

Bill of Materials — P8X32A QuickStart

Part Number: 40000

Latest Revision: A3

Product Owner: David Carrier

Last Updated: 5/6/2011

| Stock Code | Quantity | Reference Designator | Description | Manufacturer or Supplier | Orderable Part Number | Notes |
|------------|----------|----------------------|--------------------------------|--------------------------|-----------------------|-------|
| 124-40000 | 1 | | Box Sleeve, QuickStart | | | |
| 150-11031 | 5 | R1-R5 | RES,10K,5%,0603 | | | |
| 150-11045 | 1 | R6 | RES,220,5%,0603 | | | |
| 172-01010 | 1 | R7 | RES,100,5%,0603 | | | |
| 172-15007 | 2 | R12-R13 | RES,0 OHM,0603, 1/10W | Digi-Key | RMCF0603ZT0R00TR-ND | |
| 179-10610 | 2 | R8-R9 | RES-NTWK,100K,0612 | Digi-Key | YC164J-100KTR-ND | |
| 179-10611 | 2 | R10-R11 | RES-NTWK,240,0612 | Digi-Key | YC164J-240TR-ND | |
| 210-10001 | 2 | C12-C13 | CAP-CER,10uF,16V,Y5V,1210 | Digi-Key | 445-1597-6-ND | |
| 213-01040 | 10 | C1-C10 | CAP-CER,0.1uF,20%,25V,Y5V,0603 | | | |
| 213-04761 | 1 | C11 | CAP-CER,4.7uF,20%,10V,X5R,060 | | | |
| 251-15000 | 1 | X1 | CRYSTAL 5.000 MHZ 18PF SMD | | | |
| 300-40000 | 1 | | Raw, PCB, QuickStart | | | |
| 350-10001 | 1 | D10 | LED 0603, Super Red Clear-LF | | | |
| 350-10003 | 1 | D11 | LED 0603, Green Clear-LF | | | |
| 350-10004 | 9 | D1-D9 | LED 0603, Blue Clear LF | | | |
| 400-10003 | 1 | S1 | Tact Switch SMD-LF | | | |
| 452-10006 | 1 | J2 | CON,USB Mini-B,SMD | | | |
| 452-11001 | 1 | J1 | COM-HDR,2X20,SMD,0.1" | Digi-Key | 68046-620LF-ND | |
| 500-10011 | 1 | Q2 | MOSFET P-CH 20V 3.7A SOT-23 | | | |
| 500-10019 | 1 | Q1 | TRN-NPN 2N3904,SOT-23 | | | |
| 501-10018 | 1 | D12 | DIODE,SCHOTTKY,20V,1A,DO-214AC | Digi-Key | 641-1014-6-ND | |
| 601-10335 | 1 | VR1 | IC-REG,3.3V,1A,SOT223 | | | |
| 602-10017 | 1 | U2 | IC Microchip 24LC256-I/ST - LF | | | |
| 603-10008 | 1 | U4 | 74LVC126A | Digi-Key | 568-2288-6-ND | |
| 603-10009 | 1 | U5 | 74HC541 | Digi-Key | 296-8335-6-ND | |
| 604-00043 | 1 | U3 | FTDI 232 RL | | | |
| P8X32A-Q44 | 1 | U1 | P8X32A-Q44 (QFP) | | | |
| X10-00300 | 1 | | Bag ESD Heat Pink 6x4 | | | |