

Bill Of Materials for Entrenador PIC16F887

Design Title Entrenador PIC16F887
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Document Number
Revision 1.0
Design Created martes, 30 de mayo de 2017
Design Last Modified martes, 30 de mayo de 2017
Total Parts In Design 75

6 Capacitors

<u>Quantity</u>	<u>References</u>	<u>PCB Package</u>	<u>Value</u>	<u>Unit Cost</u>
1	C1	ELEC-RAD10	1uF	\$4,00
4	C3,C4,C6,C8	CAP25M	100nF	\$2,00
1	C7	ELEC-RAD10	100uF	\$5,00
Sub-totals:				\$17,00

29 Resistors

<u>Quantity</u>	<u>References</u>	<u>PCB Package</u>	<u>Value</u>	<u>Unit Cost</u>
1	R1	RESISTOR 1/4W V	4.7K	\$2,00
1	R2	RESISTOR 1/4W V	10k	\$2,00
2	R3,R4	RESISTOR 1/4W H	100	\$2,00
15	R5,R6,R7,R8,R9,R11,R13,R15,R18,R19,R20,R21,R22,R23,R24	RESISTOR 1/4W V	470	\$2,00
6	R10,R12,R14,R16,R17,R27	RESISTOR 1/8W V	10k	\$2,00
2	R25,R26	RESISTOR 1/8W H	1k	\$2,00
2	R28,R29	RESISTOR 1/8W V	220	\$2,00
Sub-totals:				\$58,00

1 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>PCB Package</u>	<u>Value</u>	<u>Unit Cost</u>
1	U1	DIL40	PIC16F887	\$120,00
Sub-totals:				\$120,00

2 Transistors

<u>Quantity</u>	<u>References</u>	<u>PCB Package</u>	<u>Value</u>	<u>Unit Cost</u>
2	Q1,Q2	TO92	2N2222A	\$5,00
Sub-totals:				\$10,00

9 Diodes

<u>Quantity</u>	<u>References</u>	<u>PCB Package</u>	<u>Value</u>	<u>Unit Cost</u>
1	D1	DIODE30	DIODE	\$2,00
8	D2,D3,D4,D5,D6,D7,D8,D9	LED	LED	\$2,00
Sub-totals:				\$18,00

28 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>PCB Package</u>	<u>Value</u>	<u>Unit Cost</u>
1	B1	PUSHBUTTON	RESET	\$3,00
5	B2,B3,B4,B5,B6	PUSHBUTTON		\$3,00
1	DISP1	7SEGMENTDISPLAY	DISP2	\$15,00
1	DISP2	7SEGMENTDISPLAY	DISP1	\$15,00
1	DSW1	DIPSWITCH-8	DIPSW_8	\$20,00
3	J1,J5,J6	HEADER90-1X10	CONN-SIL10	\$4,00
1	J2	HEADER90-1X7	CONN-SIL7	\$4,00
1	J3	HEADER90-1X2	CONN-SIL2	\$1,00
1	J4	TBLOCK-M2	TBLOCK-M2	\$5,00
1	J7	HEADER-1X9-H	CONN-SIL9	\$4,00
1	J8	HEADER-1X6	ICSP	\$2,00
4	J9,J10,J11,J12	HEADER-1X10	CONN-SIL10	\$4,00
2	JP1,JP2	HEADER-1X3	JUMPER2	\$1,00
1	LCD1	LCD16X2	LM016L	\$120,00

1	RV1	POTENTIOMETER	20k	\$15,00
1	RV2	PRE-SQ1	100K	\$8,00
1	USB1	CON4_1X4_USB_B_AM	USBB	\$35,00
1	USB-TTL	HEADER-1X5-H		\$3,00
Sub-totals:				\$295,00
Totals:				\$518,00

jueves, 15 de junio de 2017 6:08:37 p. m.