

Example of capacitor placement U2B24FCC BGA468

r01an5854ej0110-rh850u2b

Decoupling capacitors

- Capacitor placement and number of capacitors: Please refer page 3 to 4.
 - Capacitors has been kept as close as feasible to the related supply pin.

- Types of capacitors:
 - 0.1uF, 0.22uF, 10uF or higher*1 ceramic capacitor (Low ESR/ESL is required)
 - *1: This is expected value. Please follow the Power IC specification.
 - 10uF 3-terminal ceramic capacitor (Very low ESR/ESL is required)

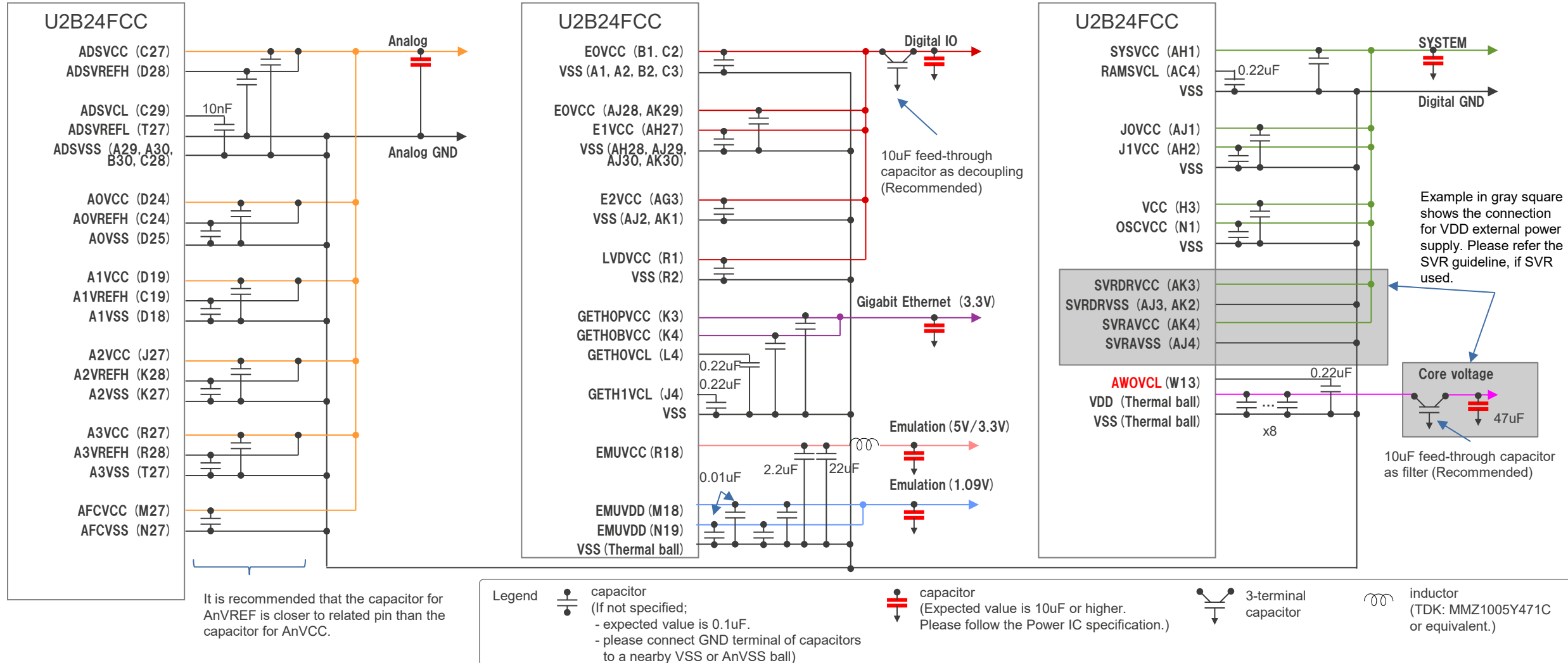
- 3-terminal capacitor
 - 3-terminal capacitor is recommended for reduction of radiation noise.

