

CC3200-LAUNCHXL

Bill of materials

Date : 23-Jan-2014

| Item Num | Quantity | Part Refere | Value | Mfr_Name | Mfr_Part_Number | Description |
|----------|----------|---------------|-----------------|--|--------------------|------------------------------------|
| 1 | 2 | C1 C4 | 10uF | Murata | GRM21BR61A106KE19L | CAP CER 10UF 10V 10% X5R 0805 |
| 2 | 25 | C2 C3 C7 C8 | 0.1uF | Taiyo Yuden | LMK105BJ104KV-F | CAP CER 0.1UF 10V 10% X5R 0402 |
| 3 | 1 | C5 | 33000 pF | Samsung | CL05B333KO5NFNC | CAP 33000PF 16V CERAMIC X7R 0402 |
| 4 | 1 | C6 | 15pF | Murata Electronics North America | GRM1555C1H150JA01D | CAP CER 15PF 50V 5% NPO 0402 |
| 5 | 2 | C10 C12 | 27pF | Murata Electronics North America | GRM1555C1E270JA01D | CAP CER 27PF 25V 5% NPO 0402 |
| 6 | 5 | C13 C16 C2 | 10uF | Murata Electronics North America | GRM188R60J106ME47D | CAP CER 10UF 6.3V 20% X5R 0603 |
| 7 | 2 | C23 C24 | 100 uF | Avx | F930J107MAA | CAP 100UF 6.3V TANTALUM TEL SMD |
| 8 | 2 | C25 C26 | 10pF | Murata Electronics North America | GRM1555C1H100FA01D | CAP CER 10PF 50V 1% NPO 0402 |
| 9 | 3 | C33 C38 C4 | 4.7uF | Samsung Electro-Mechanics America, Inc | CL05A475MQ5NRNC | CAP CER 4.7UF 6.3V 20% X5R 0402 |
| 10 | 2 | C34 C36 | 22uF | Taiyo Yuden | AMK107BBJ226MAHT | CAP CER 22UF 4V 20% X5R 0603 |
| 11 | 1 | C46 | 0.033uF | Murata Electronics North America | GRM155R61A333KA01D | CAP CER 0.033UF 10V 10% X5R 0402 |
| 12 | 2 | C47 C48 | 6.2pF | Murata Electronics North America | GRM1555C1H6R2BA01D | CAP CER 6.2PF 50V NPO 0402 |
| 13 | 1 | C49 | 10pF | AVX Corporation | 04025U100CAT2A | CAP CER 10PF 50V NPO 0402 |
| 14 | 1 | C50 | 1.0pF | Murata Electronics North America | GJM1555C1H1R0BB01D | CAP CER 1PF 50V NPO 0402 |
| 15 | 2 | D1 D6 | LED | OSRAM Opto Semiconductors Inc | LY Q976-P1S2-36 | LED CHIPLED 587NM YLW 0603 SMD |
| 16 | 2 | D2 D5 | LED | OSRAM Opto Semiconductors Inc | LG Q971-KN-1 | LED CHIPLED 570NM GREEN 0603 SMD |
| 17 | 1 | D3 | CD0603-B00340 | Bourns Inc | CD0603-B00340 | DIODE SCHOTTKY 40V 0.03A 0603 |
| 18 | 2 | D4 D7 | LED | OSRAM Opto Semiconductors Inc | LS Q976-NR-1 | LED CHIPLED 633NM RED 0603 SMD |
| 19 | 1 | E1 | 2.45GHz Ant | Taiyo Yuden | AH316M245001-T | ANT BLUETOOTH W-LAN ZIGBEE WIMAX |
