

SKP16C28 SKP Board					BILL OF MATERIALS			Rev. 1.0	DATE
ITEM NO	DNP	DESCRIPTION	Designators	QTY PER	Mfg	Mfg P/N	Vendor	Vendor P/N	PACKAGE TYPE
1									
2		28 MCU	U2	1	Renesas	M30280FAHP			80P6SA
3									
4		Thermistor 10K Ohm	RT1	1	BC Comp	2322 640 66103	Digikey	BC1482-ND	805
5		Pot 10K Ohm	R9,16	2	Bourns	3352P-1-103	Digikey	3352P-103-ND	See Drawing
6									
7		Resistor 680 Ohm	R1,5,6,21	4	Panasonic	ERJ-6GEYJ681V	Digikey	P680ATR-ND	805
8		Resistor 10K Ohm	R2,3,4,7,8,10,11,12,20,22	10	Panasonic	ERJ-6GEYJ103V	Digikey	P10KATR	805
9		Resistor 0 Ohm	R13,14,18,23,24	5	Panasonic	ERJ-6GEY00V	Digikey	P0.0ATR	805
10		Resistor 7.32K	R15	1	Panasonic	ERJ-6ENF7321V		P7.32KCTR-ND	
11		Resistor 100K Ohm	R17	1	Panasonic	ERJ-6GEYJ104V	Digikey	P100KATR	805
12		Resistor 47K Ohm	R19	2	Panasonic	ERJ-6GEYJ473V	Digikey	P47KATR	805
13									
14		Capacitor 2.2 uF 16V	C1	1	Panasonic	ECS-T1CY225R	Digikey	PCS3225TR	EIA-A
15		Capacitor 0.1uF 16V ceramic	C2,3,4,5,8,11	6	Panasonic	ECJ-2VB1C104K	Digikey	PCC1812TR	805
16		Capacitors 18pF 50V ceramic	C6,7	2	Panasonic	ECJ-1VC1H180J	Digikey	PCC180ACVTR	805
17		Capacitors 33pF 50V ceramic	C9,10	2	Panasonic	ECJ-2VC1H330J	Digikey	PCC330CGTR	805
18									
19		Green LED Thru-holle	D3	1	Panasonic	LN38GP		P364-ND	T1
20		Red LED Thru-holle	D1,5	2	Panasonic	LN28RP		P363-ND	T1
21		Yellow LED Thru-holle	D2	1	Panasonic	LN48YP		P365-ND	T1
22									
23		Swtich, Pushbutton	S1,S2,S3	3		EVQ-PAC04M		P8006S-ND	
24		Swtich, Pushbutton	S4	1		EVQ-PUC02K		P10849STR-ND	
25									
26		Diode, Series Schottky	D4	1	Diodes, Inc	BAT54S-7		BAT54SDITR-ND	SOT23
27									
28		2 Pin Header	JP1,2	2	Waldom	22-03-2021		WM4000	
29		Header 5 X 2	J5	1	AMP	103308-1	Digikey	A26267-ND	100 mil
30									
31		Crystal 10 MHz	Y2	1	ECS Inc	ECS-100-18-4		X443-ND	HC-49US
32		Crystal 32 kHz	Y1	1	Citizen	CFS206-32.768KDZF		300-1002-ND	cylinder
33									
34									
35		LCD	LCD1	1	AZ Displays	ACM802B			
36		7X2 Socket	H2	1	Samtec	HLE-107-02-G-DV-TE			100 MIL
37		7X2 Header	H1	1	Samtec	TSW-107-05-F-D			
38									
39									
40									
41		Bump-ons	H3	5	3M	3MSJ5018BLKC	Jameco	142682	See Drawing
42			1 Bump-on applied to back of LCD						
43									
44									
45									
46									
47									
48									
49		2883 SKP Board		1	Renesas	RDECE2883			
50									
51									
52									
53									
54		Test							
55		Assembly Labor					HRS/M		
		* Indicates Do Not Populate							
			Total Board Cost						