Example of capacitor placement

U2B24FCC BGA468 **SBMD=1**

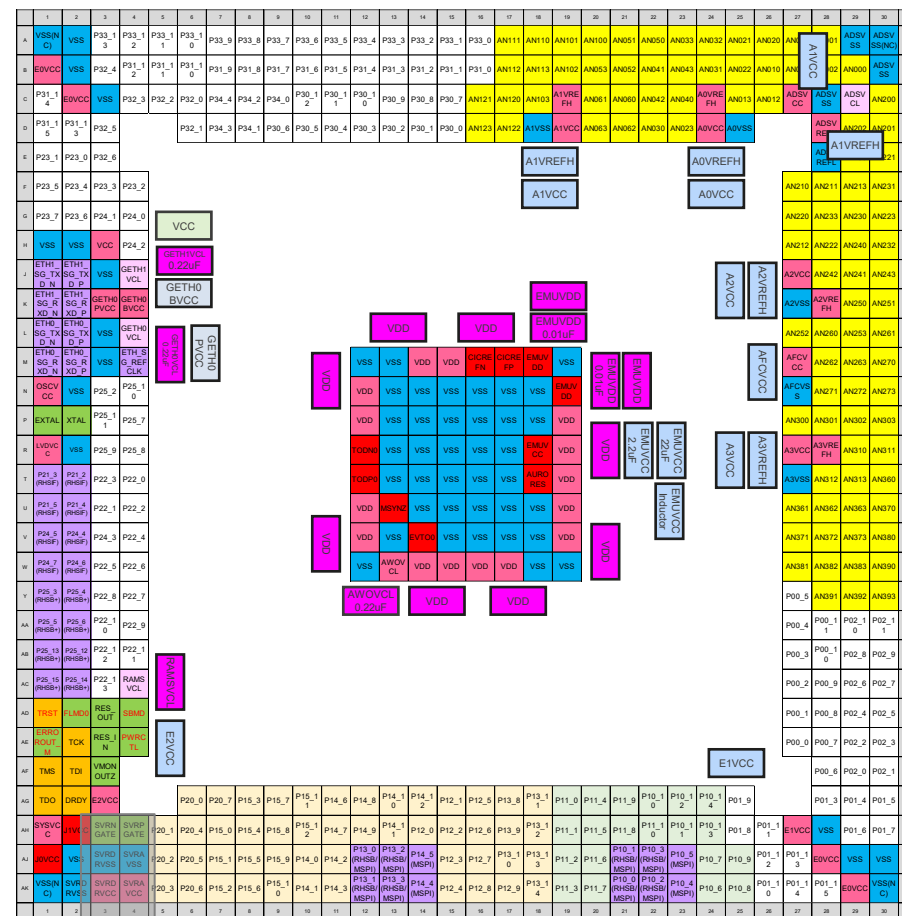
DeepSTOP, AWOVDD Built-in REG Power Supply

Example capacitor connection for BGA468 package.



DeepSTOP, AWOVDD Built-in REG Power Supply

Bottom Layer



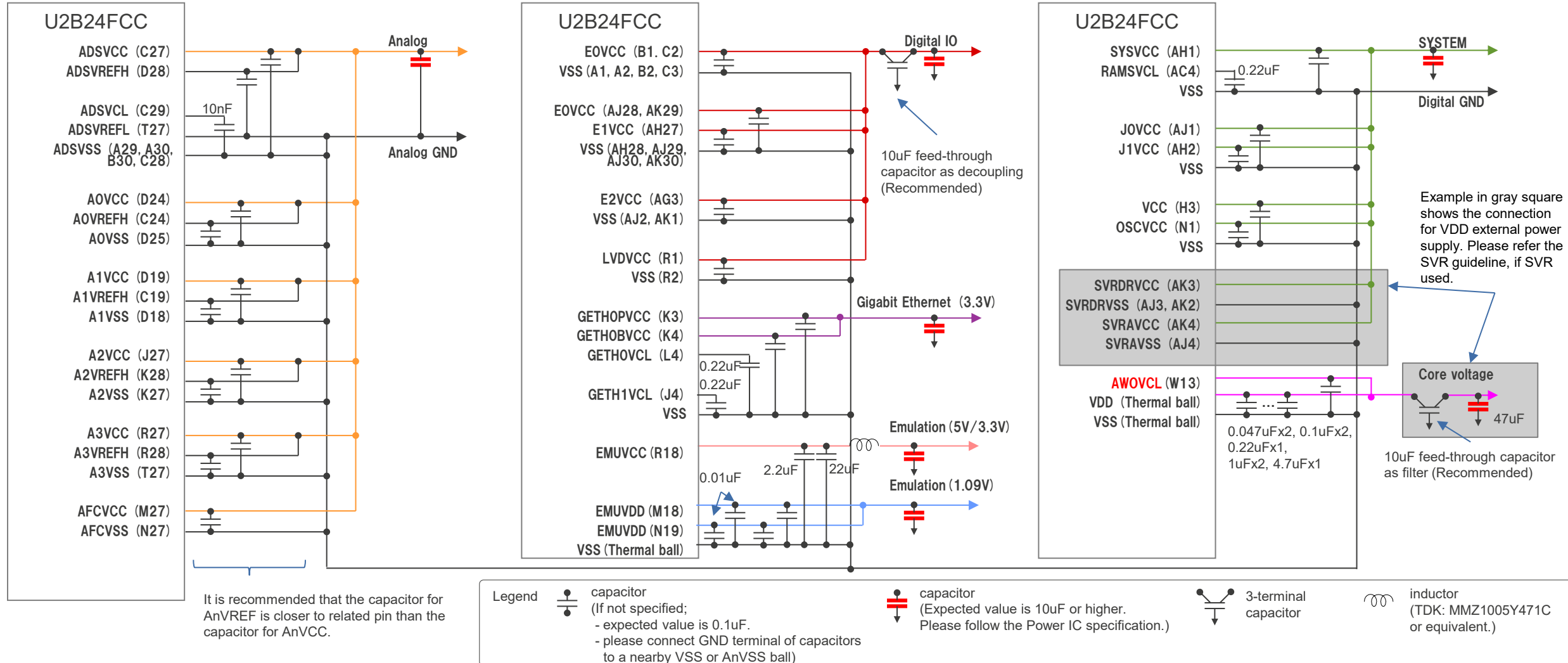
- refer
the SVR
guideline,
if SVR
used.

