























Comment	Description	Designator	Footprint	LibRef	Quantity
470uF	Polarized Capacitor (Radial)	C1, C6	CAPA PANA SIZE D*	Cap Pol1	2
		C2, C5, C7, C10,			
		C22_MCP1, C22_MCP2,			
100nF	Canacitor	C32, C42, C92, C102,	cana 1206	Can	14
100111	Capacitor	C104, C108, C110, C111 C3, C8, C21_MCP1,	capa 1206	Cap	14
		C21_MCP2, C31, C33,			
10uF	Capacitor	C34, C35, C36, C41, C91, C101, C103, C109	capa 1206	Cap	14
	Polarized Capacitor				
100uF	(Radial)	C4, C9	CAPA PANA SIZE D*	Cap Pol1	2
		C71_1, C71_2, C71_3, C71_4, C71_5, C71_6,			
		C71_7, C71_8, C71_9,			
		C72_1, C72_2, C72_3, C72_4, C72_5, C72_6,			
10nF	Capacitor	C72_7, C72_8, C72_9	capa 1206	Cap	18
22pF	Capacitor	C105, C106	capa 1206	Cap	2
10uF	Polarized Capacitor (Radial)	C107	CAPA 1206 POL	Cap Pol1	1
	()	Cod_1, Cod_2, Cod_3,			_
Cod		Cod_4, Cod_5, Cod_6,		Cod	9
		Cod_7, Cod_8, Cod_9 Cod_1, Cod_2, Cod_3,		Cod	9
		Cod_4, Cod_5, Cod_6,			
Switch		Cod_7, Cod_8, Cod_9	PEC11R-4xxxF-Sxxxx	Cod	9
RS3B+	Default Diode	D1, D4, D5	SMC Vishay	Diode	3
		D1_1, D1_2, D1_3, D1_4,			
		D2_1, D2_2, D2_3, D2_4, D3_1, D3_2, D3_3, D3_4,			
		D4_1, D4_2, D4_3, D4_4,			
		D5_1, D5_2, D5_3, D5_4, D6_1, D6_2, D6_3, D6_4,			
	Diffused Green 3mm	D7_1, D7_2, D7_3, D7_4,			
LED	LED	D8_1, D8_2, D8_3, D8_4	LED-3mm	LED0	32
GF1B	Default Diode	D2, D3, D6, D7	DO-214AC(SMA)	Diode	4
BAV20W	Default Diode	D51_1, D51_2, D61	Diode SOD-123	Diode	3
MIDI IN Opt	Header, 3-Pin	P IN	MIDI	Header 3	1
Power Input	Header, 2-Pin	PO PO	PWR	Header 2	1
MIDI Out	Header, 3-Pin	P1	MIDI	Header 3	1
Program / Debug	Header, 6-Pin	P2	HDR1X6	Header 6	1
SDAMB-01215BT00		P3		SDAMB-01215BT00	1
560	Resistor	R1	RES 1206	Res1	1
220	Resistor	R2, R4, R101, R102	RES 1206	Res1	4
220	Decistor	R3	RES 1206	Res1	1
Doc.					
330	Resistor	R31, R32, R41, R42,	NES 1200		
DOC	Resistor	R31, R32, R41, R42, R43, R44, R71_1, R71_2,	NES 1200		
330	Resistor	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5,	NES 1200		
330	Resistor	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2,	NE3 1200		
330	RESISTO	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5,	NES 1200		
<u>لاحد</u>	RESISTO	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2,	NC3 1200		
نددد.	Resistor	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2, R73_3, R73_4, R73_5,	11.5 12.00		
<i>ل</i> ادد	Residu	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2, R73_3, R73_4, R73_5, R73_6, R73_7, R73_8,	11.00		
oou.	Residu	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2, R73_3, R73_4, R73_5, R73_6, R73_7, R73_8, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5,	12.00		
		R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_6, R72_7, R72_8, R72_6, R72_7, R72_8, R73_3, R73_4, R73_2, R73_3, R73_4, R73_5, R73_6, R73_7, R73_8, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5,			43
330 10K	Resistor	R31, R32, R41, R42, R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2, R73_3, R73_4, R73_5, R73_6, R73_7, R73_8, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5,	RES 1206	Res1	43
		R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_9, R73_1, R73_2, R72_9, R73_1, R73_2, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_6, R74_7, R74_8, R74_9, R103 R61, R62_R63, R64, R65_R66, R66, R66,			43
		R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2, R73_3, R73_4, R73_5, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_9, R74_1, R74_8, R74_9, R74_1, R74_8, R74_9, R74_1, R74_8, R65, R66, R67_R68,			43
