

PLACEMENT GUIDE FOR M2_fb

<u>Digikey</u>	QTY/board	part #	location	description
Power/Chips	1	179-1025-ND	PB1	(pos/neg) 12V DC/DC converter DFC10U48D12
	1	NJM7805FA-ND	REG1	(pos) 5V regulator
	1	NJM7905FA-ND	REG2	(neg) 5V regulator
	6	DRV134PA-ND	DRV1-DRV6	differential line driver gain=2
	1	INA2137PA-ND	RCV1	differential line driver gain=1/2
	7	LF347N-ND	U1-U7	operational amplifiers
	6	ED3308-ND	DRV1-6	8 pin dip sockets
	8	ED3314-ND	U1-U7, RCV1	14 pin dip sockets
LEDs	6	P374-ND	D5, D6, D9, D10	RED led
	6	P375-ND	D7, D8, D11, D12	GREEN Led
	6	P372-ND	D1, D2, D3, D4	AMBER Led
Capacitors	1	P6298-ND	PC1	220uf capacitor
	2	P5253-ND	PC3, PC2	cap 10uf
	2	P4907-ND	C7,C10	.033uf caps
	2	P4669-ND	C8,C11	.33uF caps
	6	P4675-ND	BC4,BC7,C2,C5,C9,C12	1uF V-series cap
	2	P4525-ND	FC1,FC2	0.1uF V-series cap
	2	P4513-ND	C1,C4	0.01uF V-series cap
	Resistors	2	3296Y-502-ND	POT1,POT2
20		4.99KXBK-ND	R1,R2,R3,R5,R6,R8,R9,R10,R12,R13,R14,R16, R17,R18,R27,R28,R37,R38,R42,R43	4.99 Kohm 1% 1/4W resistor
2		357XBK-ND	R19,R29	357ohm 1% 1/4W resitor
2		402XBK-ND	R22,R32	402 ohm 1% resitor
2		40.2KXBK-ND	R20,R30	40.2 Kohm 1% resitor
2		47.5KXBK-ND	R39,R44	47.5 1% 1/4Watt resistor
2		1.65KXBK-ND	R40,R45	1.65 Kohm 1% 1/4W resistor
12		10.0KXBK-ND	RL1,RL4,RL6,RL8,RL10,RL12,R4,R7,R11,R15,R 21,R31	10 Kohm 1% 1/4 Watt resistor
2		4.42KXBK-ND	R23,R33	4.42 Kohm 1% 1/4 Watt resistor
6		1.00KXBK-ND	R41,R46,R47,R48,R49,R50	1 Kohm 1% resitor
6		100KXBK-ND	RL2,RL3,RL5,RL7,RL9,RL11	100 Kohm 1% 1/4 Watt resistor
Connectors		5	WM4202-ND	JJP1,JJP2,JFP1,JFP2

use silver
to orient
lock

1	WM4203-ND	J4	Waldom 5 pin straight friction header
1	WM4208-ND	J3	Waldom 10 pin straight friction header

Misc

22	5012K-ND	TP1-TP18,GND1-GND4	test points
5		JMP1, JMP2, JMP3, JMP4, between REG2(pin2) and PB1(top left pin)	jumpers

1	WM9915-ND		crimp tool
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NEWARK

1	94F5101	J1	screw header
28	98F3561	BC1-BC30 EXCEPT BC4&BC7	ceramic caps .1uf
0	67F5795		trimmer tool

EMPTY

9		R24, R25, R26, R34,R35,R36,RFF1,RFF2,C3,C6	
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