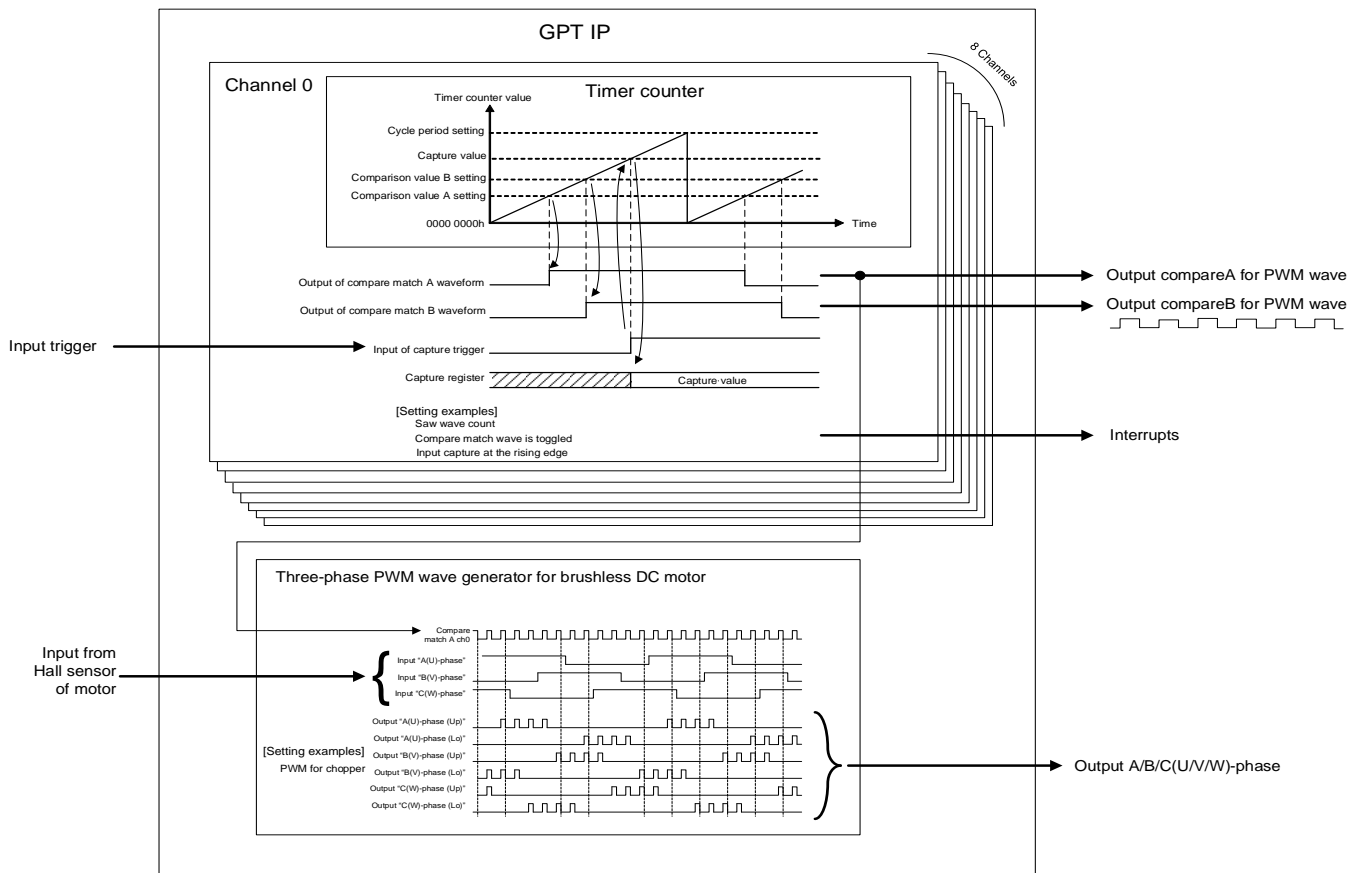RENESAS

32-bit GPT IP
General PWM Timer

Overview

This IP is a general PWM timer consisting of 8-channel 32-bit timer and one 3-phase PWM wave generator for brushless DC motor.
This IP is encrypted RTL.

Key Features

● 32 bits timer counter x 8 channels
- Counter operation(Saw-wave and Triangle-wave)
- Waveform output by compare match(A/B per channel)
- Captures counter value by input trigger

● 3-phase PWM wave generator for brushless DC motor
- PWM output for chopper
- Level output

Note: 3-phase means full wave 6-outputs(A-Up, A-Lo, B-Up, B-Lo, C-Up, C-Lo).
        U/V/W are another names of A/B/C.

2023.1