







Push-button supervisor control circuit VBUS)-√V2.8 ₹89 10k ₹R10 10k NOTE: SW1: Do not solder shield pin to pad according to datasheet V2.8**)**-GND STM6601CQ2BDM6F GND 12 11 10 × PB_OUT VCC_L0 7 \$R20 10k VCC PTS840ESDPMSMTRLFS -INT VREF SHIELD 4 PSHOLD PS_HOLD> CSRD 6 PB Push button Delay <u>be</u>fore <u>shu</u>tdown when PB and SR are both held low ___ 0.22uF 2.2sec (0.22uF) 3.0sec (0.30uF) 5.0sec (0.50uF) GND GND GND GND

NOTES:

— CSRD cap sets the Smart Reset delay time at 10 s/uF. Recommended capacitor has a low ESR (e.g. ceramic)

— Has a fixed active high EN output, long push deasserts EN, internal pull—up on SR

— Has a fixed power—on lockout voltage at 3.30V and force shut—off at 3.10V

— RSI not used with this configuration, active low and open drain, pull—up resistor added

— PS_HOLD driven low by internal 300kΩ resistor during startup, μC shall drive it high

— PB Has internal 100kΩ pull—up resistor

— SR Has internal 100kΩ pull—up resistor (optional order configuration)

NOTE:
- PS_HOLD pulled up to V2.8 to allow for

production programming when chip is blank After programming, the firmware can pull the signal low to shutdown the LDO

Battery voltage monitoring circuit SSM6L61NU N – Mosfet R16 P-Mosfet ≥ 100k VBATT) -/// R13 100k GND -BM ≷ R15 75k NOTES: - Vout = (Vin*R15)/(R14+R15) - BM = 1.8V @ VBATT = 4.2V GND





