Total locations assigned: 142

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|-----------------------------------|------------------------------------|---------------------------------------|
| A1 MFG/PN: AD7616-PBSTZ | C11 MFG/PN: CC6603KRX7R0BB104 | C23 MFG/PN: CL10A226MQ8NRNE |
| IC DAS ADC DUAL 16BIT 16CH 80LQF | CAP CER 0.1UF 100V X7R 0603 | CAP CER 22UF 6.3V 20% X5R 0603 |
| B1 | C12 | C25 |
| MFG/PN: MAX77650AEWV+T | MFG/PN: ABM8G-12.000MHZ-4Y-T3 | MFG/PN: LT3092ETS8#TRMPBF |
| IC BATT CHG LI-ION 1CELL 30WLP | CRYSTAL 12.0000MHZ 10PF SMD | IC CURRENT SOURCE 1% TSOT23-8 |
| C1 | C13 | D1 |
| MFG/PN: NF981A106MMA | MFG/PN: X.FL-PR-SMT1-2(80) | MFG/PN: CDBU0520 |
| CAP TANT 10UF 10V 20% 0603 | RF Connectors / Coaxial Connectors | DIODE SCHOTTKY 20V 500MA 0603 |
| C2 | C14 | D2 |
| MFG/PN: GRJ188R72A104KE11D | MFG/PN: GRM033R61C473KE84D | MFG/PN: ADM00931 |
| CAP CER 0.1UF 100V X7R 0603 | CAP CER 0.047UF 16V X5R 0201 | HV892DB1 LIQUID LENS DRIVER |
| C3 | C15 | D3 |
| MFG/PN: 0475710001 | MFG/PN: GRM188R72A104KA35J | MFG/PN: BAS316-TP |
| CONN MICRO SD.CARD PUSH-PULL | CAP CER 0.1UF 100V X7R 0603 | DIODE GEN PURP 100V 250MA |
| C3 | C16 | D4 |
| MFG/PN: 0475710001 | MFG/PN: C0603C104K4RACTU | MFG/PN: DAC5571IDBVR |
| CONN MICRO SD.CARD PUSH-PULL | CAP CER 0.1UF 16V 10% X7R 0603 | 8 BIT 12C SNGL CHNL DAC SOT23-6 |
| C4 | C17 | D4 |
| MFG/PN: CL10B104K08NNNC | MFG/PN: GRM155R71H103KA88D | MFG/PN: DAC5571IDBVR |
| CAP CER 0.1UF 16V 10% X7R 0603 | CAP CER 10000PF 50V 10% X7R 0402 | 8 BIT 12C SNGL CHNL DAC SOT23-6 |
| C5 | C18 | D5 |
| MFG/PN: 1050170001 | MFG/PN: GRM188R61A105KA61D | MFG/PN: LTM8049IY#PBF |
| CONN RCPT USB2.0 MICRO B SMD | CAP CER 1UF 10V 10% X5R 0603 | DC DC CONVERTER +/-2.5 TO +/-24V |
| C6 | C20 | E 1 |
| MFG/PN: GRM188R61E475KE11D | MFG/PN: GRT 188R61C105KE13D | MFG/PN: M24M02-DRCS6TP/K |
| CAP CER 4.7UF 25V X5R 0603 | CAP CER 1UF 16V X5R 0603 | IC EEPROM 2M I2C 1MHZ 8WLCSP |
| C7 | C21 | F1 |
| MFG/PN: GRM188R61E106MA73J | MFG/PN: GQM1875C2E101JB12D | MFG/PN: BLM15AX601SN1D |
| CAP CER 10UF 25V X5R 0603 | CAP CER 100PF 250V C0G/NP0 0603 | FERRITE BEAD 600 OHM 0402 1LN |
| C8 | C22 | F2 |
| MFG/PN: GRM188R61C475KE11D | MFG/PN: GRM188R61C225KE15D | MFG/PN: BLM18KG601SN1D |
| CAP CER 4.7UF 16V X5R 0603 | CAP CER 2.2UF 16V X5R 0603 | FERRITE CHIP 600.OHM 1300MA 0603 |
| C9 | C22 | F3 |
