

## HEDGHOG\_V\_V01

25/02/23

| Qty | Ref Name   | Description           |
|-----|--|-----------------------|
| 11  | C1-5, C7, C34, C40-41, C74, C83  | 10nF                  |
| 28  | C11-12, C16, C23, C28, C35-36, C38-39, C44-45, C47-48, C51, C57, C59, C66, C75, C87-96 | 10uF                  |
| 2   | C17, C26   | 1pF COG               |
| 1   | C19  | 220nF                 |
| 1   | C20  | 470PF COG             |
| 3   | C29-31   | 1uF                   |
| 3   | C24, C33, C82  | 22nF COG              |
| 2   | C37, C46   | 180pF COG             |
| 2   | C42, C79   | 1nF COG               |
| 3   | C43, C52, C86  | 47nF COG              |
| 30  | C6, C18, C21, C25, C27, C32, C49-50, C53-56, C58, C60-65, C67-73, C76-78, C84          | 100nF                 |
| 4   | C8-9, C13-14   | 20PF COG              |
| 1   | C85  | 47uF                  |
| 1   | D1   | 1N4007                |
| 1   | IC1  | MIC5504-1.8YM5-TR     |
| 1   | IC11   | MCP1825S-3302E/DB     |
| 1   | IC12   | LM7805                |
| 1   | IC13   | IS25LP016D-JNLE-TR    |
| 1   | IC14   | SST39VF1681-70-4I-EKE |
| 2   | IC15-16  | MC44BS373CA           |
| 1   | IC2  | TVP5150AM1PBS         |
| 1   | IC3  | PIC16F18856-I/SS      |
| 1   | IC4  | LD1117S12TR           |
| 1   | IC5  | MCP40D18T-503E/LT     |
| 2   | IC6, IC9   | TS5A3159DCKR          |
| 1   | IC7  | EP2C5T144C8N          |
| 1   | IC8  | THS7314D              |
| 1   | ICSP1  | PIC ICSP HEADER       |
| 6   | L1-2, L4-7   | 1uH 1A                |
| 1   | L3   | 2200NH 130MA          |
| 1   | PL11   | F SOCKET              |
| 4   | PL2, PL7-9   | RCA SOCKET            |
| 1   | PL3  | LCD HEADER            |
| 1   | PL4  | FH12-16S-1SH (55)     |
| 1   | PL6  | power socket 2.1      |
| 27  | R1-4, R8-15, R19, R21-24, R29, R59, R69, R74, R77-78, R80-81 R86-87                    | 10K                   |
| 3   | R16-18   | 1k                    |
| 1   | R26  | 3K3                   |
| 1   | R27  | 15k                   |
| 2   | R30, R39   | 37.4 R                |
| 10  | R31-38, R40, R49   | 5K6, 0.1%             |
| 9   | R42-46, R50-51, R53-54   | 2K8, 0.1%             |
| 6   | R47-48, R55-56, R58, R64   | 75R                   |
| 13  | R5-7, R20, R25, R28, R57, R62-63, R68, R70, R75, R79                                   | 2.2k                  |
| 1   | R52  | 150R                  |
| 3   | R60-61, R71  | 24.9 R                |
| 1   | R65  | 47K                   |
| 1   | R67  | 100k                  |
| 1   | R72  | 56K                   |
| 1   | R73  | 4.7k                  |
| 1   | R76  | 100R                  |
| 4   | R82-85   | NOT USED              |
| 2   | S1-2   | EC11B15242AE          |
| 1   | TR1  | BC856A                |
| 1   | TR3  | BC846A                |
| 1   | U1   | JTAG                  |
| 1   | VR1  | 3306P-1-103           |
| 1   | VR2  | 3306P-1-502           |
| 1   | X1   | Crystal 14.318180MHz  |
| 1   | X2   | Crystal 4MHz          |
| 1   | LCD DISPLAY  | NHD-02161Z-FSY-YBW    |