| 20 | 1 | FL1 | 2.4GHz Filter | TDK-Epcos | DEA202450BT-1294C1 | FILTER BANDPASS 2.45GHZ WLAN SMD |
| 21 | 1 | J1 | CONN_MICRO_USB | FCI | 10118194-0001LF | CONN USB MICRO B RECPT SMT R/A |
| 22 | 13 | J2 J3 J4 J8 J | HEADER_2 | TE Connectivity | 5-146285-2 | CONN HEADR BRKWAY .100 2POS STR |
| 23 | 4 | J6 J7 J19 J2 | HEADER_3 | TE Connectivity | 5-146282-3 | CONN HDR BRKWAY .100 3POS VERT |
| 24 | 1 | J18 | CONN_U.FL | Emerson Network Power Connectivity Johnson | 128-0711-201 | CONN UMC RCPT STR 50 OHM SMD |
| 25 | 2 | J22 J23 | CONN_RCPT_10x2 | Major League | CRD-081413-A-G | CONN RCPT .100" 20POS DUAL GOLD |
| 26 | 1 | J24 | RF SWITCH | Murata | MM8030-2610RJ3 | CONN SWG JACK STR 50 OHM SMD |
| 27 | 2 | L1 L2 | FB | Samsung | CIM10U800NC | FERRITE CHIP 80 OHM 600MA 0603 SMD |
| 28 | 1 | L3 | 10uH | Taiyo Yuden | CB2518T100K | INDUCTOR POWER 10UH 1007 |
| 29 | 2 | L5 L7 | 2.2uH | Murata Electronics North America | LQM2HPN2R2MG0L | INDUCTOR 2.2UH 20% 1300MA 1008 |
| 30 | 1 | L6 | 1uH | Murata | LQM2HPN1R0MJ0L | INDUCTOR POWER 1.0UH 1007 |
| 31 | 1 | L9 | 3.6nH | Murata Electronics North America | LQP15MN3N6B02D | INDUCTOR 3.6NH 0.1NH 0402 |
| 32 | 4 | Q1 Q3 Q4 | BSS138LT3G | On Semi | BSS138LT3G | MOSFET N-CH 50V 200MA SOT-23 |
| 33 | 1 | Q2 | SI2323DS-T1-GE3 | Vishay | SI2323DS-T1-GE3 | MOSFET P-CH 20V 3.7A SOT23-3 |
| 34 | 1 | R1 | 100R | Panasonic - ECG | ERJ-2GEJ101X | RES 100 OHM 1/10W 5% 0402 SMD |
| 35 | 3 | R2 R62 R64 | 0.1 R | Panasonic | ERJ-S6SFR10V | RES 0.1 OHM 1/4W 1% 0805 SMD |
| 36 | 6 | R3 R4 R20 | 270 | Panasonic Electronic Components | ERJ-3GEYJ271V | RES 270 OHM 1/10W 5% 0603 SMD |
| 37 | 6 | R5 R58 R59 | 100k | Yageo | RC0402JR-07100KL | RES 100K OHM 1/16W 5% 0402 SMD |
| 38 | 19 | R6 R7 R11 | 10k | Yageo | RC0402JR-0710KL | RES 10K OHM 1/16W 5% 0402 SMD |
| 39 | 2 | R8 R9 | 28 | Yageo | RC0402FR-0728RL | RES 28.0 OHM 1/16W 1% 0402 SMD |
| 40 | 1 | R10 | 1.5k | Yageo | RC0402FR-071K5L | RES 1.50K OHM 1/16W 1% 0402 SMD |
| 41 | 1 | R12 | 2.2K | Panasonic | ERJ-2GEJ222X | RES 2.2K OHM 1/10W 5% 0402 SMD |
| 42 | 15 | R15 R19 R2 | 33 | Yageo | RC0402FR-0733RL | RES 33.0 OHM 1/16W 1% 0402 SMD |
| 43 | 1 | R17 | 51K | Samsung | RC1005F513CS | RES 51K OHM 1/16W 1% 0402 |
| 44 | 1 | R18 | 30.1K | Yageo | RC0402FR-0730K1L | RES 30.1K OHM 1/16W 1% 0402 SMD |

