

730-001524-01  
SC950-000610-01  
REV: 1

CX21986 USB-C Headset Reference Design (Independent Mic and Buttons)

June 11, 2018  
2:46 AM

BOM730-001524-01  
BILL OF MATERIALS

- NOTES:
- 1. The Global Part Number represents a reference number and is not an orderable number. Use the Manufacturer Part Number for part orders.
  - 2. 'C' = Critical - must use the specified source(s).
  - 3. 'CS' = Critical Substitution - may be substituted with other manufacturer's parts of equal specification.
  - 4. 'DNE-QK' = Do Not Equip in the Quick Kit. Equip in Sliver builds only.
  - 5. 'DNE' = Do Not Equip.



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PROPRIETARY DOCUMENT  
USE PURSUANT TO NDA

ITEM	GLOBAL PART NUMBER	GPN COMPLIANCE	QTY	PART REFERENCE	VALUE	DESCRIPTION	PART NUMBER (MANUFACTURER) COMPLIANCE	TYPE PACKAGE	BOM NOTES
1	G010Z-0001175	ROHS (EU)	5	C3 C8 C12 C22 C32	0.1UF	CAP_CER/X5R;0201;6.3V;10%;0.1UF	GRM033R60J104KE19 (MURATA) JMK063BJ104KP (TAIYO YUDEN) C0201X5R6R3-104KNP (VENKEL LTD.) 0201X104K6R3CT (WALSIN)	SMD-0201	
2	G010Z-0001189	ROHS (EU)	2	C94 C95	0.01UF	CAP_CER/X5R;0201;6.3V;10%;0.01UF	GRM033R60J103KA01 (MURATA) ECJ2EB0J103K (PANASONIC) C0201X5R6R3-103KNP (VENKEL LTD.)	SMD-0201	
3	G010Z-0001247	ROHS (EU)	1	C13	1UF	CAP_CER/X5R;0201;6.3V;20%;1UF	GRM033R60J105MEA2D (MURATA) C0603X5R0J105M (TDK)	SMD-0201	
4	G010Z-0001290	ROHS (EU)	1	C14	1UF	CAP_CER/X5R;0201;10V;20%;1UF	0201ZD105MAT2A (AVX) GRM033R61A105ME15D (MURATA) CL03A105MP3ZSNH (SAMSUNG ELECTRO MECHANICS) CC0201MRX5R6BB105 (YAGEO)	SMD-0201	
5	G010Z-0001292	ROHS (EU)	12	C4 C5 C6 C7 C9 C18 C23 C34 C79 C80 C87 C105	2.2UF	CAP_CER/X5R;0201;10V;10%;2.2UF	GRM033R61A225KE47D (MURATA)	SMD-0201	
6	G010Z-0001270	ROHS (EU)	1	C19	10UF	CAP_CER/X5R;0402;6.3V;20%;10UF	C0402C106M9PAC (KEMET) GRM155R60J106ME44D (MURATA) JMK105CBJ106MV-F (TAIYO YUDEN) CC0402MRX5R5BB106 (YAGEO)	SMD-0402	
7	G010Z-0001287	ROHS (EU)	2	C10 C21	4.7UF	CAP_CER/X5R;0402;10V;10%;4.7UF	CL05A475KP5NRNC (SAMSUNG ELECTRO MECHANICS) C1005X5R1A475K050BC (TDK)	SMD-0402	
8	G010Z-0001298	ROHS (EU)	1	C82	3.3UF	CAP_CER/X5R;0402;10V;10%;3.3UF	C1005X5R1A335K050BC (TDK)	SMD-0402	
9	G120Z-0000168	ROHS (EU),HALOGEN-FREE	5	D10 D11 D12 D13 D14	3.3V	DIO_TV/CLMP;SMD;3321ZA;BIDIR;3.3V;40W;5PF;XINDT	uClamp3321ZATFT (SEMTECH)	SMD-SPECIAL	
10	G120Z-0000147	ROHS (EU)	2	D15 D17	5V	DIO_TV/CLMP;SMD;0501P;UNI;5V;200W;160PF;-55 TO 125C	UCLAMP0501P.TCT (SEMTECH)	SMD-SPECIAL	
11	G120Z-0000180	ROHS (EU)	1	D16	3.5V	DIO_TV/CLMP;SMD;3552T;ARRAY-2 LINE;3.5V;0.3PF;XINDT	RClamp3552T.TNT (SEMTECH)	SMD-SPECIAL	
12	G200Z-0000281	ROHS (EU)	1	FB1	600 Ohm@100MHz	FERR_CB;0402;BLM15A;600 OHM@100MHZ;0.60 OHM;300MA	BLM15AG601SN1 (MURATA)	SMD-0402	
13	G210Z-0001922	ROHS (EU)	1	J2	PLUG USB C	CONN_MOD;SMD;PLUG;USB TYPE C 0.8MM PCB SPLINT BLK;22P;SHLD;RA;-30 TO 85C	105444-0001 (MOLEX)	SMD-SPECIAL	
14	G030Z-0000835	ROHS (EU)	1	L3	2.2uH	INDR_PWR/S;0805;1.2A;0.204 OHM;20%;2.2UH;INDT	1285AS-H-2R2M=P2 (MURATA)	SMD-0805	

