

Datasheet Correction: AD converter

We would like to inform customers the corrections of the following datasheets. If you have any questions or require any further information, please contact your local sales office.

1. Products

TMPM341FDXBG, TMPM341FYXBG
TMPM366FDFG, TMPM366FDXBG, TMPM366FYFG, TMPM366FYXBG,
TMPM366FWFG, TMPM366FWXBG
TMPM369FDFG, TMPM369FDXBG, TMPM368FDFG, TMPM368FDXBG,
TMPM367FDFG, TMPM367FDXBG
TMPM365FYXBG
TMPM36BF10FG, TMPM36BFYFG
TMPM462F15FG, TMPM462F10FG, TMPM461F15FG, TMPM461F10FG
TMPM46BF10FG
TMPM440F10XBG, TMPM440FEXBG

2. Correction

The datasheet of these products did not contain below cautions of AD converter.

CAUTION

Please keep the following restrictions and use.

(1) Do not change clock gear during AD converting. And condition is below.

Gear ratio down from 1 :1 to 1 :N (N=2,4,8,16)

(2) Keep frequency ratio between f_{ADCLK} and f_{SYS} as below condition.

$f_{ADCLK} \div f_{SYS} < 5.5$ times

(3) For detection of end of AD conversion, do not use BUSY flag (ADxMOD5 <HPADBF> , <ADBF>). Please use end of conversion flag (ADxMOD5<HPEOCF> , <EOCF>) or use end of conversion interrupt (INTADxHP, INTADx).

(4) When using Top-priority AD conversion with repeat conversion mode (Fixed channel, Channel scan) in parallel , please make the change AD conversion completion interrupt request (INTADx) prohibited before stopping repeat conversion.