



DOCUMENT CHANGE REQUEST

DCR number		1620		Changes required for: MRB decision		Originator: Steve Thacker	
Date: 2024/02/08				Date sent: 2023/12/21		Organisation: ESCC Executive Secretariat	
Status: IMPLEMENTED							

Title:	Integrated Circuits, Silicon Monolithic, BCD-SOI, 2A Synchronous Rectified Step Down Converter		
Number:	9102/014	Issue:	1

Other documents affected:

Page:

Various; see attached spec mark-up

Paragraph:

Various; see attached spec mark-up and below

Original wording:

As per 9102/014 issue 1

Proposed wording:

Amend supply voltage details when in stand-by condition as follows:
Note: see attached spec mark-up for details of all changes (as highlighted yellow)


Para. 1.5:
Add new rating 'Supply Voltage - Stand-by' up to 15V maximum plus new note 3
Amend existing rating to be 'Supply Voltage - Operating'

Paras 2.3.1, 2.4, 2.9.2,
Amend characteristic names to be consistent with the names in Para. 1.5 as above.
i.e. 'Stand-by Supply Current' (ISB) & 'Operating Supply Current'

Justification:

This DCR is raised on behalf of Manufacturer Space-IC.

This spec change follows the ESCC NRB conclusions (ref. NCCS 2DSIC303)
i.e.
Based on the failure analysis of the NCCS 2DSIC303, the supply voltage capability in standby condition (EN = L) may be limited to 15V depending on the wafer lot and temperature. According to NRB conclusions and decision, the maximum rating in standby condition shall be reduced to 15V in the Detail Spec, while the maximum rating in operating condition remains at 18V.

Attachments:
escc9102014iss_draft_2a_in_review.docx
Modifications:
N/A
Approval signature:

Date signed:
2024-02-08