

Bill Of Materials for Mainboard v1.0n

Design Title Mainboard v1.0n
Author
Document Number
Revision
Design Created giovedì 6 settembre 2018
Design Last Modified domenica 11 novembre 2018
Total Parts In Design 70

0 Modules

Quantity	References	Value	PCB Package
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Sub-totals:

7 Capacitors

Quantity	References	Value	PCB Package
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5	C1,C2,C4,C5,C7	100nF	0805_CAP
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2	C3,C6	18pF	0805_CAP
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Sub-totals:

15 Resistors

Quantity	References	Value	PCB Package
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9	R1,R2,R5,R11,R14,R15,R18,R19,R20	2k2	0805_RES
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1	R3	18k	0805_RES
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1	R7	47k	0805_RES
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1	R8	100	0805_RES
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1	R9	10M	0805_RES
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2	R10,R12	330	0805_RES
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Sub-totals:

1 Integrated Circuits

Quantity	References	Value	PCB Package
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1	U2	PIC18F25K42	SSOP28
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Sub-totals:

0 Transistors

Quantity	References	Value	PCB Package
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Sub-totals:

2 Diodes

Quantity	References	Value	PCB Package
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1	D3	LED	0805
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1	D5	USR_LED	0805
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Sub-totals:

45 Miscellaneous

Quantity	References	Value	PCB Package
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1	BUTTON1	USR_BUTTON1	BUTTON_A
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1	BUTTON2	USR_BUTTON2	BUTTON_A
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1	BUTTON3	USR_BUTTON3	BUTTON_A
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1	BUTTON4	RESET_LINE	BUTTON_A
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2	J1,J2	anxaPic80v4.1 Conn	CON40_2X20
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1	J3	RPi 3 Model B/B+ Conn	CON40_2X20_US_FCI
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1	J4	CONN_CMPS12	CONN-SIL6
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1	J5	Motor Driver Conn2	TRANS 16 DIL
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1	J6	CONN-SIL4	CONN-SIL4
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1	J7	TOFN_Conn	CONN-DIL10
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1	J8	TOFS_Conn	CONN-DIL10
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1	J9	TOFE_Conn	CONN-DIL10
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1	J10	TOFO Conn	CONN-DIL10
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1	J11	Conn_WhiteLine_NORD	XH-JST_CONNECTOR_5
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1	J12	Conn_WhiteLine_SUD	XH-JST_CONNECTOR_5
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1	J13	Conn_WhiteLine_EST	XH-JST_CONNECTOR_5
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1	J14	Conn_WhiteLine_OVEST	XH-JST_CONNECTOR_5
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1	J15	PICKIT_WL	CONN-SIL6
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1	J16	LCD_WL	CONN-SIL4
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1	J18	CONN_BALL	CONN-SIL4
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1	J19	Kicker/Roller	CON10_2X5_US_FCI
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1	J21	RS232/Bluetooth	CONN-SIL6
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1	J23	EXT 12Vin	TBLOCK-M2
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1	J25	12V_MOT2	TBLOCK-M2
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1	J26	12V_ROLLER	TBLOCK-M2
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1	J27	12V_MOT1	TBLOCK-M2
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1	J28	EXT 5Vin	TBLOCK-M2
1	J29	LV	CONN-SIL6
1	J30	HV	CONN-SIL6
1	JP1	JUMPER	CONN-SIL2
1	JP4	RS232#1 TX	CONN-SIL3
1	JP5	RS232#1 RX	CONN-SIL3
1	JP6	CONN1	CONN-SIL3
1	JP7	RS232#2 RX	CONN-SIL3
1	JP8	SDA_I2C	CONN-SIL3
1	JP9	SCL_I2C	CONN-SIL3
1	JP10	CMPS_MODE	CONN-SIL3
1	JP11	RC3	CONN-SIL2
1	JP12	RC4	CONN-SIL2
1	JP13	RD5	CONN-SIL2
1	JP14	RD6	CONN-SIL2
1	JP17	5V INT/ 5V EXT	CONN-SIL3
1	SW2	SWITCH_MOTOR	VERT_SPDT
1	X2	8 MHz	XTAL18

Sub-totals:

Totals:

domenica 11 novembre 2018 13:12:40