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| 45 | 1 | R21 | 470 | Yageo | RC0402FR-07470RL | RES 470 OHM 1/16W 1% 0402 SMD |
| 46 | 44 | R23 R27 R30 R | | Panasonic Electronic Components | ERJ-2GE0R00X | RES 0.0 OHM 1/10W JUMP 0402 SMD |
| 47 | 13 | R24 R31 R6 | DNP | DNP | DNP | DO NOT MOUNT |
| 48 | 1 | R37 | DNP | DNP | DNP | DO NOT MOUNT |
| 49 | 2 | R47 R54 | 3.3K | Panasonic - ECG | ERJ-2GEJ332X | RES 3.3K OHM 1/10W 5% 0402 SMD |
| 50 | 3 | R57 R116 R1k | | Yageo | RC0402JR-071KL | RES 1.0K OHM 1/16W 5% 0402 SMD |
| 51 | 1 | R100 | 3.3M | Yageo | RC0402FR-073M3L | RES 3.30M OHM 1/16W 1% 0402 SMD |
| 52 | 3 | SW1 SW2 SW3 | SW TACT | Panasonic | EVQ-11A04M | SWITCH TACTILE SPST-NO 0.02A 15V |
| 53 | 1 | TP1 | TP_1206 | TE Connectivity | 1625854-4 | 1206 PROBE PAD |
| 54 | 1 | U1 | TPD2EUSB30 | TI | TPD2EUSB30DRTR | IC ESD SOLUTION 2CH SOT3 |
| 55 | 1 | U2 | 93LC46B-I/MS | Microchip | 93LC46B-I/MS | IC SRL EE 1K 64X16 2.5V 8MSOP |
| 56 | 1 | U3 | TPS79601 | TEXAS INSTRUMENTS INC | TPS79601DCQR | IC,VREG,LDO,1.2V-5.5V,2.7V-5.5V,--,6PIN,SOT-223 |
| 57 | 1 | U5 | FT2232D | FUTURE TECHNOLOGY DEVICES INTERNATIONAL LTD | FT2232D | IC, USB UART/FIFO, MPSSE, 12/48MHz, 48-PIN, LQFP |
| 58 | 1 | U6 | TMP006 | Texas Instruments | TMP006AIYZFR | IC SENSOR THERMOPILE 8DSBGA |
| 59 | 1 | U8 | TPS61097-33DBVR | TEXAS INSTRUMENTS INC | TPS61097-33DBVR | IC REG BST SYNC 3.3V .1A SOT23-5 |
| 60 | 1 | U10 | BMA222 | Bosch | BMA222E | 3-AXIS ACCELEROMETER DIGITAL SMD |
| 61 | 2 | U11 U12 | SN74LVC1T45D | TEXAS INSTRUMENTS INC | SN74LVC1T45DCKR | IC, BUS XCVR, 1-BIT, NON INVERTING, 3-STATE, 6-PIN, SOT-23 |
| 62 | 1 | U13 | CC3101 | Texas Instruments | CC3101ZRTDR | ARM M4 MCU with 802.11bg WIFI |
| 63 | 1 | U15 | 8M (1M x 8) | Micron Technology Inc | M25PX80-VMN6TP | IC FLASH 8MBIT 75MHZ 8SO |
| 64 | 2 | U4 U9 | SN74LVC125APWR | TEXAS INSTRUMENTS INC | SN74LVC125APWR | IC BUS BUFF TRI-ST QD 14TSSOP |
| 65 | 1 | U7 | SN74LVC126APWR | TEXAS INSTRUMENTS INC | SN74LVC126APWR | IC BUS BUFF TRI-ST QD 14TSSOP |
| 66 | 1 | Y1 | CRYSTAL | Epson | CA-301 6.0000M-C:PBFREE | CRYSTAL 6MHZ 18PF THRU |
| 67 | 1 | Y2 | Crystal | Abracon Corporation | ABS07-32.768KHZ-T | CRYSTAL 32.768KHZ 12.5PF SMD |
| 68 | 1 | Y3 | Crystal | Epson | Q24FA20H00396 | CRYSTAL 40MHZ 8PF SMD |