



Notes:

- 1) Trimmer "R2" and capacitor "C6" are for VCXO fine adjust only; if a TCXO is used, remove "R2" and replace "C6" with a wire jumper.
- 2) For "U2" can be used: 74LS00, 74F00 (TTL standard), 74HCT00, 74AHCT00 (Low consumption CMOS).
- 3) All resistors are 0.25W, all capacitors are MLCC 50V, D2 is 0.5W.
- 4) Jumper "P2" supply modes:
 - 1-2 = ON/Standby mode (with power switch OFF, TCXO remains active for maximum thermal stability)
 - 2-3 = ON/OFF mode (with power switch OFF, TCXO is OFF for power saving in battery operation)

Improved TCXO / VCXO time base for meters and counters PHILIPS "PM66xx" family
Replaces modules: "PM9677", "PM9678", "PM9679", "PM9680"
Designed by Gabriele Monti (GAMON, Electronics)

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File: Oscillator_Fin.sch

Title: PM66xx Oscillator

Size: A4 Date: 09/12/2023 **Rev: 2**

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