		R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_9, R72_1, R72_2, R72_3, R72_4, R72_5, R73_3, R73_4, R73_5, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_9, R74_1, R74_2, R74_1, R74_2, R74_2, R74_1, R74_2, R			43
		831, 832, 841, 842 843, 844, 871_1, 871_2, 871_3, 871_4, 871_5, 871_6, 871_7, 871_8, 871_9, 872_1, 872_2, 872_3, 872_4, 872_5, 872_9, 873_1, 873_2, 873_9, 873_1, 873_2, 873_6, 873_7, 873_8, 873_6, 873_7, 873_8, 874_4, 874_5, 874_9, 874_1, 874_2, 874_9, 874_1, 874_2, 874_9, 874_1, 874_2, 874_9, 874_1, 874_5, 874_9, 874_1, 874_2, 874_9, 874_8, 874_9, 874_8, 874_9,			43
		R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_9, R72_1, R72_2, R72_3, R72_4, R72_5, R73_3, R73_4, R73_5, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_9, R74_1, R74_2, R74_1, R74_2, R74_2, R74_1, R74_2, R			43
		R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_9, R73_1, R73_2, R72_9, R73_1, R73_2, R73_6, R73_7, R73_8, R73_6, R73_7, R73_8, R73_6, R73_7, R73_8, R73_6, R73_7, R73_8, R74_6, R74_7, R74_8, R74_9, R103 R61, R62_R63, R64, R69, R501_1, R501_2, R502_1, R50_2, R503_1, R503_2, R504_1, R505_2, R504_1, R505_2, R505_1, R505_2, R505_1, R505_2,			43
		831, 832, 841, 842 843, 844, 871_1, 871_2, 871_3, 871_4, 871_5, 871_6, 871_7, 871_8, 871_6, 871_7, 872_8, 872_9, 872_1, 872_2, 872_3, 873_4, 873_5, 873_6, 873_7, 873_8, 873_9, 874_1, 874_2, 874_9, 874_1, 874_2, 875_1, 875_2, 875_1, 87			43
		831, 832, 841, 842 843, 844, 871_1, 871_2, 871_3, 871_4, 871_5, 871_6, 871_7, 871_8, 871_6, 871_7, 871_8, 871_9, 872_1, 872_2, 872_3, 872_4, 872_5, 872_9, 873_1, 873_2, 873_9, 873_1, 873_2, 873_9, 874_1, 874_2, 874_9, 874_1, 874_2, 875_1, 875_2, 875_1, 875			43
10K	Resistor	R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_9, R73_1, R73_2, R73_9, R74_1, R73_5, R73_6, R73_7, R73_8, R74_4, R74_5, R74_6, R74_7, R74_8, R74_9, R103 R61, R62_R63, R64, R65, R66, R67, R68, R69, R501_1, R501_2, R504_1, R504_2, R505_1, R505_2, R506_1, R506_2, R506_1, R506_2, R511_1, R511_2,	RES 1206	Res1	
10K 39k	Resistor Resistor	831, 832, 841, 842 843, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 872, 7, 872, 2, 872, 3, 872, 4, 872, 5, 872, 9, 873, 1, 873, 2, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 874, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874, 2, 874, 9, 103 861, 862, 863, 864, 865, 866, 867, 868, 869, 8501, 1, 850, 2, 8503, 1, 850, 2, 8504, 1, 8504, 2, 8505, 1, 8505, 2, 8506, 1, 8505, 2, 8506, 1, 8505, 2, 8506, 1, 8505, 2, 8506, 1, 8505, 2, 8507, 1, 8507, 2, 8509, 1, 8509, 2, 8501, 1, 8500, 2, 8501, 1, 8505, 2, 8506, 1, 8506, 2, 8507, 1, 8507, 2, 8508, 1, 8508, 2, 8509, 1, 8508, 2, 8508, 1, 8508, 2,	RES 1206	Res1	33
10К 39k 200	Resistor  Resistor  Potentiometer	831, 832, 841, 842 843, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 872, 9, 873, 1, 872, 2, 872, 9, 873, 1, 873, 2, 873, 9, 873, 1, 873, 2, 873, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874, 2, 875, 1, 850, 2, 875, 1, 851, 2,	RES 1206 RES 1206 3313J-1	Res1 Res1 RPot	33 1
10K 39k 200 100	Resistor  Resistor  Potentiometer  Potentiometer	831, R32, R41, R42, R41, R71, R71, R71, R71, R71, R71, R71, R7	RES 1206  RES 1206  3313)-1 3313J-1	Res1 Res1 RPot RPot	33 1 1
