

TESLA PROM Programmer Board BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1	2u2	Ceramic capacitor	Low ESR	Murata RCER71H225K2K1H03B RS 841-0758	1
C2	220p	Ceramic capacitor			1
C3	4u7	Ceramic capacitor	Low ESR	Murata RCER71H475K3K1H03B RS 841-0742	1
C4	330p	Ceramic capacitor			1
C5	47uF/16V	Electrolytic capacitor (radial)			1
C6,7,8,9	100n	Ceramic capacitor			4
D1	1N5817	Schottky diode			1
IC1	INS8255	Programmable peripheral interface			1
IC2,4	74LS138	3 to 8-line decoder			2
IC3	74LS00	Quad 2-input NAND			1
IC5	LM2731Y	0.6 MHz Boost converter			1
IC6	74C906	Hex open drain N-channel buffer			1
L1	10uH	Inductor		Wurth WE-TI 744772100 RS 432-4388	1
LK1	0.1" header x 8	Selects board Block	Linked on PCB		0
LK2	0.1" header x 8	Selects board Page	Linked on PCB		0
LK3	0.1" header	VMA	Linked on PCB		0
PL2	DIN 41612 AB 64-way	Right angle plug			1
PL1a	0.1" x 8	Link between main PCB and front panel	Optional ribbon cable		0
PL1b	0.1" x 8	Link between main PCB and front panel	Optional ribbon cable		0
Q1	BC237	NPN transistor			1
Q2	IRF9520	P Channel MOSFET			1
Q3,4,5,6	BFY50	NPN transistor			4
R1,5	47K	250mW resistor			2
R2	39K	250mW resistor			1
R3	27k	250mW resistor			1
R4	120K	250mW resistor			1
R6,7,8,9	3K9	250mW resistor			4
R10,11,12,13	100K	250mW resistor			4
R14,15,16,18,19,20,21	10k	250mW resistor			7
R17	1K0	250mW resistor			1
SK1	16-pin	ZIF Socket		3M Textool	1
IC3,4,5	14 pin	DIL socket			2
IC2,6	16 pin	DIL socket			2
IC1	40 pin	DIL socket			1
Q2	M3 x 6mm	nylon pan head bolt & nut	for Q2 fixing		1