

| SKP16C26 Board |     |                             |                           |         | BILL OF MATERIALS Rev. 1.1 |                          | Nov. 6, 2003 |               |              |
|----------------|-----|-----------------------------|---------------------------|---------|----------------------------|--------------------------|--------------|---------------|--------------|
| ITEM NO        | DNP | DESCRIPTION                 | Designators               | QTY PER | Mfg                        | Mfg P/N                  | Vendor       | Vendor P/N    | PACKAGE TYPE |
| 1              |     |                             |                           |         |                            |                          |              |               |              |
| 2              |     | M16C26 MCU                  | IC1                       | 1       | Renesas                    | M20262F8GP (Any D Value) |              |               | 48P6Q        |
| 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              | R13,14,18,24              | 4       | 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-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                   | 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             |     | Switich, Pushbutton         | S1,S2,S3                  | 3       |                            | EVQ-PAC04M               | Digikey      | P8006S-ND     | See Drawing  |
| 24             |     | Switich, Pushbutton         | S4                        | 1       |                            | EVQ-PUC02K               | Digikey      | P10849STR-ND  | See Drawing  |
| 25             |     |                             |                           |         |                            |                          |              |               |              |
| 26             |     | Diode, Series Schottky      | D4                        | 1       | Diodes, Inc                | BAT54S-7                 | Digikey      | BAT54SDITR-ND | SOT23        |
| 27             |     |                             |                           |         |                            |                          |              |               |              |
| 28             |     | 2 Pin Header                | JP1,2                     | 2       | Waldom                     | 22-03-2021               | Digikey      | WM4000        | 100 mil      |
| 29             |     | Header 5 X 2                | J5                        | 1       | AMP                        | 103308-1                 | Digikey      | A26267-ND     | 100 mil      |
| 30             |     |                             |                           |         |                            |                          |              |               |              |
| 31             |     | Crystal 20 MHz              | Y2                        | 1       | ECS Inc                    | ECS-200-20-4             | Digikey      | X439-ND       | HC-49US      |
| 32             |     | Crystal 32 kHz              | Y1                        | 1       | Citizen                    | CFS206-32.768KDZF        | Digikey      | 300-1002-ND   | cylinder     |
| 33             |     |                             |                           |         |                            |                          |              |               |              |
| 34             |     |                             |                           |         |                            |                          |              |               |              |
| 35             |     | LCD                         | LCD1                      | 1       | AZ Displays                | ACM802B                  |              |               | See Drawing  |
| 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           |              |               | 100 mil      |
| 38             |     |                             |                           |         |                            |                          |              |               |              |
| 39             |     |                             |                           |         |                            |                          |              |               |              |
| 40             |     | 0.1 header shunts           | for item 28 (JP1, JP2)    | 2       | Sullins                    | SPC02SYAN                | Digikey      | S9001-ND      |              |
| 41             |     | Bump-ons                    | H3                        | 4       | 3M                         | 3MSJ5018BLKC             | Jameco       | 142682        | See Drawing  |
| 42             |     |                             |                           |         |                            |                          |              |               |              |
| 43             |     |                             |                           |         |                            |                          |              |               |              |
| 44             |     | 62P SKP Board               |                           | 1       | Renesas                    | RDECE2662P               |              |               |              |
| 45             |     |                             |                           |         |                            |                          |              |               |              |
| 46             |     |                             |                           |         |                            |                          |              |               |              |
| 47             |     |                             |                           |         |                            |                          |              |               |              |
| 48             |     |                             |                           |         |                            |                          |              |               |              |
| 49             |     | Test                        |                           |         |                            |                          |              |               |              |
| 50             |     | Assembly Labor              |                           |         |                            |                          | HRS/M        |               |              |
|                |     | * Indicates Do Not Populate |                           |         |                            |                          |              |               |              |
|                |     |                             | <b>Total Board Cost</b>   |         |                            |                          |              |               |              |