## **Bill Of Materials For**

**Design Title** 

**Author** 

**Document Number** 

Revision

**Design Created** sábado, 28 de maio de 2016 **Design Last Modified** terça-feira, 19 de julho de 2016

**Total Parts In Design** 143

| L III IODTITY  | References                                 | <u>Value</u>        | Stock Code Unit Cos            |  |  |  |
|--|--|---------------------|--------------------------------|--|--|--|
| <u>Quantity</u><br>Sub-totals  |  | <u>value</u>        | R\$0,00                        |  |  |  |
| 16 Capa  | acitors                                    |                     |                                |  |  |  |
| Quantity   | References                                 | <u>Value</u>        | Stock Code Unit Cos            |  |  |  |
| 3  | C1,C7,C12                                  | 100uF               |                                |  |  |  |
| 1  | C2   | 100nF               |                                |  |  |  |
| 1  | C3   | 330nF               |                                |  |  |  |
| 2  | C4-C5                                      | 10nF                |                                |  |  |  |
| 5  | C6,C8-C11                                  | 1uF                 |                                |  |  |  |
| 4  | C15-C18                                    | 1nF                 |                                |  |  |  |
| Sub-totals   | SI .                                       |                     | R\$0,00                        |  |  |  |
| 37 Resistors   |  |                     |                                |  |  |  |
| Quantity   | References                                 | <u>Value</u>        | Stock Code Unit Cos            |  |  |  |
| 11   | R1,R18-R23,R30-R33                         | 270                 |                                |  |  |  |
| 8  | R2-R5,R14-R17                              | 1k                  |                                |  |  |  |
| 8  | R6-R13                                     | 100                 |                                |  |  |  |
| 1  | R24  | 120                 |                                |  |  |  |
| 6  | R25,R27-R29,R34-R35                        | 10k                 |                                |  |  |  |
| 1  | R26  | 270k                |                                |  |  |  |
| -  | R36  |                     |                                |  |  |  |
| 1  |  | 20k                 |                                |  |  |  |
| 1  | R37  | 200k                | D#0.00                         |  |  |  |
| Sub-totals   |  |                     | R\$0,00                        |  |  |  |
| 14 Integ   | rated Circuits                             |                     |                                |  |  |  |
| Quantity   | References                                 | <u>Value</u>        | Stock Code Unit Cos            |  |  |  |
| 2  | U2-U3                                      | LM358               |                                |  |  |  |
| 1  | U5   | MAX232              |                                |  |  |  |
| 1  | U6   | MAX487              |                                |  |  |  |
|  | U7,U10-U16                                 | EL817               |                                |  |  |  |
| 8  |  |                     |                                |  |  |  |
| 8<br>1   | U8   | ULN2003A            |                                |  |  |  |
| 1  | U8<br>U9                                   | ULN2003A<br>7805    |                                |  |  |  |
| 8<br>1<br>1<br>Sub-totals  | U9   | ULN2003A<br>7805    | R\$0,00                        |  |  |  |
| 1<br>1<br>Sub-totals   | U9<br>S:                                   |                     | R\$0,00                        |  |  |  |
| 1<br>1<br>Sub-totals<br><mark>0 Transi</mark>  | U9<br>stors                                | 7805                |                                |  |  |  |
| 1<br>1<br>Sub-totals<br>0 Transi<br>Quantity   | U9 stors  References                       |                     |                                |  |  |  |
| 1<br>1<br>Sub-totals<br>0 Transi<br>Quantity<br>Sub-totals                             | stors  References                          | 7805                | Stock Code Unit Cos            |  |  |  |
| 1<br>1<br>Sub-totals<br>0 Transi<br>Quantity<br>Sub-totals<br>22 Diod                  | stors  References S:                       | 7805<br>Value       | Stock Code Unit Cos<br>R\$0,00 |  |  |  |
| 1<br>1<br>Sub-totals<br>0 Transi<br>Quantity<br>Sub-totals<br>22 Diod<br>Quantity      | stors  References  References              | 7805  Value  Value  | Stock Code Unit Cos<br>R\$0,00 |  |  |  |
| 1<br>1<br>Sub-totals<br>0 Transi<br>Quantity<br>Sub-totals<br>22 Diod<br>Quantity<br>8 | stors  References  References  D1-D2,D4-D9 | Value  Value 1N4007 | Stock Code Unit Cos<br>R\$0,00 |  |  |  |
| 1<br>1<br>Sub-totals<br>0 Transi<br>Quantity<br>Sub-totals<br>22 Diod<br>Quantity      | stors  References  References              | 7805  Value  Value  | Stock Code Unit Cos            |  |  |  |

| 54 Miscellaneous |                           |              |            |           |  |  |
|------------------|---------------------------|--------------|------------|-----------|--|--|
| Quantity         | References                | <u>Value</u> | Stock Code | Unit Cost |  |  |
| 2                | J1,J3                     | CONN-SIL8    |            |           |  |  |
| 1                | J2                        | CONN-SIL6    |            |           |  |  |
| 1                | J4                        | CONN-SIL10   |            |           |  |  |
| 9                | J5,J8-J10,J12-J14,J16,J24 | CONN-SIL2    |            |           |  |  |
| 2                | J6,J25                    | SIL-100-15   |            |           |  |  |
| 1                | J7                        | JUMPER_PTH   |            |           |  |  |
| 1                | J11                       | CONN-D9M     |            |           |  |  |
| 8                | J15,J17-J22,J26           | CONN-SIL3    |            |           |  |  |
| 3                | JP1-JP2,JP4               | JUMPER2      |            |           |  |  |
| 4                | JP3,JP5-JP7               | JUMPER       |            |           |  |  |
| 15               | LED1-LED15                | LED PTH      |            |           |  |  |
| 6                | RL1-RL6                   | G5CLE-1-DC12 |            |           |  |  |
| 1                | RV1                       | 50k          |            |           |  |  |
| Sub-totals:      |                           | R\$0,00      |            |           |  |  |
|                  |                           |              |            |           |  |  |
| Totals:          |                           |              |            | R\$0,00   |  |  |

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