

XR-1000 Keypad Controller Rev 1 Bill of Materials

Item	Qty	Ref	Value	Description / Search Term	Source
1	2	C1, C2	100n	Cap 0805	Farnell
2	1	C3	47u	Electrolytic Cap 5mm dia	Farnell
3	1	D1	LED	Red LED 3mm dia	Farnell
4	2	FB1, FB2	Ferrite Bead	Ferrite 0805 Example is HZ0805E601R-10	Farnell
5	2	J1, J3	52808-1070	10-way 1mm pitch Molex FFC Connector	Farnell or AliExpress
6	1	J2	215297-8	SIL socket 8-way 2.54mm	Farnell or AliExpress
7	2	J4, J6, J7	SIL Pin 18-way 2.54mm	MC34737 or generic pin header snapped to size	Farnell or AliExpress
8	1	J5	53047-0210	2-way PicoBlade Molex	Farnell
9	1	Q1	Si2301	P-ch MOSFET SOT-23 Si2301/FDV304P/IRLML2246	Farnell
10	3	R1, R2, R3	33R	Res 0805	Farnell
11	2	R4, R6	0R	0-ohm link Res 0805	Farnell
12	2	R8, R10	100k	Res 0805	Farnell
13	2	R9, R11	100R	Res 0805	Farnell
14	1	R12	470R	Res 0805	Farnell
15	2	R13, R14	3.3k	Res 0805	Farnell
16	1	U1	Pi Pico module	Module	Farnell
17	1	U2	MAX98357 module	Module	AliExpress
18	1	-	SPC19808	Jumper 2.54mm	Farnell or AliExpress
19	1	LS1	GSP60-0925-TR	GHXAmp 34.8mm*11.2mm*6.0mm Speaker	AliExpress
20	1	-	1182238	4 x 4 Keypad	Farnell or AliExpress
21	2	-	MP-FFCA10101003B	FFC 10-way 1mm opposite sides Flat Flex Cable	Farnell or AliExpress