

Bill Of Materials for

Project: BRD000669
 Variant: 005
 Description:
 Schematic Version: 001



PN	Quantity	Type	Name	Part Ref.	Description	Manufacturer	Manufacturer Ref.	Package
ST-00195	2	Capacitor/NotPolarized/0603	100nF	C1 C3	Ceramic 100nF capacitor, X7R dielectric, 25V rated voltage, 0603 SMC 2pins	Vishay	VJ0603Y104JXX	0603, SMC 2pins
ST-00209	10	Pad/Pin	PINSMT	P17 P18 P19 P20 P25 P26 P27 P28 P29 P30	1 x 1 pin 1.27x1.27mm. Surface Mount	STMicroelectronics	xxxx	SMT 1x1
ST-00214	4	Resistor/Single	0	R3 R4 R5 R7	Thick film single resistor, 0 Ohm, 0603 package, 5%	Vishay	D11CRCW06032000R0J	0603, SMC 2pins
ST-00220	8	Resistor/Single	47K	R1 R2 R13 R14 R20 R21 R22 R23	Thick film single resistor, 47K Ohm, 0603 package, 5%	Vishay	D11CRCW060320047KJ	0603, SMC 2pins
ST-00226	2	Resistor/Single	4.7K	R68 R69	Thick film single resistor, 4,7K Ohm, 0603 package, 5%	Vishay	D11CRCW060320047J	0603, SMC 2pins
ST-01012	3	Capacitor/NotPolarized/Other	100nF	C10 C14 C15	Ceramic 100nF capacitor, Class 3 Y5V, 25V rated voltage, 0402 SMC 2pins	Vishay	VJ0402V104MXX	0402, SMC 2pins
ST-01510	2	Pad/Pin	VIA	P1 P2	Through hole via for probing or soldering (External diameter 0.61mm hole diameter 0.3mm)	STMicroelectronics	xxxx	via
ST-01693	1	Resistor/Single	4.7K	R45	Thick film single resistor, 4,7K Ohm, 0402 package, 1%	Vishay	CRCW04024K7F100	0402, SMC 2pins
ST-01729	1	Resistor/Single	1K	R46	Thick film single resistor, 1K Ohm, 0402 package, 1%	Vishay	CRCW04021001F	0402, SMC 2pins
ST-01861	1	Resistor/Single/0402	0	R60	Thick film single resistor, 0 Ohm, 0402 package, 1%	Vishay	CRCW04020000Z	0402, SMC 2pins
ST-01877	1	Switch/PushButton/NormallyOpen	smc_pushbutton	PB1	SMT pushbutton black	Diptronics	DTS-MW-66N	specific
ST-01901	1	Power/Supervisor	TPS3838_3V3	U22	Power-On Reset Generator With Selectable Delay Time: 10 ms or 200 ms with Open-Drain RESET# Output.	TI - Texas Instruments	TPS3838K33DBVT	SOT23-5
ST-02009	25	Pad/Strap	Strap_2x1	U1 U2 U5 U6 U7 U8 U10 U11 U14 U15 U17 U18 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U50	2 pins strap. Can be shunt by a solder drop.	STMicroelectronics	Not Applicable	Strap_2x1
ST-02088	3	Pad/Strap	Strap_3x1_mini	U53 U54 U55	3 pins small strap. Can be shunt by a solder drop.	STMicroelectronics	Not Applicable	Strap_3x1_mini
ST-02103	1	Capacitor/NotPolarized/0805	4.7uF	C2	Ceramic 4.7uF capacitor, X5R dielectric, 6.3V rated voltage, very low ESR<0.1 ohm, 0603 SMC 2pins	Murata	GRM188R60J475KE19	0603, SMC 2 pins
ST-02563	1	Connector/Header	HEADER_10X1pins_0,10_Arduino	CN5	10 x 1 pin stackable header, 0.10 pitch, vertical through hole with long legs compatible with Arduino boards. Complete kit	Sparkfun	PRT-11376	Header 10x1, 0.10_Arduino
ST-02564	1	Connector/Header	HEADER_6X1pins_0,10_Arduino	CN8	6 x 1 pin stackable header, 0.10 pitch, vertical through hole with long legs compatible with Arduino boards. Complete kit	Sparkfun	PRT-09280	Header 6x1, 0.10_Arduino
ST-02565	2	Connector/Header	HEADER_8X1pins_0,10_Arduino	CN6 CN9	8 x 1 pin stackable header, 0.10 pitch, vertical through hole with long legs compatible with Arduino boards. Complete kit	Sparkfun	PRT-09279	Header 8x1, 0.10_Arduino
ST-02608	2	Logic/I2C	STMPE1600	U19 U21	GPIO expander (16 GPIOs) controlled by I2C. Package: QFN24.	STMicroelectronics	STMPE1600QTR	QFN24
ST-02620	1	Optic/CMOS Sensor	VL53L3	S1	VL53L3 sensor	STMicroelectronics	VL53L3CXV0DH/1	specific
ST-02718	2	Connector/Socket	SOCKET_5X2pins_0,1	P21 P22	5 x 2 pin socket, 0.10 pitch, vertical, through hole, height = 8.51mm	Samtec	SSQ-105-01-T-D	Socket 5X2, 0.10
ST-02719	1	Optic/Display	N40365	DISPLAY1	Four Characters Common anode Display, Dim:30x14x7.2mm	Kohon Opto Electronics (Shenzh)	N40365_CODE A	specific
ST-02730	28	Resistor/Single/0402	470	R24 R25 R26 R27 R29 R31 R33 R36 R37 R38 R39 R40 R41 R42 R44 R47 R48 R50 R51 R52 R55 R56 R57 R58 R59 R61 R62 R6	Thick film single resistor, 470 Ohm, 0402 package, 1%	Vishay	CRCW04024700F	0402, SMC 2 pins