| MFG/PN: GRM188R61A225KE34D | MFG/PN: GRM188R61C225KE15D | MFG/PN: LQM2HPN1ROMGOL |
| CAP CER 2.2UF 10V 10% X5R 0603 | CAP CER 2.2UF 16V 10% X5R 0603 | FIXED IND 1UH 1.6A 69 MOHM SMD |
| C10 | C22 | F4 |
| MFG/PN: JMK107BJ475KA-T | MFG/PN: GRM188R61C225KE15D | MFG/PN: LQM18PN3R3MGHD |
| CAP CER 4.7UF 6.3V 10% X5R 0603 | CAP CER 2.2UF 16V X5R 0603 | FIXED IND 3.3UH 1.05A 250 MOHM |

| F4 MFG/PN: LQM18PN3R3MGHD | I1 MFG/PN: ATSAMV71021B-AABT | I5 MFG/PN: NATSAME70N21A-CN |
|--|-----------------------------------|---------------------------------------|
| FIXED IND 3.3UH 1.05A 250 MOHM | IC MCU 32BIT 2MB FLASH 144LQFP | IC MCU 32BIT 2MB FLASH 100TFBGA |
| F4 | I 1 | 17 |
| MFG/PN: LQM18PN3R3MGHD | MFG/PN: ATSAMV71Q21B-AABT | MFG/PN: PCF8574APWR |
| FIXED IND 3.3UH 1.05A 250 MOHM | IC MCU 32BIT 2MB FLASH 144LQFP | IC I/O EXPANDER I2C 8B 20TSSOP |
| F4 MFG/PN: LQM18PN3R3MGHD | I2 MFG/PN: TPS62231DRYT | I8 MFG/PN: LMV321IDCKR |
| FIXED IND 3.3UH 1.05A 250 MOHM | UCLA DESERIALIZER SYSTEM | IC OPAMP GP 1 CIRCUIT SC70-5 |
| F4 | 12 | I 9 |
| MFG/PN: LQM18PN3R3MGHD | MFG/PN: TPS62231DRYT | MFG/PN: 296-38936-1-ND |
| FIXED IND 3.3UH 1.05A 250 MOHM | CIC REG BUCK 1.8V 0.5A SYNC 6SON | IC SER/DES 25-100MHZ FPD 48WQFN |
| F5 | 12 | I11 |
| MFG/PN: NADL3225V-470MT-TL000 | MFG/PN: TPS62231DRYT | MFG/PN: DS90UB913QSQ/NOPB |
| FIXED IND 47UH 500MA 900 MOHM | IC REG BUCK 1.8V 0.5A SYNC 6SON | IC SER/DES 10-100MHZ FPD 32WQFN |
| F5 | l 2 | l12 |
| MFG/PN: NADL3225V-470MT-TL000 | MFG/PN: TPS62231DRYT | MFG/PN: TLV333IDBVR |
| FIXED IND 47UH 500MA 900 MOHM | IC REG BUCK 1.8V 0.5A SYNC 6SON | IC OP AMP ZERO-DRIFT CMOS |
| F5 MFG/PN: ADL3225V-470MT-TL000 | I2 MFG/PN: TPS62231DRYT | I13 MFG/PN: NTCAN332GDR |
| FIXED IND 47UH 500MA 900 MOHM | IC REG BUCK 1.8V 0.5A SYNC 6SON | IC TRANSCEIVER 1/1 8SOIC |
| F7 | 12 | l14 |
| MFG/PN: VLS3012HBX-2R2M | MFG/PN: TPS62231DRYT | MFG/PN: NCP361SNT1G |
| FIXED IND 2.2UH 3.15A 106 MOHM | IC REG BUCK 1.8V 0.5A SYNC 6SON | IC USB POS OVP/OCP 5TSOP |
| F7 | I 3 | l15 |
| MFG/PN: NVLS3012HBX-2R2M | MFG/PN: DS90LV018ATMX/NOPB | MFG/PN: BN0055 |
| FIXED IND 2.2UH 3.15A 106 MOHM | RECEIVER 0/1 8SOIC | IMU ACCEL/GYRO/MAG I2C 28LGA |
| F9 | 14 | I16 |
| MFG/PN: NR3015T1R5N | MFG/PN: DS90LV017ATM/NOPB | MFG/PN: DS90UB934TRGZTQ1 |
| FIXED IND 1.5UH 1.82A 48 | IC DRIVER SINGLE HS DIFF 8-SOIC | IC DESERIALIZER 12 BIT 48-VQFN |