10К 39k 200	Resistor  Resistor  Potentiometer	831, 832, 841, 842 843, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 9, 871, 2, 871, 8, 871, 9, 872, 2, 872, 3, 872, 4, 872, 5, 872, 9, 872, 1, 872, 2, 872, 9, 873, 1, 873, 2, 873, 6, 873, 7, 873, 6, 873, 9, 874, 1, 874, 2, 874, 9, 103 861, 862, 863, 864, 865, 866, 867, 868, 869, 8501, 1, 850, 2, 8502, 1, 850, 2, 8503, 1, 850, 2, 8504, 1, 8504, 2, 8505, 1, 8505, 2, 8506, 1, 8506, 2, 8506, 1, 8506, 2, 8506, 1, 8506, 2, 8507, 1, 8507, 2, 8508, 1, 8509, 2, 8501, 1, 8509, 2, 8511, 1, 8511, 2, 8511, 1, 8511, 2, 8511, 1, 8511, 2, 872	RES 1206 RES 1206 3313J-1	Res1 Res1 RPot	33 1
10K 39k 200 100	Resistor  Resistor  Potentiometer  Potentiometer	R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_6, R72_7, R72_8, R72_9, R73_1, R73_2, R72_6, R72_7, R72_8, R72_9, R73_1, R73_4, R73_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_6, R74_7, R74_8, R74_9, R103 R61, R62_R63, R64, R65, R66, R67, R68, R69, R501_1, R501_2, R502_1, R502_2, R503_1, R503_2, R504_1, R506_2, R505_1, R505_2, R506_1, R506_2, R506_1, R	RES 1206  RES 1206  3313)-1 3313J-1	Res1 Res1 RPot RPot	33 1 1
10K 39k 200 100	Resistor  Resistor  Potentiometer  Potentiometer	831, 832, 841, 842, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 9, 872, 9, 873, 1, 872, 4, 872, 9, 873, 1, 873, 2, 873, 6, 873, 7, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874,	RES 1206  RES 1206  3313)-1 3313J-1	Res1 Res1 RPot RPot	33 1 1
10K 39k 200 100	Resistor  Resistor  Potentiometer  Potentiometer	R31, R32, R41, R42 R43, R44, R71_1, R71_2, R71_3, R71_4, R71_5, R71_6, R71_7, R71_8, R71_6, R71_7, R71_8, R72_9, R72_1, R72_2, R72_3, R72_4, R72_5, R72_9, R73_1, R73_2, R73_9, R74_1, R73_2, R73_9, R74_1, R74_2, R74_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_3, R74_4, R74_5, R74_9, R74_1, R74_2, R74_1, R	RES 1206  RES 1206  3313)-1 3313J-1	Res1 Res1 RPot RPot	33 1 1
39k 200 100 10K	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	R31, R32, R41, R42, R41, R41, R71, L1, R71, L2, R41, R47, L4, R71, S1, R71, C4, R72, S1, R72, C4, R72, S1, R72, C4, R72, R72, R72, R72, R72, R72, R72, R72	RES 1206  RES 1206  3313J-1  3313J-1	Res1 RPot RPot RPot RPot	33 1 1 1
10K 39k 200 100	Resistor  Resistor  Potentiometer  Potentiometer	831, 832, 841, 842, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 9, 872, 9, 873, 1, 872, 4, 872, 9, 873, 1, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 8, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874, 9, 874, 1, 874,	RES 1206  RES 1206  3313)-1 3313J-1	Res1 Res1 RPot RPot	33 1 1
39k 200 100 10K	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 9, 872, 9, 872, 9, 872, 9, 872, 9, 873, 1, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 873, 9, 874, 1, 874, 2, 874, 8, 874, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874,	RES 1206  RES 1206  3313J-1  3313J-1	Res1 Res1 RPot RPot RPot SW-PB	33 1 1 1 1
39k 200 10K SW-PB	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842 843, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 9, 872, 1, 872, 2, 872, 3, 872, 4, 872, 5, 872, 9, 872, 1, 872, 2, 872, 9, 873, 1, 873, 2, 873, 9, 874, 1, 874, 2, 874, 9, 103 861, 862, 863, 864, 865, 866, 867, 868, 874, 9, 8701, 1, 850, 2, 8503, 1, 850, 2, 8504, 1, 8504, 2, 8501, 1, 8504, 2, 8501, 1, 8505, 2, 8501, 1, 8501, 2, 8511, 1, 8511, 2, 8511, 1, 8511, 2, 8511, 1, 8511, 2, 8511, 1, 8512, 2	RES 1206  RES 1206 33131-1 33131-1 9AD PIC32MX150F128B-I/SO	Res1 Res1 RPot RPot RPot SW-PB PIC32MX150F128B	33 1 1 1 1 24