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15	G020Z-0001850	ROHS (EU)	1	R144	100	RES_CHIP;0201;5%;1/20W;100 OHM	ERJ1GEJ101C (PANASONIC) MCR006YZPJ101 (ROHM) CR0201-20W-101JT (VENKEL LTD.) CRCW0201100RJN (VISHAY) WR02X101 JAL (WALSIN)	SMD-0201	
16	G020Z-0001851	ROHS (EU)	2	R34 R99	4.7K	RES_CHIP;0201;5%;1/20W;4.7K OHM	ERJ1GEJ472C (PANASONIC) MCR006YZPJ472 (ROHM) CR0201-20W-472JT (VENKEL LTD.) CRCW02014K70JN (VISHAY) WR02X472 JAL (WALSIN)	SMD-0201	
17	G020Z-0001870	ROHS (EU)	1	R1	100K	RES_CHIP;0201;5%;1/20W;100K OHM	ERJ1GEJ104C (PANASONIC) MCR006YZPJ104 (ROHM) CR0201-20W-104JT (VENKEL LTD.) CRCW0201100KJN (VISHAY) WR02X104 JAL (WALSIN)	SMD-0201	
18	G020Z-0001964	ROHS (EU)	4	R3 R4 R116 R117	22.1	RES_CHIP;0201;1%;1/20W;22.1 OHM	RMC1/20-22R1FPA (KAMAYA INC.) ERJ1GEF22R1C (PANASONIC) CR0201-20W-22R1FT (VENKEL LTD.) CRCW020122R1FN (VISHAY) WR02X22R1FAL (WALSIN)	SMD-0201	
19	G020Z-0002091	ROHS (EU)	2	R58 R98	5.11K	RES_CHIP;0201;1%;1/16W;5.11K OHM	ERJ1GEF5111C (PANASONIC) CRCW02015K11FKED (VISHAY) RC0201FR-075K11L (YAGEO)	SMD-0201	
20	G020Z-0201N0000	ROHS (EU)	7	R100 R137 R138 R139 R143 R148 R151	0	RES_CHIP;0201;0.5A-50 MOHM;1/20W;0 OHM	ERJ1GE0R00C (PANASONIC) MCR006YZPJ000 (ROHM) CR0201-20W-000T (VENKEL LTD.) CRCW02010000Z0 (VISHAY) WR02X000 PAL (WALSIN)	SMD-0201	
21	G020Z-0002105	ROHS (EU)	2	R141 R142	1.80	RES_CHIP;0402;1%;1/16W;1.80 OHM	CRCW04021R80FKED (VISHAY) RC0402FR-071R8L (YAGEO)	SMD-0402	
22	G020Z-0402A0000	ROHS (EU)	9	R63 R130 R131 R133 R134 R135 R136 R147 R152	0	RES_CHIP;0402;1A-50 MOHM;1/16W;0 OHM	RM04J000CT-LF (CAL-CHIP) CR020000J002 (COMPOSTAR) RK73Z1ETTP (KOA-SPEER ELECTRONICS) ERJ2GE0R00X (PANASONIC) MCR01MZPJ000 (ROHM)	SMD-0402	
23	REF-CX21986-10Z	ROHS (EU)	1	U1	CX21986-10Z	IC;WLCSP-43;CX21986;AUDIO	(Synaptics)	WLCSP-43	C

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24	G150Z-0000725	ROHS (EU),HALOGEN-FREE	1	U3	TPS627431	REG_SW;DSBGA-8;TPS627431;STEP DN 1.2MHZ 400MA 1.3-3.1V OUT;INDT;2.15-5.5V	TPS627431YFPT (TI)	DSBGA-8	
25	G070Z-0001858	ROHS (EU)	1	U4	EEPROM 64Kb	IC_EEPROM;DFN-8EP;SERIAL 2-WIRE;64KB (8KX8);INDT;2.5-5.5V	24LC64T-I/MC (MICROCHIP TECH.)	DFN-8EP	
26	G010Z-0001280	ROHS (EU)	10	C96 C97 C98 C99 C100 C102 C106 C107 C108 C109	330PF	CAP_CER/X7R;0201;16V;10%;330PF	0201YC331KAT2A (AVX) GRM033R71C331KA01 (MURATA)	SMD-0201	DNE
27	G500-9515		2	TP1 TP2	DNE	PAD_SM;0.020IN. RD/NO SLKSCRN			DNE
28	G500-0000928		8	TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27	TP032x070	PAD_SM;0.032X0.070IN./NO SLKSCRN		SM PAD	DNE