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 MFG/PN: NF981A106MMA	C13 MFG/PN: X.FL-PR-SMT1-2(80)	D1 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 MFG/PN: CL10B104K08NNNC	C17 MFG/PN: GRM155R71H103KA88D	D4 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
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C5 MFG/PN: 1050170001	C18 MFG/PN: GRM188R61A105KA61D	D5 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 MFG/PN: GRM188R61E475KE11D	C20 MFG/PN: GRT 188R61C105KE13D	E1 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 MFG/PN: GRM188R61A225KE34D	C22 MFG/PN: GRM188R61C225KE15D	F3 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 19	
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 ADJI A 050IC
S4	

MFG/PN: MT9P031112STC-DP

SENSOR IMAGE COLOR CMOS