| F12 | 14 | l18 |
| MFG/PN: NRS4012T100MDGJ | MFG/PN: DS90LV017ATM/NOPB | MFG/PN: MAX13030EETE+ |
| FIXED IND 10UH 1.1A 204 MOHM SMD | IC DRIVER 1/0 8SOIC | IC TRNSLTR BIDIRECTIONAL 16TQFN |
| F13 | I 5 | l18 |
| MFG/PN: NMBKK1608T3R3M | MFG/PN: NATSAME70N21A-CN | MFG/PN: MAX13030EETE+ |
| FIXED IND 3.3UH 600MA 512 MOHM | IC MCU 32BIT 2MB FLASH 100TFBGA | IC TRNSLTR BIDIRECTIONAL 16TQFN |
| F14 | 15 | l19 |
| MFG/PN: MLF 1005G1R5JTD25 | MFG/PN: NATSAME70N21A-CN | MFG/PN: NCV8154MW180280TBG |
| FIXED IND 1.5UH.35MA 950MOHM | IC MCU 32BIT 2MB FLASH 100TFBGA | IC REG LINEAR 1.8V/2.8V 10DFN |

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| I20 MFG/PN: LM3509SD/NOPB | I32 MFG/PN: TLV7103318DSER | L4 MFG/PN: LTST-C155GEKT |
| IC LED DRVR RGLTR DIM 30MA | IC REG LIN 3.3V/1.8V 200MA 6WSON | LED GREEN/RED CLEAR CHIP SMD |
| I21 | 133 | L5 |
| MFG/PN: MCP1711T-301/5X | MFG/PN: TPS79328DBVR | MFG/PN: APHBM2012QBDCGKC |
| IC REG LINEAR 3V 150MA 4UQFN | IC REG LINEAR 2.8V 200MA SOT23-5 | Blue/Grn 470/570nm Standard LEDs - |
| I22 MFG/PN: LT3092EDD#PBF | I33 MFG/PN: TPS79328DBVR | L6 MFG/PN: LTC3218EDDB#TRMPBF |
| IC CURRENT SOURCE 1% 8DFN | IC REG LINEAR 2.8V 200MA SOT23-5 | IC LED DRIVER RGLTR 150MA 10DFN |
| | | |
| I22 MFG/PN: LT3092EDD#PBF | I35 MFG/PN: TPS62170DSGT | L7 MFG/PN: LTST-C195TBKSKT-5A |
| IC CURRENT SOURCE 1% 8DFN | IC REG BUCK ADJ 0.5A SYNC 8WSON | SMD LED Bi-Color. Standard LEDS - |
| 123 | 137 | L8 |
| MFG/PN: MCP1711T-18I/5X | MFG/PN: MPU-9250 | MFG/PN: APHB1608QBDCGKC |
| IC REG LINEAR 1.8V 150MA 4UQFN | IMU ACCEL/GYRO/MAG I2C/SPI | Blue/Grn 90/50mcd Standard LEDs - |
| 124 | I38 | L9 |
| MFG/PN: MCP73832T-2ACI/OT | MFG/PN: TPS72301DBVR | MFG/PN: LXML-PB01-0030 |
| IC LI-ION/LI-POLY CTRLR SOT23-5 | IC REG LIN NEG ADJ 200MA SOT23-5 | LED LUXEON REBEL BLUE SMD |
| I24 MFG/PN: MCP73832T-2ACI/OT | I40 MFG/PN: DS90UB913ATRTVRQ1 | L10 MFG/PN: XZDG155W5MAY |
| IC LI-ION/LI-POLY CTRLR SOT23-5 | IC SER/DES 10-100MHZ FPD 32WQFN | LED GREEN CLEAR 2SMD |
| 125 | 142 | L11 |
| MFG/PN: TPS62162DSGR | MFG/PN: TPS62161DSGR | MFG/PN: 150141YB73100 |
| IC REG BUCK 3.3V 1A SYNC 8WSON | IC REG BUCK 1.8V 1A SYNC 8WSON | WL-SBTW SMDBiClr Top Standard |
| I28 MFG/PN: TPS79301DBVR | I44 MFG/PN: TPS7A4700RGWR | L12 MFG/PN: XZBBR155W5MAV |
| IC REG LIN POS ADJ 200MA SOT23-6 | IC REG LINEAR POS ADJ 1A 20VQFN | LED BLUE CLEAR 2SMD |
