Assembly Bill of Materials

Texas Instruments

Item | Designator | Description | Ref | Manufacturer | Part Number | Quantity | Required | Supplier 1 | Supplier 2 | Alternate Manufacturer | Alternate PartNumber
---|---|---|---|---|---|---|---|---|---|---|---
1 | JP1, JP2, JP3, JP4, JP5, JP6, JF7 | Header, 100mil, 2x1, Gold, TH | Y | Yageo America | GRM188R60J226MEA0D | 100 | | | | |
2 | C1, C8, C11 | cap, cerm, 10uF | Y | Yageo America | CRCW0603200KFKEA | 100 | | | Digi-Key | |
3 | C2, C4, C6, C7 | cap, cerm, 22uF, 20V | Y | Yageo America | CRCW060380K6FKEA | 100 | | | Digi-Key | |
4 | C3 | cap, cerm, 22uF, 20V, ±20% | Y | Texas Instruments | TPS63802DLAT | 1 | | | | |
5 | C5 | cap, TA, 69uF, 20V, ±10% | Y | Texas Instruments | TPS63802DLAT | 1 | | | | |
6 | C9, C12 | cap, cerm, 0.1uF | Y | Texas Instruments | CRCW060356K2FKEA | 1 | | | | |
7 | C19 | cap, cerm, 1000pF | Y | Texas Instruments | CRCW06031K00FKEA | 1 | | | | |
8 | D1 | diode, zener, 4.44V, 500mA | Y | Texas Instruments | 78-SIA445EDJT-T1-GE3 | 100 | | | | |
9 | D2, D3 | led, blue, smd | Y | Texas Instruments | TTW-104-07-G-S | 1 | | | | |
10 | FD1, FD2, FD3 | fast wheelchair, there is nothing to buy or mount | Y | Texas Instruments | 12X9113 | 1 | | | | |
11 | J1, J2, J10 | header, 100mil, 6x1, gold, th | Y | Texas Instruments | TSW-102-07-G-S | 100 | | | | |
12 | J3 | header, 100mil, 2x1, gold, th | Y | Texas Instruments | TSW-102-07-G-S | 100 | | | | |
13 | J4, J5, J6, J7, J8 | header, 100mil, 3x1, gold, th | Y | Texas Instruments | TSW-103-07-G-S | 600 | | | | |
14 | J9 | header, 100mil, 4x1, gold, th | Y | Texas Instruments | TSW-104-07-G-S | 100 | | | | |
15 | J11 | header, 100mil, 2x1, gold, th | Y | Texas Instruments | TSW-103-07-G-S | 100 | | | | |
16 | L1 | inductor, shield, composite, 470mH, 3.5A, 0.007ohm, smd | Y | Texas Instruments | LM4041DIDCKR | 1 | | | | |
17 | Q1 | transistor, npn, 20V, 2A | Y | Texas Instruments | 2SA9322EBTL | 100 | | | | |
18 | Q2 | nbfet, pch, 20V, ±10% power| Y | Texas Instruments | TPS63802DLAT | 1 | | | | |
19 | R1, R8, Rb | res, 511K, 0.1%, 0.063 | Y | Texas Instruments | 490-1303-1-ND | 100 | | | | |
20 | R2, R7 | res, 162.2K, 1%, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
21 | R3 | res, 60K, 0.1%, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
22 | R4 | res, 100K, 0.1%, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
23 | R5, R6 | res, 100K, 0.1%, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
24 | R9 | res, 100K, 0.1%, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
25 | R10 | res, 100K, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
26 | R11 | res, 100K, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
27 | R12 | res, 200K, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
28 | R13 | res, 100K, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
29 | R14 | res, 200K, 0.1% | Y | Texas Instruments | CRCW06031K00FKEA | 100 | | | | |
30 | R15, R16 | res, 473K | Y | Texas Instruments | CRCW060380K6FKEA | 100 | | | | |
31 | S1 | switch, tactile, spst no, 0.12A, SMD | Y | Texas Instruments | TP588302D4AR | 100 | | | | |
32 | U1 | high current, high efficiency single inductor buck-boost converter, DLA0010A (VSDB-15-10) | Y | Texas Instruments | TPS63802DLAT | 100 | | | | |
33 | U2 | microcontroller with 16KB FRAM, 4KB RAM, 12 IO, 4 Timers | Y | Texas Instruments | MSP430F2433 | 100 | | | | |
34 | U3 | adjustable precision micropower short voltage reference, 1.0% accuracy, 15ppm/degC, 12nA, -40 to 85degC, 5-15v | Y | Texas Instruments | LM4011DCXKR | 100 | | | | |

Quantity: 2/26/2019 8:26:10 AM

Search Term: Enter search term in cell K2 below

Search Engines:
- Search Flexibes.com
- Search Digi-Key
- Search Mouser
- Search Newark
- Search RS Components
IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI’s Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2019, Texas Instruments Incorporated