Example of capacitor placement

U2B24FCC BGA468 **SBMD=0**

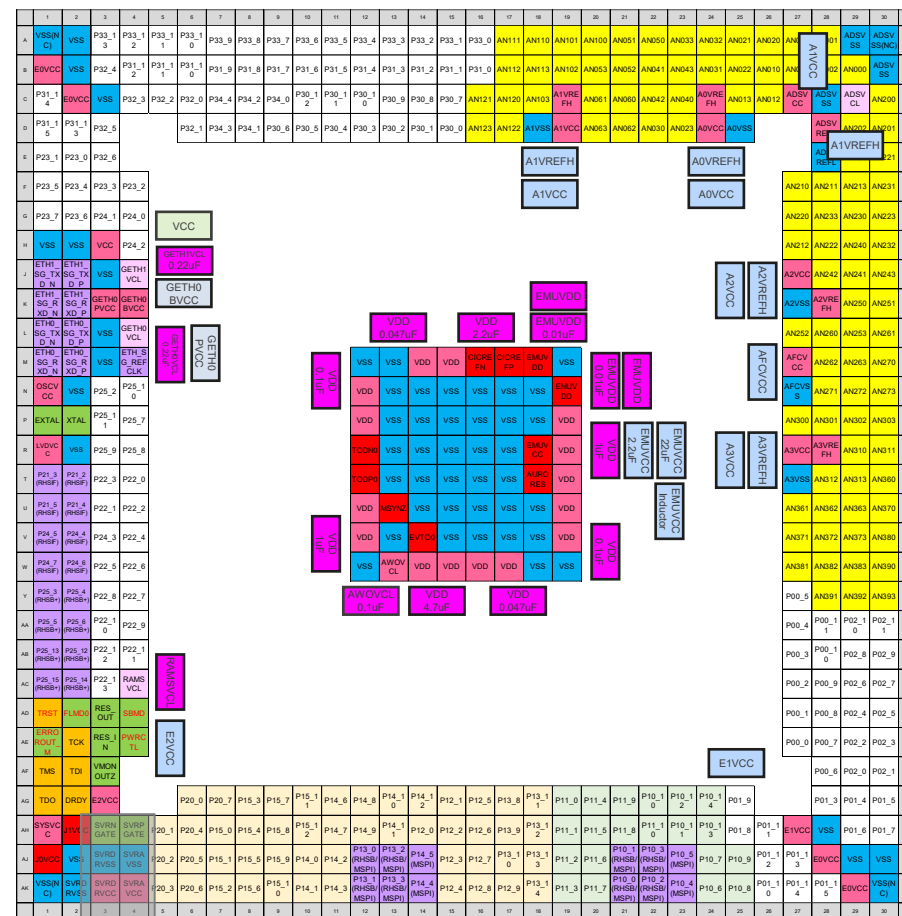
Power off stby, AWOVDD External Power Supply

Example capacitor connection for BGA468 package.



U2B24FCC BGA468 SBMD=0

Example capacitor placement for BGA468 package



Bottom Layer

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