**Lista de componentes**

Tarjeta: MagnetDigitizer

Fecha: 14/01/2020

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| **Item** | **Cant.** | **Referencia** | **Descripcion** |
| 1 | 6 | R27,R44,R45,R47,R51,R52 | Resistencia 10 Ohm SMD 0805 |
| 2 | 1 | R57 | Resistencia 30 Ohm SMD 0603 |
| 3 | 8 | R30,**R31,R32**,R40,R53,R54,R55,R56 | Resistencia 100 Ohm SMD 0603 |
| 4 | 7 | R17,R18,R19,R20,R22,R23,R24 | Resistencia 200 Ohm SMD 0603 |
| 5 | 9 | R25,R26,R33,R34,R35,R36,R37,R38,R39 | Resistencia 300 Ohm SMD 0603 |
| 6 | 1 | R48 | Resistencia 1K Ohm SMD 0603 |
| 7 | 10 | R1,R3,R5,R7,R9,R11,R13,R15,R21,R29 | Resistencia 10K Ohm SMD 0603 |
| 8 | 8 | R2,R4,R6,R8,R10,R12,R14,R16 | Resistencia 1M Ohm SMD 0603 |
| 9 | 2 | C49,C50 | Capacitor de cerámico 20 pF SMD 0603 |
| 10 | 1 | C19 | Capacitor de cerámico 22 nF SMD 0603 |
| 11 | 46 | C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13  C14,C15,C17,C18,C20,C21,C23,C26,C28,C29  C30,C31,C33,C37,C39,C42,C44,C45,C46,**C48**,C51  C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C62,**C63** | Capacitor de cerámico 0.1 uF SMD 0603 |
| 12 | 1 | 24 | Capacitor de aluminio 1 uF electrolítico SMD-CAN 4.30mm x 4.30mm |
| 13 | 8 | C16,C22,C25,C27,C32,C34,C47,**C64** | Capacitor de tantalio 10 uF polarizado SMD 1206 |
| 14 | 4 | C35, C36, C40, C41 | Capacitor de aluminio 47 uF electrolítico SMD-CAN 6.60mm x 6.60mm |
| 15 | 2 | C38, C43 | Capacitor de aluminio 100 uF electrolítico SMD-CAN 6.60mm x 6.60mm |
| 16 | 4 | D1, D2, D5, D6 | Diodo TVS bidireccional SMBJ15CA-TR 15V 600W |
| 17 | 2 | D3, D4 | Diodo TVS unidireccional SMLVT3V3 3.3V 600W |
| 18 | 1 | D7 | Diodo Stky PMEG2020AEA,115 20V 2A SMD SOD323 |
| 19 | 1 | F1 | Filtro LC NFE61PT102E1H9L 1000 pF SMD 3-PC |
| 20 | 1 | IC1 | CI Multiplexor 8 x 1 MAX337EAI+ SMD 28SSOP |
| 21 | 2 | IC2, IC3 | CI switch analógico DG419DY+ SOIC8 |
| 22 | 1 | IC4 | CI ADC 2 canales 24bits CS5532-ASZ SSOP20 |
| 23 | 1 | IC5 | CI vref precisión 2.5V LM4040AIM3-2.5+T SOT-23-3 |
| 24 | 1 | IC6 | CI Regulador DC/DC 1W NTA0505MC |
| 25 | 1 | IC7 | CI Regulador +3.3V LP2981IM5X-3.3 SOT23-5 |
| 26 | 1 | IC8 | CI Regulador -3.3V MIC5270-3.0YM5 TR SOT23-5 |
| 27 | 2 | IC9, IC10 | CI Regulador +3.3V LT1121CS8-3.3#PBF SOIC8 |
| 28 | 1 | IC11 | CI Microcontrolador PIC16LF876A-I/SO SOIC28 |
| 29 | 1 | IC12, IC16 | Puerta lógica OR NC7SZ32M5X |
| 30 | 1 | IC13 | IC interface RS232 3-5V MAX3232IDR SOIC16-N |
| 31 | 1 | IC14 | IC interface digital ADUM1400BRWZ-RL SOIC16-W |
| 32 | 1 | IC15 | IC interface digital ADUM1401BRWZ-RL SOIC16-W |
| 33 | 1 | IC17 | IC interface USB FT232RL-REEL SSOP-28 |
| 34 | 1 | GPS\_CONN | Conector SMD 08FMN-SMT-A-TF(LF)(SN) |
| 35 | 1 | SERIAL\_CONN | Conector header IDC 2x5 pines. |
| 36 | 6 | GAP1, GAP2, GAP3, GAP4, GAP5, GAP6 | Supresor de plasma de gas ST CG75L |
| 37 | 5 | **USB\_CON**, GPS\_PPS, LOG, PROG, RST | Headers espadin. |
| 38 | 1 | VIN | Bornera de 2 pines |
| 39 | 1 | INPUT\_CHANNEL | Conector DB25 Hembra para PCB |
| 40 | 1 | XTAL1 | Cristal 4.9152MHz 18pF SMD |
| 41 | 1 | XTAL2 | Cristal 7.3728MHz 20pF SMD |

