
Subject: UCESB multi-dimensional array
Posted by [MarcLabiche](#) on Tue, 24 May 2016 15:39:14 GMT
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Hi,

When I try to define an array of dimension higher than 2 in the file STaRTrack.spec that I'm trying to produce for the Si tracker, for example:

```
MEMBER(DATA12 adc[18][2][16][128] ZERO_SUPPRESS);
```

the compilation crashes with the message:
STaRTrack.spec:16: syntax error, unexpected '[', expecting ')'

It seems that only arrays of 1 and 2 dimensions can be defined.

Would it be possible to extend to 4-D array or could you please suggest an alternative ?

Cheers,
Marc

Subject: Re: UCESB multi-dimensional array
Posted by [Hans Törnqvist](#) on Wed, 25 May 2016 09:48:00 GMT
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Hello Marc,

The spec file parser is coded in a way that going beyond 2 dimensions would require a lot of work, and I don't know the rationale behind this. For now, you can combine the first dimensions by e.g. `adc[18 * 2 * 16][128]`. Is it not possible to split this array into smaller module specs?

Subject: Re: UCESB multi-dimensional array
Posted by [MarcLabiche](#) on Wed, 25 May 2016 10:08:13 GMT
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Hi Hans,
ok, thanks.
The mapping will be a bit "less clearer" but I'll try the proposed alternative.
Cheers,
Marc
