'





Comment	Description	Designator	Footprint	LibRef	Quantity
CMT-5023S-SMT	AUDIO MAGNETIC XDCR 2-4V SMD	BZ1	CUI_CMT-5023S-SMT	CMT-5023S-SMT	1
1uF	CAP	C1, C2, C3, C6, C9, C10, C12, C13, C14, C18, C20, C23, C24, C33, C34, C39, C41, C46, C47, C48	C1005X04N	EMK105BJ105KV-F	20
0.1uF	CAP CER,0.1UF,20%,25V,X5R ,0402,SMD	C4, C7, C11, C15, C16, C17, C21, C25, C28, C31, C32, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58	C1005X04N	TMK105BJ104MV-F	21
10uF	CER,10UF,20%,10V,X5R, 0603,SMD	C5, C35, C37, C38, C40, C42, C44, C45	C1608X06N	LMK107BBJ106MAHT	8
100uF	CER,100UF,20%,6.3V,X5 R,0805,SMD	C8, C19	C2012X06N	GRM21BR60J107ME15L	2
10nF	CER,10NF,10%,50V,X7R, 0402,SMD	C22, C27	C1005X04N	UMK105B7103KV-F	2
0.47uF	CAP CER,0.47UF,10%,25V,X5 R,0402,SMD	C26	C1005X04N	TMK105ABJ474KVHF	1
2.2uF	CAP CER,2.2UF,20%,25V,X5R ,0402,SMD	C29, C36, C43	C1005X04N	TMK105CBJ225MV-F	3
1nF	CAP CER,1NF,10%,50V,X7R,0 402,SMD	C30	C1005X04N	UMK105B7102KV-F	1
DF40C-80DS-0.4V(51)	CONN RCPT 80POS SMD GOLD	CN1, CN2	DF40C-80DS-0.4V(51)	DF40C-80DS-0.4V(51)	2
BAV21W-7-F	DIODE,200V,200MA,1- CH,ID,SOD-123,SMD	D1	SOD123	BAV21W-7-F	1
RGB	3528 PLCC4 RGB	D2	LED 3528 PLCC4 RGB	BL-HJXGXBX32M-A	1
LED BLUE	LED BLUE CLEAR CHIP SMD	D3, D4	LED0603	LTST-C191TBKT	2
1.00mm	FIDUCIAL, 1.00mm, 3.00 mm	F1, F2, F3, F4, F5, F6	FIDUCIAL10-30	FIDUCIAL10-30	6
120 Ohms @ 100MHz	FERRITE BEAD,120 OHMS @ 100MHZ,0.0016R,3A,12 06,SMD FERRITE BEAD,47	F7	F3216X07N	BLM31KN271BH1L	1
47 Ohms @ 100MHz	OHMS @ 100MHZ,0.05R,1A,0805, SMD	F8	F2012X06N	BK2125HS470-T	1
400 Ohm @ 100MHz	FERRITE BEAD,600 OHMS @ 100MHZ,0.55R,300MA,0 402.SMD	F9	E100EVOAN	DV100EHS401 T	1
600 Ohms @ 100MHz	CONN HEADER VERT		F1005X04N	BK1005HS601-T	
PH1-11-UA	11POS 2.54MM CONN HEADER SMD	J1	HDR1x11 - 2.54mm FTSH-110-01-L-DV-007-	PH1-11-UA FTSH-110-01-L-DV-007-	1
HDR10x2	20POS 1.27MM CONN HEADER SMD	J2 J3, J4, J5, J6, J7, J8, J9,	P-TR JST_SM03B-SRSS-	P-TR	1
SM03B-SRSS-TB(LF)(SN)	R/A 3POS 1MM	J10, J11, J12	TB(LF)(SN)	SM03B-SRSS-TB(LF)(SN)	10
Header 2 3.3uH	IND,3.3UH,20%,450MA, 0.027R,0603,SMD	J13, J14 L1, L2, L3	HDR1x2 L1608X06N	Header 2 MLZ1608N3R3LT000	3
MMBTA06-7-F	BJT NPN,80V,500MA,SOT23- 3,SMD	Ω1	SOT95P245X110-3N	MMBTA06-7-F	1
10kR	RES,10KR,1%,62.5MW,0 402,SMD	R1, R5, R12, R13, R14, R15, R16, R20, R21	R1005X04N	RC0402FR-0710KL	9
2MR	RES,2MR,1%,62.5MW,0 402,SMD	R2, R4	R1005X04N	CRCW04022M00FKEDC	2
OR	RES,0R,JUMPER,62.5M W,0402,SMD	R3, R6, R7, R8, R9, R10, R18, R37	R1005X04N	RC0402FR-070RL	8
392kR	RES,392KR,1%,62.5MW, 0402,SMD	R11	R1005X04N	CRCW0402392KFKED	1
	RES,1MR,1%,62.5MW,0			RC0402FR-071ML	
1MR	402,SMD RES,180R,1%,200MW,0	R17	R1005X04N		
180R	402,SMD RES,1KR,5%,62.5MW,04	R19	R1005X04N	CRCW0402180RFKEDHP	1
1kR	02,SMD	R22, R23, R24, R25, R26 R27, R28, R29, R30,	R1005X04N	RC0402JR-071KL	5
2.2kR	RES,2.2KR,1%,62.5MW, 0402,SMD	R31, R32, R33, R34, R35, R36	R1005X04N	RC0402FR-072K2L	10
EG1213	SWITCH SLIDE SPDT 200MA 30V	S1	SW_EG1213	EG1213	1
Solder Jump	Solder Bridge Jumper 0603	SB1, SB2, SB3, SB4, SB5, SB6, SB7, SB8, SB9, SB10, SB11, SB12, SB13	SJB_0603	Solder Jump	13
	CONN MICRO SD CARD				
MICRO SD CARD	PUSH-PULL R/A SWITCH TACTILE SPST-	SK1	114-00841-68	114-00841-68	1
FSMRA4JH04	NO 0.05A 24V IC AFE 8 CHAN 24BIT	SW1, SW2	1-1825027-1	FSMRA4JH04	2
ADS1299	64TQFP IC OPAMP GP 1 CIRCUIT	U1	PQFN-64	ADS1299IPAGR	1
OPA376AIDBVT	SOT23-5 IMU ACCEL/GYRO/MAG	U2, U3	SOT23-5 QFN50P400X400X100_H	OPA376AIDBVT	2
ICM-20689	I2C/SPI 24QFN IC REG LIN -2.5V 200MA	U4	S-25N-NP	ICM-20689	1
TPS72325DBVR	SOT23-5 TPS60403 60MA	U5	SOT23-5	TPS72325DBVR	1
TPS60403DBVT	CHARGE PUMP VOLTAG	U6	SOT23-5	TPS60403DBVT	1
TPS73225DBVR	IC REG LINEAR 2.5V 250MA SOT23-5	U7	SOT23-5	TPS73225DBVR	1
TPD4E1B06DRLR	TVS DIODE 5.5VWM 14.5VC 6SOT XTAL OSC XO	U8, U9, U10, U11	SOT-563	TPD4E1B06DRLR	4
2.0480MHZ	2.0480MHZ HCMOS SMD	X1	CRYSTAL_3225	632L3I002M04800	1