| 129 | 147 | L13 |
| MFG/PN: ADS8885IDGSR | MFG/PN: SC189ZULTRT | MFG/PN: LTST-C190KRKT |
| IC ADC 18BIT 400KSPS 10VSSOP | IC REG BUCK 3.3V 1.5A 6MLPD | LED RED CLEAR CHIP SMD |
| I31 | L1 | L14 |
| MFG/PN: TPS62402QDRCRQ1 | MFG/PN: LTST-C191KGKT | MFG/PN: APBD3224LQBDCGKC |
| IC REG BUCK FROG/3.3V DL 10VSON | LED GREEN CLEAR 0603 SMD | 3.2x2.4MM LOW CU, Standard LEDS - |
| I31 MFG/PN: TPS62402QDRCRQ1 | L2 MFG/PN: VLMS 1500-GS08 | M1 MFG/PN: NTK3134NT1G |
| IC REG BUCK SYNC PROG DL | LED RED 0402 SMD | MOSFET N-CH 20V 750MA SOT-723 |
| l32 | L3 | M1 |
| MFG/PN: TLV7103318DSER | MFG/PN: APG0603CGC-TT | MFG/PN: NTK3134NT1G |
| IC REG LIN 3.3V/1.8V 200MA 6WSON | LED GREEN CLEAR 2SMD | MOSFET N-CH 20V 750MA SOT-723 |

| M3 MFG/PN: NTK3134NT 1G | \$5 MFG/PN: BAT760.115 |
|---------------------------------------|------------------------------------|
| MOSFET N-CH 20V 750MA SOT-723 | DIODE SCHOTTKY 20V 1A SOD323 |
| M6 | T1 |
| MFG/PN: CYUSB3013-BZXC | MFG/PN: TCAN332GDCNR |
| IC ARM9 USB3.CONTROLLER | IC TXRX CAN 3.3V SOT23-8 |
| M6 | T2 |
| MFG/PN: CYUSB3013-BZXC | MFG/PN: PMMBT3904-TP |
| IC ARM9 USB3.CONTROLLER | TRANS NPN 40V 0.2A SOT23 |
| M6 | Т3 |
| MFG/PN: PERCYUSB3013-BZXCh | MFG/PN: SP3010-04UTG |
| IC ARM9 USB3.CONTROLLER | TVS DIODE 6VWM 12.3VC UDFN |
| M7 MFG/PN: ATSAMS70N21B-CFN | T5 MFG/PN: MMBT3904LP-7B |
| IC MCU 32BIT 2MB FLASH 100VFBGA | TRANS NPN 40V 0.2A DFN1006-3 |
| N1 | V1 |
| MFG/PN: NOT SPECIFIED | MFG/PN: TLV74233PDQNR |
| NOT SPECIFIED | IC REG LINEAR 3.3V 200MA 4X2SON |
| 01 | V1 |
| MFG/PN: SIT8008BI-12-18E-90.000000G | MFG/PN: TLV74233PDQNR |
| MEMS OSC XO 90.0000MHZ | IC REG LINEAR 3.3V 200MA 4X2SON |
| O2 | V5 |
| MFG/PN: SG-210STF 16.6665ML | MFG/PN: TPS74801DRCR |
| XTAL OSC XO 16.6665MHZ CMOS | IC REG LDO ADJ 1.5A 10SON |
| P1 | V5 |
| MFG/PN: 6N135 | MFG/PN: TPS74801DRCR |
| 8 PIN 1 MBITS.HIGH SPEED | IC REG LDO ADJ 1.5A 10SON |
| S1 | V6 |
| MFG/PN: NTSOP57438TT1 | MFG/PN: TPS7A3301RGWR |
| SENSOR REMOTE REC 38.0KHZ 40M | IC REG LINEAR NEG ADJ 1A 20VQFN |
| S2 MFG/PN: MT9P031112STM-DP | V7 MFG/PN: TPS76801QD |
| | |
| SENSOR IMAGE 5MP MONO CMOS | IC REG LDO ADJ 1A 8SOIC |
| S3 MFG/PN: DS90UB933TRTVTQ1 | V7 MFG/PN: TPS76801QD |
| IC SERIALIZER FPD-LINK 32WQFN | IC REG LDO ADJ 1A 8SOIC |
| | ICINEG EDO ADJ TA 650IC |
| S4 | |

MFG/PN: MT9P031112STC-DP

SENSOR IMAGE COLOR CMOS