



DOCUMENT CHANGE REQUEST

DCR number 1562 Changes required for: General

Date: 2023/05/16

Date sent: 2023/03/23

Status: IMPLEMENTED

Originator: Steve Thacker

Organisation: ESCC Executive
Secretariat

Title: Transistor, Power MOSFET, N-Channel, Rad-Hard based on Type BUY25CS12J-01

Number: 5205/026

Issue: 4

Other documents affected:

5205/027-3, 5205/030-3, 5205/031-2, 5205/032-2, 5205/033-1

Page:

As per attached draft specification mark-ups and below

Paragraph:

As per attached draft specification mark-ups and below

Original wording:

As per current specification issue above

Proposed wording:

Per request from Manufacture, Infineon, to add new Variants, the following changes apply (see each attached specification mark-up for details with changes highlighted yellow):

1) All specifications:

Add various minor editorial changes (see each attached spec mark-up/highlights for details) including:

Simplify the part number listing on the title page. Add internal paragraph cross-references (and correct/add hyperlinks for applicable documents); adjust formatting and page breaks.

2) 5205/026: Title page & Paras. 1.4.2, 1.5, 1.6, 2.4.1, 2.4.2, 2.4.3, 2.5, 2.6, 2.10.2, Appendix A (deviations & additional data)

Add requirements for new Variants 03 & 04.

3) 5205/027: Title page & Paras. 1.4.2, Appendix A (deviations & additional data)

Add requirements for new Variant 02.

4) 5205/030: Title page & Paras. 1.4.2, 1.5, 1.7.1, 1.8, 2.5.1, 2.5.2, 2.6, 2.7, 2.11.2, Appendix A (deviations & additional data)

Add requirements for new Variants 04, 05, 06.

5) 5205/031: Title page & Paras. 1.4.2, 1.5, 1.7.1, 1.7.2, 1.8, 2.1.1.2, 2.4, 2.5.1, 2.5.2, 2.6, 2.7, 2.11.2, Appendix A (deviations & additional data)

Add requirements for new Variants 05, 06, 07, 08.

6) 5205/032: Title page & Paras. 1.4.2, 1.5, 1.7.1, 1.7.2, 1.8, 2.1.1.2, 2.4, 2.5.1, 2.5.2, 2.6, 2.7, 2.11.2, Appendix A



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(deviations)

Add requirements for new Variants 05, 06, 07, 08.

7) 5205/033: Title page & Paras. 1.4.2, 1.5, 1.7.1, 2.4.1, 2.4.2, 2.5, 2.6, 2.10.2, Appendix A (deviations)

Add requirements for new Variants 03, 04.

Justification:

This DCR is raised on behalf of Manufacturer Infineon.

New Variants are added, equivalent to all currently specified Variants due to a change in Fabrication facility and use of a different wafer process (12 inch vs 8 inch).

Note: All currently specified Variants are still available for procurement from Infineon (until approximately 2028)

Attachments:

esc5205032iss_draft_2a_in_review.docx, esc5205027iss_draft3a_in_review.docx,
esc5205026iss_draft4a_in_review.docx, esc5205030iss_draft3a_in_review.docx,
esc5205033iss_draft_2a_in_review.docx, esc5205031iss_draft_2a_in_review.docx

Modifications:

N/A

Approval signature:

Date signed:

2023-05-16