ADVANCED SENSOR INTEGRATIONS

MEMS RESISTIVE ANALOG INTERFACE – AIP-MEMSRINT

FEATURES

- Supply voltage: 2.2V – 3.6V
- Input: 3 pairs of MEMS resistive bridge
- Output: 3 pairs of simultanous outputs
- Current consumption below 1mA
- Output voltage is ratio-metric to VDD
- Offset and gain calibration
- Offset and gain non-volatile storage
- Low noise
- Power-up/down control
- Power-down mode (consumption < 1uA)
- Total core area: NDA required
- Process technology: 0.35um MTP CMOS

OVERVIEW

- A MEMS resistive accelerometer, position or pressure sensor interface.
- 3-pair of inputs, zero-offset and full-scale gain can be calibrated and stored in the embedded memory.
- Automatic loads the stored memory during start up.
- Ideal for low power and portable applications

IP STATUS

- **SILICON VERIFIED**

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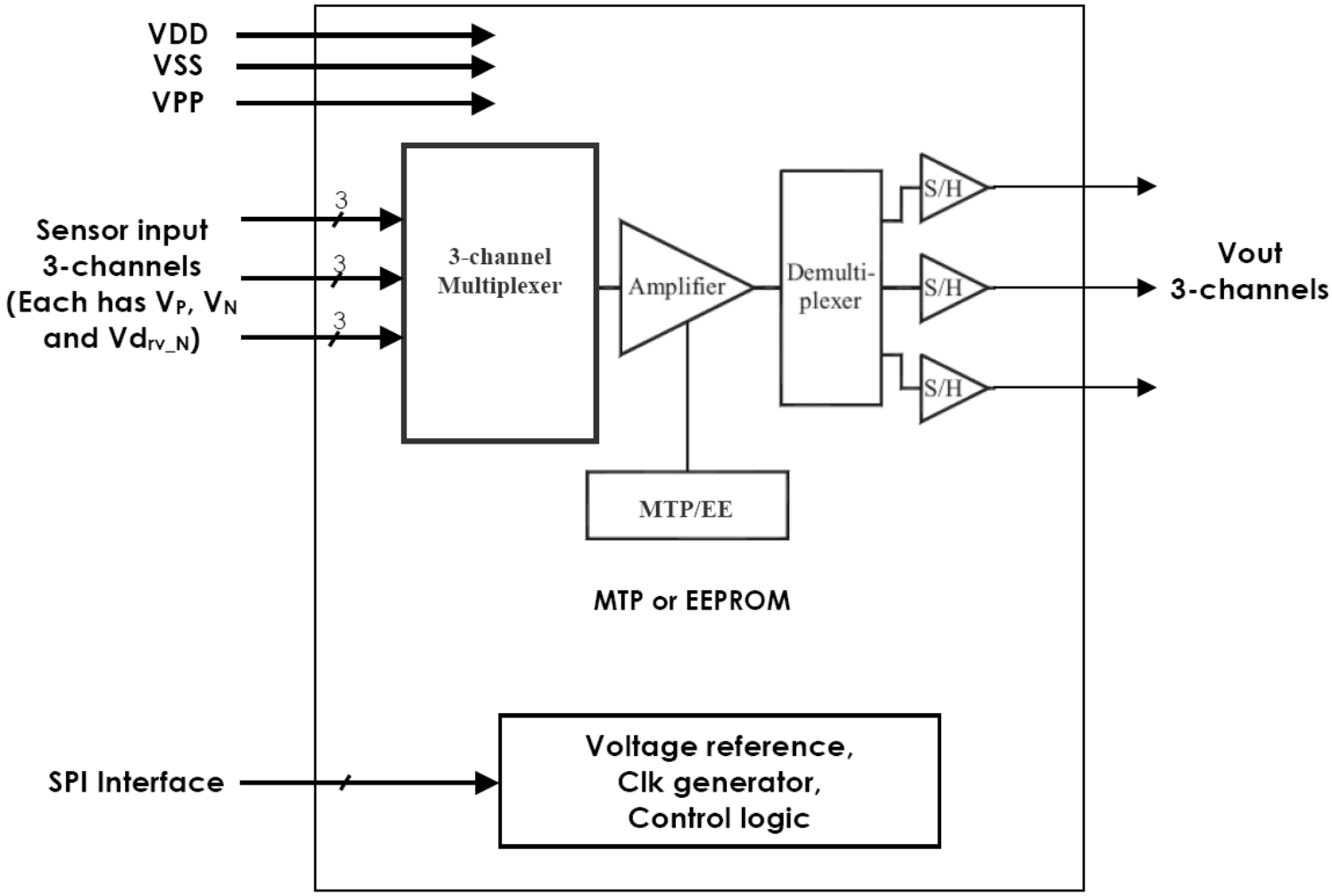

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