|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TITLE:** | | OHMv1\_SLAVE\_R0.2\_BOM | | | **Production Qty** | |  |  |  |  | 1 | |  |  |
| **VOIDRON CO.** | | | | | **Assembly Material Cost** | |  |  |  |  | 0 | |  |  |
| **Any Other Charges** | |  |  |  |  | 0 | |  |  |
| **CREATED BY:** | | AS / MK | **FILE:** | OHMv1\_SLAVE\_BOM\_240111 | **Product Cost** | |  |  |  |  | 0 | |  |  |
| **DATE:** | | 11-Jan-2024 | **SHEETS:** | TWO | **Production Cost** | |  |  |  |  | 0 | |  |  |
| **ITEM** | **REF-DES** | **PART TYPE** | **PART CODE** | **DESCRIPTION** | **PINS** | **PACKAGE** | **QTY**  **(x 1)** | **QTY**  **(x N)** | **SOLDER POINTS** | **MFG.** | **MOQ** | **UNIT**  **PRICE** | **ORDER QTY** | **SUB-**  **TOTAL** |
| 1 | R214 R410  R502 R601  R501-Not mount | Resistor | 0E | Resistor SMD 0E 1% 1/10W 0805 | 2 | '0805 | 5 | 5 | 10 | Any |  |  |  |  |
| 2 | C106 C112  C118 C124  C206 C212  C217 C223  C306 C312  C318 C324  C406 C411  C501-507  C601 C603-  618 | Capacitor | 100NF | Ceramic Capacitor 100NF 50V ±10%  0805 | 2 | '0805 | 38 | 38 | 76 | Any |  |  |  |  |
| 3 | C101-104  C107-110  C113-116  C119-122  C201-204  C207-210  C213-215  C218-221  C301-304  C307-310  C313-316  C319-322  C401-404  C407-409 | Capacitor | 100PF | Ceramic Capacitor 100PF 50V ±10% 0805 | 2 | '0805 | 54 | 54 | 108 | Any |  |  |  |  |
| 4 | R101-116  R201-212  R215-218  R301-316  R401-408 | Resistor | 10K | Resistor SMD 10K OHM 1% 1/8W 0805 | 2 | '0805 | 56 | 56 |  | Any |  |  |  |  |
| 5 | R213 R409  R701 | Resistor | 1K | Resistor SMD 1K OHM 1% 1/10W 0805 | 2 | '0805 | 3 | 3 |  | Any |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | C105 C111  C117 C123  C205 C211  C216 C222  C305 C311  C317 C323  C405 C410  C602 | Capacitor | 1UF | Ceramic Capacitor 1UF 50V ±10% 0805 | 2 | '0805 | 15 | 15 |  | Any |  |  |  |  |
| 7 | U601 | Shift Register IC | 74HC595SM96 | 8-bit Shift Register SSOP-16 | 16 | SSOP-16 | 1 | 1 |  | NXP or Any Other |  |  |  |  |
| 8 | U501-507  U603-609 | MUX/DMUX | CD74HC4051PWT | Multiplexer Switch IC CMOS 8-Channel  Analog MUX/DMUX SSOP16 | 16 | SSOP-16 | 14 | 14 |  | Any |  |  |  |  |
| 9 | J701-704 | CONNECTOR | - | FFC/FPC BOTTOM 28POS 1MM RA | 28 | 1MM 28P | 4 | 4 |  | Any |  |  |  |  |
| 10 | J705-706 | CONNECTOR | - | FFC/FPC BOTTOM 30POS 0.5MM RA | 30 | 0.5MM 30P | 2 | 2 |  | Any |  |  |  |  |
| 11 | U101-104  U201-204  U301-304  U401-402 | OP-AMP | MCP604 | OPAMP IC CMOS 4 CIRCUIT SSOP14 | 14 | SSOP-14 | 14 | 14 |  | Any |  |  |  |  |
| 12 | M701-704 | Mounting Hole | '- | '- | 0 | - | 1 | 1 |  | Any |  |  |  |  |
| 13 | U602 | OPAMP | OPA187IDBVR | IC OPAMP ZERO-DRIFT SOT-23 5P | 5 | SOT-23 5P | 1 | 1 |  | Any |  |  |  |  |
| 14 | - | PCB | OHMv1\_SLAVE\_R0.2\_  PCB\_240111 | Two layer 230mm x 50mm FR4 1.6mm thick 35u Cu  black solder mask white legend | 0 | 230mm x 50mm | 1 | 1 | 0 | Any Professional |  |  |  |  |
| **Note**:  1. Please make prototypes before proceeding towards production | | | | | | | | | | | | | | |