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| **Qty** | **Part Reference** | **Part Number** | **MFGR** | **Description** | **Footprint** |
| 11 | C1,C2,C6,C10,C11,C12,C13,C14,C15,C16,C17 | JMK105C6105KV-F | Taiyo Yuden | CAP CER 1UF 6.3V 10% X6S 0402 | 0402 |
| 5 | C3,C4,C5,C7,C9 | EMK105B7104KV-F | Taiyo Yuden | CAP CER 0.1UF 16V 10% X7R 0402 | 0402 |
| 1 | C8 | JMK105B7224KV-F | Taiyo Yuden | CAP CER 0.22UF 6.3V 10% X7R 0402 | 0402 |
| 38 | D1-D38 | 1N4148WFL-G3-08 | Vishay | DIODE GP 75V 150MA SOD123FL | SOT123 |
| 1 | D77 | LO Q976-PS-25 | Osram | LED CHIPLED 605NM ORN 0603 SMD | 0603 |
| 1 | LCD1 | NHD-C12832A1Z-FS(RGB)-FBW-3V | Newhaven Display Intl | LCD COG GRAPH 128X32 WH TRANSFL | NHD-C12832A1Z |
| 1 | P2 | USB3110 | Global Connector Technology | MICRO USB, 3.0 TYPE B, RECETPACLE, SMT | USB3\_MICROB |
| 1 | P4 | USB1070 | Global Connector Technology | USB, 3.0 TYPE A, RECETPACLE, SMT | USB3\_AFEMALE |
| 1 | Q1 | TC1264-3.3VDB | Microchip | IC REG LDO 3.3V 0.8A SOT223-3 | SOT-223 |
| 3 | R1,R2,R13 | RK73B1ETTP330J | KOA Speer | Thick Film Resistors - SMD 1/16watts 33ohms 5% | 0402 |
| 1 | R11 | RK73B1ETTP102J | KOA Speer | Thick Film Resistors - SMD 1/16watts 1Kohms 5% | 0402 |
| 1 | R12 | RK73B1ETTP203J | KOA Speer | Thick Film Resistors - SMD 1/16watts 20Kohms 5% | 0402 |
| 3 | R3,R4,R5 | RK73B1ETTP472J | KOA Speer | Thick Film Resistors - SMD 1/16watt 4.7Kohms 5% | 0402 |
| 2 | R6,R7 | RK73B1ETTP101J | KOA Speer | Thick Film Resistors - SMD 1/16watts 100ohms 5% | 0402 |
| 1 | R8 | RK73B1ETTP104J | KOA Speer | Thick Film Resistors - SMD 1/16watt 100Kohms 5% | 0402 |
| 2 | R9,R10 | RK73H1ETTP66R5F | KOA Speer | Thick Film Resistors - SMD 1/16watt 66.5ohms 1% | 0402 |
| 1 | S39 | SKQGAKE010 | ALPS | Tactile Switches 50 mAmps at 12 Volts | TACT\_5.2x5.2 |
| 1 | U1 | MK20DX256VLH7 | Freescale Semiconductor | IC MCU ARM 256KB FLASH 64LQFP | LQFP64 |
| 1 | U2 | IS31FL3731C | ISSI | LED Driver Audio Mod 144 Dot LED Driver, SSOP-28 | SSOP-28 |
| 1 | X1 | NX3225SA-16.000MHZ-STD-CSR-1 | NDK | Crystal 16.0000MHz 15ppm 8pF 50 Ohm -10°C - 75°C Surface Mou | 4-SMD, No Lead (DFN, LCC) |