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<td>FID1, FID2, FID3</td>
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<td>3 Fiducial mark. There is nothing to buy or mount.</td>
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<td>7 Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead</td>
<td>Screw</td>
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**Q1**: 1
- **Q1**: 20V
- **MOSFET**: P-CH, 20V, 2.4A, SOT-23
- **Function**: FDN282P
- **Manufacturer**: Fairchild Semiconductor
- **Alternate Part Number**: None

**Q1**: 30V
- **MOSFET**: N-CH, 30V, 51A, SGN 5x6mm
- **Function**: SOD 5x6mm
- **Manufacturer**: Texas Instruments
- **Alternate Part Number**: None

**Q4, Q7, Q8, Q9, Q20, Q26, Q30, Q33**: 8
- **Q4**: 100V
- **MOSFET**: N-CH, 100V, 1.7mOhm, DDPAK-7
- **Function**: IPB0171N01S
- **Manufacturer**: Infineon Technologies
- **Alternate Part Number**: None

**Q5, Q6, Q16, Q18, Q22, Q38, Q34, Q41, Q43**: 8
- **Q5**: 100V
- **MOSFET**: N-CH, 100V, 0.244A, SOT-23
- **Function**: ZN702S-T1-E3
- **Manufacturer**: Vishay-Siliconix
- **Alternate Part Number**: None

**Q15, Q25, Q35, Q45, Q46, Q47, Q48, Q49, Q64, Q67, Q68**: 10 30V
- **Transistor**: PNP, 30V, 12A, SMD-8
- **Function**: SMB-8
- **Manufacturer**: ON Semiconductor

- **R1**: 330 Ohm, 1%, 0.1W, 0.003
- **Function**: RC6003FR-07330RL
- **Manufacturer**: Yageo America

**R2**: 1
- **R2**: 39.0k Ohm, 1%, 0.1W, 0.003
- **Function**: RC6003FR-07390KL
- **Manufacturer**: Yageo America

**R3**: 1
- **R3**: 150k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC6063510K0KEA
- **Manufacturer**: Vishay-Dale

**R4**: 1 120k
- **R4**: 120k Ohm, 1%, 0.1W, 0.003
- **Function**: RC6003FR-07120KL
- **Manufacturer**: Vishay-Dale

**R5**: 1
- **R5**: 49.9 Ohm, 1%, 0.1W, 0.003
- **Function**: CRC6063439R0KEA
- **Manufacturer**: Vishay-Dale

**R6**: 1 27k
- **R6**: 27k Ohm, 1%, 0.1W, 0.003
- **Function**: RC6003FR-0727RL
- **Manufacturer**: Yageo America

**R7**: 1
- **R7**: 10k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R8**: 1
- **R8**: 1k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R9**: 1 1k Ohm, 5%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R10**: 1 560 Ohm, 1%, 0.1W, 0.003
- **Function**: RC6003FR-07560RL
- **Manufacturer**: Yageo America

**R11**: 1 3k Ohm, 5%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R12**: 3 1k Ohm, 5%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R13**: 2 1.5k Ohm, 1%, 0.1W, 0.003
- **Function**: RD108BP-150B-75
- **Manufacturer**: Sutsum Co Ltd

**R14**: 50 Ohm, 1%, 0.1W, 0.003
- **Function**: MCR08J2P3000
- **Manufacturer**: Rohm

**R15**: 2 100 Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606310J0RKEA
- **Manufacturer**: Vishay-Dale

**R16**: 8 0.002 Ohm, 1%, 1W, 2512
- **Function**: RJ-6191F2M00
- **Manufacturer**: Panasonic

**R17**: 5 1.0k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R18**: 6 1k Ohm, 5%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R19**: 1
- **R19**: 1.1k Ohm, 1%, 0.1W, 0.003
- **Function**: RC6003FR-0711KL
- **Manufacturer**: Yageo America

**R20**: 8 10k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R21**: 13 1.0k Ohm, 5%, 0.1W, 0.003
- **Function**: CRC606310K0KEA
- **Manufacturer**: Vishay-Dale

**R22**: 4 120 Ohm, 5%, 0.1W, 0.003
- **Function**: CRC6063120J0KEA
- **Manufacturer**: Vishay-Dale

**R23**: 2 0 Ohm, 0.125W, 0.005
- **Function**: CRC6063000Z0KEA
- **Manufacturer**: Vishay-Dale

**R24**: 4 40.2k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606340K2FKEA
- **Manufacturer**: Vishay-Dale

**R25**: 6 1.6k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606316K5FKEA
- **Manufacturer**: Vishay-Dale

**R26**: 4 2.0k Ohm, 1%, 0.1W, 0.003
- **Function**: CRC60632K0FKEA
- **Manufacturer**: Vishay-Dale

**R27**: 15 Ohm, 1%, 0.1W, 0.003
- **Function**: CRC606315K0FKEA
- **Manufacturer**: Vishay-Dale

**R28**: 1 29.7x15.36x27.94mm
- **Junction**: Texas Instruments
- **Manufacturer**: Texas Instruments

**R29**: 1 120fF
- **Function**: 2.9x2x1.9mm
- **Manufacturer**: Alps

**R30**: 1 100fF
- **Function**: 12x12.5mm
- **Manufacturer**: WURTH ELEKTRONIK
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<td>QFN-8</td>
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Notes:
Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.
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