

Dear customer,

Thank you for choosing Eurocircuits as your partner for your PCB and Assembly requirements.

During the analyses of your data, our engineers have found some **Design Rule Check** and/or **Design For Manufacture** issues as listed below that require your attention.

Wherever possible we have proposed a solution, however this may require changing the technology parameters of your order to the values found in your board data. This may have an effect on the cost and/or may also require new data to be uploaded.

Our customer service people are available to help you resolve these issues in the most efficient way possible either by on-line chat, e-mail or telephone.

How to resolve the issues at hand?

Our data preparation engineers will send remarks about your data in two ways:

1. They detect a problem but are confident that they can offer you a solution which will suit you but need to check with you and ask your approval to continue. How to deal with this is explained in the [Pre-production approval](#) chapter on our website.
2. The problem they detect cannot be solved without your explicit help. More intense consultation with you and your approval or action is required. How to deal with this is explained in the [How to Resolve Exceptions](#) chapter on our website.

Should you require assistance, please do not hesitate to contact us. Our general contact details are:

- E-mail - euro@eurocircuits.com
- Chat is on – www.eurocircuits.com
- Phone - +32 15 28 16 30 (Belgian head office – customer service department)

You may also contact your local Eurocircuits office should there be one in your area. [Information is available here.](#)

We will make sure that your question is addressed as soon as possible.

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1. Please check: Suggested Alternative Parts for Out of Stock/Insufficient Stock of Requested Parts

Our engineers have found the following manufacturer part numbers are either out of stock or there is insufficient stock with our standard suppliers.

06036D155KAT2A (C43, C44)

Suggested solution

We would like to suggest using the alternate manufacturer part numbers.

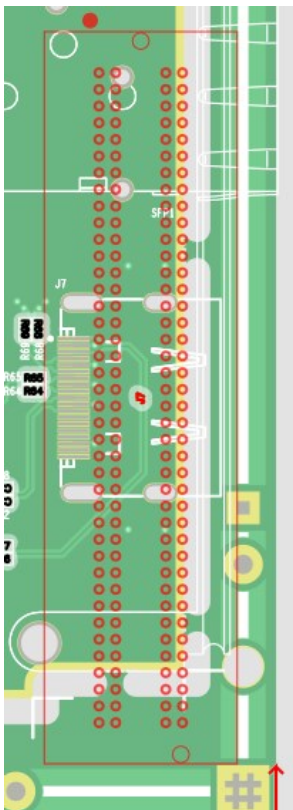
C1608X7R1A155K080AC - 1.5µF 10V Ceramic Capacitor X7R 0603 (1608 Metric)

Please approve the use of these alternatives.

2. Please check: Footprint Defined in the BOM Does Not Match the Gerber Data

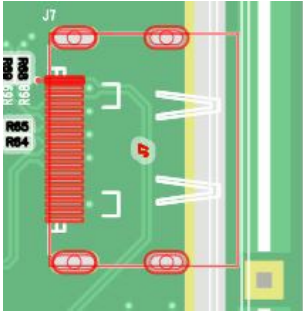
Our engineers have found that the footprint for the following reference designators as specified in your BOM do not match the gerber data. Either the footprint used during PCB layout is incorrect or manufacturer part numbers given in BOM is incorrect..

ASP-134606-01 (J7)



Implemented solution

We would like to suggest using the following manufacturer part number: **HDMR-19-01-S-SM**



Give your approval on line as fast as possible!

The best and fastest way to resolve these data issues is online. Go to www.eurocircuits.com and log into your account. Then proceed as follows:

The image shows two screenshots from the Eurocircuits website. The top screenshot is the 'Pre-production approval overview' page. It has a left sidebar with navigation links like 'Customer Report', 'CALCULATE AND ORDER', 'Order Stencils', 'Shopping basket', 'View running orders', 'Order repeats / view history', 'Pre-production approval overview...', 'Exception overview', 'View shipment reschedule', 'TEST-OK', 'OFF THE SHELF', 'FINANCIAL', and 'MANAGE PROFILE'. The main area is titled 'Pre-production approval overview' and contains sections for 'Review for approval' (with a table of items ready for approval), 'Items in analysis', and a note about analysis completion. A green callout box with blue arrows points to the 'Review for approval' section, stating: 'Click on "Pre-production approval overview". Select the order line you wish to proceed with. Click on "Review for approval"'. The bottom screenshot is the 'PCB Visualizer' interface. It shows configuration options for delivery format, quantity, delivery term, PCB width, height, and material. A green callout box with blue arrows points to the 'Repair details' link in the 'Summary' section, stating: 'Use the "Repair details" link to download this document. To accept the proposed solution(s) and proceed with your order, click on "Approve". To reject the proposed solution(s) click on "Reject ...", you will be asked to enter comments to clarify your rejection. We will review your comments and take the appropriate action to proceed with your order.'

Useful information to achieve "Right First Time for Manufacture":

Right First Time

What does an engineer need to do to achieve "Right First Time for Manufacture" by his preferred partner? [Find out here!](#)

Your DATA

The most favorable data formats for PCB manufacturing are native CAD formats. We accept EAGLE and KiCAD native data. If this is not available, then we prefer Gerber X2 data.

We have summarized all this information [on our website on this page](#).

Design Rules

Eurocircuits provides a high standard of technical information on PCB manufacturing technology and what is required in the design to make it manufacturable.

- Our [PCB Design Guidelines can be found here](#).
- Our [Assembly Guidelines can be found here](#).
- For [EAGLE, Altium and KiCAD we have DRC settings](#) that can be downloaded from our website.

These guidelines are continuously updated as technology and capabilities change. We keep all of our information on our website, giving you easy access to the latest updates.

PCB manufacturing tolerances

We analyse your data in detail as it must be useable for the production process. Any manufacturing process is limited by its tolerances as is PCB manufacturing. Understanding this as a designer will help you to improve your design to achieve "Right First Time for Manufacture". We have written a chapter on our website, "[Understanding Manufacturing Tolerances on a PCB](#)", to help you understand where these tolerances arise from.

Eurocircuits Services

Eurocircuits offers many PCB services which are defined by their base material. All these services are manufactured in-house in Europe by us and are aimed at your prototype and small series requirements:

- [PCB services](#)
- [Assembly services](#)

PCB manufacturing and Assembly under one roof offering a one stop shop coupled with the best suit of online DATA support tools ([PCB Visualizer](#) and [PCBA Visualizer](#)), leads to fast turnaround, Right First Time, On Time and On Budget deliveries to guarantee your best possible time to market.

TECHNICAL TERMS & ABBREVIATIONS [can be found here.](#)

Contact Eurocircuits.

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