they are arranged in chronological order, so to see the most recent PCN scroll to the end.

General Note



TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Welwyn Components Ltd,
Welwyn Electronics Park, Bedlington,
Northumberland NE22 7AA, UK.
Telephone: +44 (0) 1670 822181
Facsimile: +44 (0) 1670 821437
Email: info@welwyn-tt.com
Website: www.welwyn-tt.com

Welwyn Change Management Contact	
Name	Stephen Oxley
E-mail	stephen.oxley@welwyn-tt.com

Product Change Notification	
Date 28 th September 2009	PCN No R009
Type of Change Notification Value range reduction	Specification Ref (Number + Version) Product Datasheet dated 03.08 http://www.welwyn-tt.com/pdf/datasheet/MFR.PDF
Key Characteristics of the Change Reduction in MFR4 ohmic value range	Customer (to be completed by Sales)
Description of Change (Product Characteristics affected) Upper ohmic value limit of MFR4 will be reduced from 10M to 1M0.	Reason Rationalisation of film resistor range.
Verification N/A	
Change Active from September 2009	
Customer Impact of Change and Recommended Action: Qualify alternative product (see supplementary information.) Last Time Buy orders on withdrawn products will be accepted until 30th November 2009	

Product Affected & Welwyn Order Codes			
Order Codes	Type	Description	QTY
MFR4-xMxl e.g. MFR4-4M7FI	MFR Series	Metal film resistors	All

Approved By: (Print) **Stephen Oxley**
 Sign: 
 Authorised By: (Print) **Barry Peters**
 Sign: 

Title: (Print) **Snr. Applications Engineer**
 Date: **28th November 2009**
 Title: (Print) **Resistor BU Director**
 Date: **28th November 2009**

Supplementary Information

The closest alternative type is high voltage metal film resistor MH25.

<http://www.welwyn-tt.com/pdf/datasheet/MH.PDF>

This matches MFR4 in body size. It exceeds the rating of MFR4 (rated voltages are in the range 500V (1M0) to 1600V (10M) for MH25, compared to 350V for MFR4). The coating material of MH25 is grey flameproof cement, instead of blue lacquer.

Resistors Product Change Notification

PCN Number	PCN-2016-RBU17
PCN Title	CECC Approved SnPb MFR 4 & 5 EOL
PCN Date	11th October 2016
Type of Change	<input checked="" type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <input type="checkbox"/> Material Change <input type="checkbox"/> Process Change <input type="checkbox"/> Design Change
Manufacturing Location(s) Affected	TT electronics Welwyn, UK
Date of Change Implementation	10 th December 2016

Products Affected		
Product Series	Product Type(s)	Datasheet Link
MFR Series – Metal Film Resistors	All CECC approved SnPb MFR 4 & 5	http://www.ttelectronicsresistors.com/datasheets/mfr.pdf
Change Detail		
Description of Change	From May 2017, TT electronics will be manufacturing MFR series product in Mexicali, Mexico. CECC approved MFR4 & 5 parts, with Tin/Lead terminations, will be EOL from 1st May 2017. Note: Tin/Lead coated product is still available without CECC Approval This does not impact RoHs Compliant CECC approved parts	
Reason for Change	MFR4 & 5 parts, with Tin/Lead terminations, will not gain CECC approval to process in the country of Mexico.	
Implementation Plan	TT electronics will notify, via PCN-2016-RBU17, all active MFR 4&5 customers on October 11, 2016. The last time buy date for CECC approved, SnPb MFR 4&5 product is December 10, 2016. TT electronics will build last time orders at their Welwyn facility through the end of April 2017. The last production day of CECC approved MFR 4&5 SnPb product at TT electronics Welwyn will be Friday April 28, 2017.	

Customer Impact	TT electronics will notify customers via PCN-2016-RBU17. Last time buy orders must be placed by December 10 th 2016
Recommendations	NA
Availability of Previously Manufactured Product	NA
Availability of Approval Samples	NA
Sales Contacts	Americas: Mike Graham mike.graham@ttelelectronics.com Asia: Janson Chuen janson.chuen@ttelelectronics.com Europe (EMEA): Klaus Zwerschina klaus.zwerschina@ttelelectronics.com http://www.ttelelectronicsresistors.com/sales.php

Approval			
	Name	Title	Date
Issued by	David Peters	Product Line Manager	11/10/2016
Approved by	Barry Peters	VP R&D	11/10/2016
Approved by	Klaus Zwerschina	Global Sales Director	11/10/2016

Additional Information

NA

Resistors Product Change Notification

PCN Number	PCN-2018-RBU02
PCN Title	End Of Life Notification – Leaded MFR & MFR4P Series
PCN Date	01/05/2018
Type of Change	<input checked="" type="checkbox"/> End of Life Notification <input type="checkbox"/> Material Change <input type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Process Change <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Design Change <input type="checkbox"/> Other:
Manufacturing Location(s) Affected	Mexicali, Mexico & Bedlington, UK
Date of Change Implementation	May 2018

Products Affected		
Product Series	Product Type(s)	Datasheet Link
MFR	MFR4 PB & HL	http://www.ttelectronics.com/sites/default/files/resistors-datasheets/MFR.pdf
	MFR5 PB & HL	http://www.ttelectronics.com/sites/default/files/resistors-datasheets/MFR.pdf
MFR4P	MFR4P	http://www.ttelectronics.com/sites/default/files/resistors-datasheets/MFR4P.pdf

Change Detail	
Description of Change	TT Electronics is declaring the above products and all customer specific variants as EOL. NOTE* This EOL does not impact commercial or professional grade Pb free parts. (part numbers ending "C" or "I")
Reason for Change	Due to declining sales and decreased market demand, these products are no longer economically viable to manufacture
Implementation Plan	Parts are EOL with no last time buy available. TT Electronics no longer have the capability to manufacture these parts
Customer Impact	Parts are EOL with no last time buy available. Pb Free alternatives are still available

Recommendations	N/A
Availability of Previously Manufactured Product	No previously manufactured product is available
Availability of Approval Samples	N/A
Sales Contacts	<p>Americas OEM: Kevin Marzano Kevin.marzano@ttelelectronics.com Europe (EMEA): Peter Bauer Peter.bauer@ttelelectronics.com Asia OEM & Distribution: Janson Chuen janson.chuen@ttelelectronics.com Americas Distribution: Jason Gildea Jason.gildea@ttelelectronics.com Europe (EMEA) Distribution: Claudia Patzak-Kruger Claudia.patzak@ttelelectronics.com</p> <p>http://www.ttelelectronicsresistors.com/sales.php</p>

Approval			
	Name	Title	Date
Issued by	David Peters	Product Line Manager	01/05/2018
Approved by	Barry Peters	VP Product Management and Engineering	01/05/2018