

MVFD 16S8D Panel Rev.2.0

Bill Of Materials

Picture	Position	Supplier/Part Number	Value	Unit price, USD	Qty	Extended price, USD
	R1	DIGIKEY/ PPC.33ACT-ND	0.33	0.48	1	0.48
	R2	DIGIKEY/ 47KQBK-ND	47K	0.1	1	0.1
	R3	DIGIKEY/ 27KQBK-ND	27K	0.1	1	0.1
	R5	DIGIKEY/ 22KQBK-ND	22K	0.1	1	0.1
	R6	DIGIKEY/ CF12JT1K60CT-ND	1K6	0.1	1	0.1
	R7, R8	DIGIKEY/ 18QBK-ND	18	0.1	2	0.2
	R9	DIGIKEY/ CF12JT2K00CT-ND	2K1	0.1	1	0.1

Picture	Position	Supplier/Part Number	Value	Unit price, USD	Qty	Extended price, USD
	R4, R10, R11, R12, R14, R20	DIGIKEY/ 10KQBK-ND	10K	0.1	6	0.6
	R13	DIGIKEY/ 82KQBK-ND	82K	0.1	1	0.1
	R15	DIGIKEY/ 180QBK-ND	180	0.1	1	0.1
	R16, R17	DIGIKEY/ 100QBK-ND	100	0.1	2	0.2
	R18	DIGIKEY/ 33QBK-ND	33	0.1	1	0.1
	R19	DIGIKEY/ 100KQBK-ND	100K	0.1	1	0.1
	C1	DIGIKEY/ UVY1E101MDD-ND	100uF 25V	0.27	1	0.27

Picture	Position	Supplier/Part Number	Value	Unit price, USD	Qty	Extended price, USD
	C2	DIGIKEY/ 399-4186-ND	4700pF 50V	0.33	1	0.33
	C3	DIGIKEY/ 478-7667-ND	1uF 50V	0.76	1	0.76
	C4	DIGIKEY/ 493-1886-ND	1uF 50V	0.24	1	0.24
	C5	DIGIKEY/ 399-9744-ND	560pF 100V	0.42	1	0.42
	C6	DIGIKEY/ 493-1611-ND	270uF 50V	0.67	1	0.67
	C7, C8	DIGIKEY/ 493-1340-ND	47uF 50V	0.27	2	0.54
	C9, C10	DIGIKEY/ 399-9796-ND	0.1uF 50V	0.3	2	0.6

Picture	Position	Supplier/Part Number	Value	Unit price, USD	Qty	Extended price, USD
	L1	DIGIKEY/ AIUR-06-181K-ND	180uH 1.6A	1.03	1	1.03
	BZ1	DIGIKEY/102-1153-ND, SPARKFUN/COM-07950	BUZZER Single Tone 2.048kHz	1.19	1	1.19
	D1	SPARKFUN/ COM-09264	RGB LED 5mm Common Cathode	1.95	1	1.95
	IR1	DIGIKEY/ 751-1227-ND	IR RCVR MOD 38KHZ	1.16	1	1.16
	JP1	DIGIKEY/ 609-5138-ND	14 Positions Header, Unshrouded Connector 0.100"	0.55	1	0.55
	PC1	SPARKFUN/ SEN-09088	Photocell GL5528	1.5	1	1.5
	Q1	DIGIKEY/ DMG2307L-7DICT-ND	MOSFET P-CH 30V 2.5A	0.4	1	0.4

Picture	Position	Supplier/Part Number	Value	Unit price, USD	Qty	Extended price, USD
	U1	DIGIKEY/ 497-7852-1-ND	MC33063	0.54	1	0.54
	U2	DIGIKEY/ LM4871MX/NOPBCT-ND	LM4871	1.52	1	1.52
	U3	EBAY/ HT16515 / PT6315	HT16515 / PT6315	2.66	1	2.66
	VFD1	EBAY/ 20070-1A04	16 Segments 8 Digits VFD	6	1	6
	ZD1	497-7668-1-ND	TMBYV10-40	0.44	1	0.44
Total						25.15