BOTTOM

Designator	Quantity	Comment	Description
C1, C13, C17, C20, C22	5	10nF	10nF 0402 X7R 25V ±5%
C16, C21	2	1nF	1nF 0402 X7R 50V ±10%
C2	1	1uF	1uF 0603 X5R 10V ±10%
C3, C19	2	4.7uF	4.7uF 0603 X5R 10V ±10%
C4, C5, C10	3	100nF	100nF 0402 X7R 16V ±10%
C7, C8	2	22pF	22pF 0402 NP0/CG0 50V ±5%
R1, R3	2	22R	22R 0402 1/16W ±1%
R24	1	390K	390K 0402 1/16W ±1%
R15, R16, R21, R27, R31	5	220K	220K 0402 1/16W ±1%
R20	1	1.5M	1.5M 0402 1/16W ±1%
R4, R8	2	100K	100K 0402 1/16W ±1%
R7, R10, R12	3	10K	10K 0402 1/16W ±1%
U1	1	STM32F051C8U6	STMICROELECTRONICS STM32F051C8U6 MCU 32BIT CORTEX-M0 48
U2	1	AT42QT1070-MMH	Atmel Seven-channel QTouch® Touch Sensor IC
U6, U9	2	TSV991AIQ1T	ST TSV991AIQ1T Rail-to-rail input/output 20 MHz GBP opamp
U7, U10	2	NCS2200AMUT1G	Low Voltage Comparator
Y1	1	7V-16.000MAAE-T	TXC - 7V-16.000MAAE-T, 16MHZ, 30PPM, 12PF - CRYSTAL
J1	1	78171-0003	Molex Pico-EZmate™ Wire-to-Board Header, 3 contacts
J2	1	78171-0002	Molex Pico-EZmate™ Wire-to-Board Header, 2 contacts