39k 200 100 10K SW-PB PIC32MX150F128B NL37W207USG	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842 843, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 2, 872, 3, 872, 4, 872, 5, 872, 6, 872, 7, 872, 8, 872, 9, 873, 1, 873, 2, 873, 6, 873, 7, 873, 8, 873, 6, 873, 7, 873, 8, 874, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874, 2, 875, 1, 880,	RES 1206  RES 1206 3313J-1 3313J-1 3313J-1 PAD PIC32MX150F1288-I/SO NL37WZ07USG	Res1 RPot RPot RPot SW-PB PIC32MX150F128B NL37WZ07USG	24 1
39k 200 100 10K SW-PB PIC32MX150F128B NL37W207USG MCP23S17	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 9, 872, 9, 873, 1, 872, 4, 872, 5, 873, 6, 873, 7, 873, 6, 873, 7, 873, 8, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 873, 9, 873, 1, 874, 9, 873, 9, 873, 1, 874, 9, 873, 1, 874, 9, 873, 1, 874, 9, 873, 1, 874, 9, 873, 1, 873, 2, 873, 1, 873,	RES 1206  RES 1206  3313)-1  3313)-1  3313)-1  PAD  PIC32MX150F128B-I/SO NL37W207U5G MCP23S17-E/SO	Res1 RPot RPot RPot SW-PB PIC32MX150F128B NL37W207USG MCP23S17	24 1 1 24
39k 200 100 10K SW-PB PIC32MX150F128B NL37W207USG MCP23517 HT16K33	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 9, 872, 9, 872, 9, 872, 9, 873, 1, 873, 9, 874, 1, 873, 8, 873, 9, 874, 1, 874, 8, 873, 9, 874, 1, 874, 8, 874, 9, 874, 1, 874, 8, 874, 9, 874, 1, 874, 8, 874, 9, 874, 1, 874, 8, 874, 9, 874, 1, 874, 8, 874, 8, 874, 8, 874, 8, 874, 8, 874, 8, 874, 9, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874, 8, 874, 1, 874,	RES 1206  RES 1206  3313)-1  3313)-1  3313)-1  PAD  PIC32MX150F1288-I/SO  NC923S17-E/SO  HTI6K33 SOP	Res1 RPot RPot RPot RPot RPot RIPOT RPOT RPOT RPOT RPOT RPOT RPOT RPOT R	33 1 1 1 1 1 24 1 1 1 2 2
39k 200 100 10K SW-PB PIC32MX150F128B NL37W207USG MCP23S17 HTI6K33 SST25VF020B	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842, 843, 843, 843, 847, 11, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 6, 871, 7, 871, 8, 871, 8, 872, 9, 872, 9, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 873, 1, 874, 1, 87	RES 1206  RES 1206  3313)-1  3313)-1  3313)-1  PAD  PIC32MX150F128B-I/SO NL37W207U5G MC723S17-E/SO HT16K33 SOP SST25VF020B	Res1  Res1  RPot  RPot  RPot  SW-PB  PIC32MX150F128B  NL37W207U5G  MC7W32S17  HTI6K33  SST25VF020B	24 1 1 2 1 1 1 1
39k 200 100 10K SW-PB PIC32MX150F128B NL37WZ07USG MCP23S17 HT16K33 SST25VF020B LCD-128H064A	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842 843, 844, 871, 1, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 7, 871, 8, 871, 6, 871, 7, 871, 8, 871, 9, 872, 1, 872, 2, 872, 3, 872, 4, 872, 5, 872, 6, 872, 7, 872, 8, 872, 9, 873, 1, 873, 2, 873, 6, 873, 7, 873, 8, 874, 9, 874, 1, 874, 2, 874, 9, 874, 1, 874, 2, 875, 1, 850, 2, 875, 1, 850, 2, 875, 1, 875, 2, 871, 1, 871, 2, 875, 1, 875,	RES 1206  RES 1206 33131-1 33131-1 33131-1 PAD PIC32MX150F1288-I/SO NL37WZ07USG MCP23S17-E/SO HTIGK33 SOP SST25VF0208 LCD-128H064A	Res1 RPot RPot RPot SW-PB PIC32MX150F128B NL37WZ07USG MCP232I7 HT16K33 SST25VF020B LCD-128H064A	24 1 1 2 1 1 2 1 1
39k 200 100 10K SW-PB PIC32MX150F128B NL37W207USG MCP23S17 HTIGK33 SST25VF020B	Resistor  Resistor  Potentiometer  Potentiometer  Potentiometer	831, 832, 841, 842, 843, 843, 843, 847, 11, 871, 2, 871, 3, 871, 4, 871, 5, 871, 6, 871, 6, 871, 7, 871, 8, 871, 8, 872, 9, 872, 9, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 872, 1, 873, 1, 874, 1, 87	RES 1206  RES 1206  3313)-1  3313)-1  3313)-1  PAD  PIC32MX150F128B-I/SO NL37W207U5G MC723S17-E/SO HT16K33 SOP SST25VF020B	Res1  Res1  RPot  RPot  RPot  SW-PB  PIC32MX150F128B  NL37W207U5G  MC7W32S17  HTI6K33  SST25VF020B	24 1 1 1 2 1 1 1