

| SKP16C6NCL SKP Board |     |                                |                                  |         | BILL OF MATERIALS |                   |         | Rev. 1.1      | DATE         |
|----------------------|-----|--------------------------------|----------------------------------|---------|-------------------|-------------------|---------|---------------|--------------|
| ITEM NO              | DNP | DESCRIPTION                    | Designators                      | QTY PER | Mfg               | Mfg P/N           | Vendor  | Vendor P/N    | PACKAGE TYPE |
| 1                    |     |                                |                                  |         |                   |                   |         |               |              |
| 2                    |     | 6N MCU                         | U2                               | 1       | Renesas           | M306N4FGTFP       |         |               | 100QFP       |
| 3                    |     |                                |                                  |         |                   |                   |         |               |              |
| 4                    |     | Thermistor 10K Ohm             | RT1                              | 1       | BC Comp           | 2322 640 66103    | Digikey | BC1482-ND     | 805          |
| 5                    |     | Pot 10K Ohm                    | R9,16                            | 2       | Bourns            | 3352T-1-103       | Digikey | 3352T-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                 | R13,14,18,24,25                  | 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                              | 1       | 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-2VC1H180J     | Digikey | PCC180CNTR-ND | 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            | Digikey | P364-ND       | T1           |
| 20                   |     | Red LED Thru-holle             | D1,5                             | 2       | Panasonic         | LN28RP            | Digikey | P363-ND       | T1           |
| 21                   |     | Yellow LED Thru-holle          | D2                               | 1       | Panasonic         | LN48YP            | Digikey | P365-ND       | T1           |
| 22                   |     |                                |                                  |         |                   |                   |         |               |              |
| 23                   |     | Swtich, Pushbutton             | S1,S2,S3                         | 3       |                   | EVQ-PAC04M        | Digikey | P8006S-ND     |              |
| 24                   |     | Swtich, Pushbutton             | S4                               | 1       |                   | EVQ-PUC02K        | Digikey | P10849STR-ND  |              |
| 25                   |     |                                |                                  |         |                   |                   |         |               |              |
| 26                   |     | Diode, Common Cathode Schottky | D4                               | 1       | Diodes, Inc       | BAT54C-7          | Digikey | BAT54CDITR-ND | SOT23        |
| 27                   |     |                                |                                  |         |                   |                   |         |               |              |
| 28                   |     | 2 Pin Header                   | JP1,2                            | 2       | Sullins           | PTC02SAAN         | Digikey | S1012-02-ND   |              |
| 29                   |     | Header 5 X 2                   | J7                               | 1       | AMP               | 103308-1          | Digikey | A26267-ND     | 100 mil      |
| 30                   |     |                                |                                  |         |                   |                   |         |               |              |
| 31                   |     | Crystal 16 MHz                 | Y2                               | 1       | ECS Inc           | ECS-160-20-4      | Digikey | X176-ND       | HC-49US      |
| 32                   |     | Crystal 32 kHz                 | Y1                               | 1       | Citizen           | CFS206-32.768KDZF | Digikey | 300-1002-ND   | cylinder     |
| 33                   |     |                                |                                  |         |                   |                   |         |               |              |
| 34                   |     | Test Point, Black              | TP1                              | 1       | Keystone          | 5011.00           | Digikey | 5011K-ND      | See Drawing  |
| 35                   |     | LCD                            | LCD1                             | 1       | AZ Displays       | ACM802B           |         |               |              |
| 36                   |     | 7X2 Socket                     | H2                               | 1       | Samtec            | SLW-107-01-T-D    |         |               | 100 MIL      |
| 37                   |     | 7X2 Header                     | H1                               | 1       | Samtec            | TLW-107-05-T-D    |         |               |              |
| 38                   |     | 25 X 2 Header                  | J1-J2, J4-J5                     | 2       | Sullins           | PTC25DAAN         | Digikey | S2012-25-ND   | 100 MIL      |
| 39                   |     |                                |                                  |         |                   |                   |         |               |              |
| 40                   |     | Shunts                         | For item 28                      | 2       | Sullins           | STC02SYAN         | Digikey | S9000-ND      | 100 MIL      |
| 41                   |     | Bump-ons                       | H3                               | 1       | 3M                | 3MSJ5018BLKC      | Jameco  | 142682        | See Drawing  |
| 42                   |     |                                | 1 Bump-on applied to back of LCD |         |                   |                   |         |               |              |
| 43                   |     |                                |                                  |         |                   |                   |         |               |              |
| 44                   |     |                                |                                  |         |                   |                   |         |               |              |
| 45                   |     |                                |                                  |         |                   |                   |         |               |              |
| 46                   | *   | Do Not Populate                | R18                              |         |                   |                   |         |               |              |
| 47                   |     |                                |                                  |         |                   |                   |         |               |              |
| 48                   |     |                                |                                  |         |                   |                   |         |               |              |
| 49                   |     | PC Board                       |                                  | 1       | Renesas           | RDECE2662P        |         |               |              |
| 50                   |     |                                |                                  |         |                   |                   |         |               |              |
| 51                   |     |                                |                                  |         |                   |                   |         |               |              |
| 52                   |     |                                |                                  |         |                   |                   |         |               |              |
| 53                   |     |                                |                                  |         |                   |                   |         |               |              |
| 54                   |     |                                |                                  |         |                   |                   |         |               |              |
| 55                   |     |                                |                                  |         |                   |                   |         |               |              |
|                      |     | * Indicates Do Not Populate    |                                  |         |                   |                   |         |               |              |