

## Bill of Material For Job-00497 UCS1002 USB Chrg Ctlr SMBus



Quantity	Designator	Description_	Manufacturer	Manufacturer Part Number 1	Vendor	Manufacturer 1
5	C1 C2 C5 C8 C13	CAPACITOR CERAMIC 0.1UF 50V 10% X7R 0603	MURATA ERIE	GRM188R71H104KA93D	Digi-Key	490-1519-1-ND
1	C3	CAPACITOR CERAMIC 0.01UF 16V 10% X7R 060	PANASONIC	ECJ-1VB1C103K	Digi-Key	PCC1750CT-ND
2	C4 C14	CAPACITOR TANTALUM LOWESR 10UF 10V 10% S	AVX	TPSA106K010R0900	Digi-Key	478-1751-1-ND
2	C6 C9	CAPACITOR CERAMIC 1.0UF 50V Y5V 0805	TDK	C2012Y5V1H105Z	Digi-Key	445-1364-1-ND
2	C11 C12	CAPACITOR CERAMIC 470PF 50V 10% X7R 0603	MURATA ERIE	GRM188R71H471KA01D	Digi-Key	490-1489-1-ND
1	C15	CAPACITOR TANT LOESR 150UF 10V 10% SMD	AVX	TPSD157K010R0100	Digi-Key	478-1781-1-ND
1	C26	CAPACITOR CERAMIC 1.0UF 16VDC 10% X5R 06	PANASONIC	ECJ-1VB1C105K	Digi-Key	PCC2224CT-ND
3	D1 D2 D6	TVS 260W 5.0V UNIDIRECT SOD-523	DIODES INC	T5V0S5-7	Digi-Key	T5V0S5DICT-ND
2	D4 D5	TVS ZENER BI-DIR 5V SOD-882	NXP	PESD5V0X1BL	Digi-Key	568-4674-1-ND
5	EGND1 EGND2 EGND3 SGND1 SGND2	TEST POINT	KEYSTONE	5015	Digi-Key	5015KCT-ND
1	J2	RECEPTACLE, USB, STYLE B, RIGHT ANGLE	TYCO ELECTRONICS	292304-1	Digi-Key	A31725-ND
1	J3	CONNECTOR POWER JACK 5.5MM X, 2.5A, RA	SWITCHCRAFT	RAPC722X	Digi-Key	SC1313-ND
11	J4 J5 J6 J7 J8 J9 J10 J11 J15 J16 J18	HEADER, 1 X 2, 0.1 INCH, VERTICAL	MOLEX	22-28-4020	Digi-Key	WM6402-ND
4	J12 J13 J14 J17	HEADER, 2 X 8, 0.1 INCH, VERTICAL	SAMTEC	TSW-108-07-L-D	Digi-Key	SAM1030-08-ND
1	L1	CHOKER COMMON MODE 330MA 90OHM	MURATA ERIE	DLW21HN900SQ2L	Digi-Key	490-1064-1-ND
2	LED2 LED3	LED YELLOW 0603	STANLEY	AY1111C-TR	Digi-Key	404-1002-1-ND
1	LED4	LED RED CLEAR 0603 SMT	LITEON	LTST-C190CKT	Digi-Key	160-1181-1-ND
1	LED5	LED GREEN SMT	STANLEY	BG1111C-TR	Digi-Key	404-1005-1-ND
2	P1 P4	RECEPTACLE, USB, STYLE B, RIGHT ANGLE	FCI	87520-0010BLF	Digi-Key	609-1045-ND
1	P2	CONNECTOR HEADER 8 POS 2MM RT ANG GOLD	MOLEX	87833-0820	Digi-Key	WM18860-ND
1	P3	CONNECTOR RECEPT USB MINI B R/A 5POS SMD	MOLEX	54819-0572	Digi-Key	WM17116CT-ND
9	R1 R2 R3 R4 R5 R6 R7 R12 R44	RESISTOR 10.0K OHM 1/10W 1% 0603	YAGEO	RC0603FR-0710KL	Digi-Key	311-10.0KHRCT-ND
2	R8 R9	RESISTOR 2.2K OHM 1/10W 5% 0603 SMD	PANASONIC	ERJ-3GEYJ222V	Digi-Key	P2.2KGCT-ND
15	R11 R26 R27 R32 R36 R37 R42 R43 R58 R59 R60 R61 R62 R70 R71	RESISTOR ZERO OHM 1/10W 5% 0603	YAGEO	RC0603JR-070RL	Digi-Key	311-0.0GRCT-ND
2	R13 R45	RESISTOR 12.0K OHM 1/10W 1% 0603	YAGEO	RC0603FR-0712KL	Digi-Key	311-12.0KHRCT-ND
2	R14 R46	RESISTOR 15.0K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-0715KL	Digi-Key	311-15.0KHRCT-ND
2	R15 R47	RESISTOR 18.0K OHM 1/10W 1% 0603	YAGEO	RC0603FR-0718KL	Digi-Key	311-18.0KHRCT-ND
2	R16 R48	RESISTOR 22.0K OHM 1/16W 1% 0603 SMD	YAGEO	RC0603FR-0722KL	Digi-Key	311-22.0KHRCT-ND
2	R17 R50	RESISTOR 27.0K OHM 1/16W 1% 0603 SMD	VISHAY-DALE	CRCW060327K0FKEA	Digi-Key	541-27.0KHCT-ND
2	R18 R49	RESISTOR 33K OHM 1/10W 1% 0603	YAGEO	RC0603FR-0733KL	Digi-Key	311-33.0KHRCT-ND
2	R19 R51	RESISTOR 47.0K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-0747KL	Digi-Key	311-47.0KHRCT-ND
2	R20 R52	RESISTOR 56K OHM 1/10W 5% 0603 SMD	YAGEO	RC0603JR-0756KL	Digi-Key	311-56KGRCT-ND
2	R21 R53	RESISTOR 68.0K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-0768KL	Digi-Key	311-68.0KHRCT-ND
2	R22 R54	RESISTOR 82.0K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-0782KL	Digi-Key	311-82.0KHRCT-ND

2	R23 R55	RESISTOR 100K OHM 1/10W 1% 0603	YAGEO	RC0603JR-07100KL	Digi-Key	311-100KGRCT-ND
2	R24 R56	RESISTOR 120K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-07120KL	Digi-Key	311-120KHRCT-ND
2	R25 R57	RESISTOR 150K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-07150KL	Digi-Key	311-150KHRCT-ND
3	R28 R29 R31	RESISTOR 330 OHM 1/16W 3300PPM 5% 0603	PANASONIC	ERA-V33J331V	Digi-Key	P330CHCT-ND
1	R30	RESISTOR 2.00K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-072KL	Digi-Key	311-2.00KHRCT-ND
2	R34 R35	RESISTOR 33 OHM 1/10W 5% 0603	YAGEO	RC0603JR-0733RL	Digi-Key	311-33GRCT-ND
3	R63 R64 R65	RESISTOR 1.00K OHM 1/10W 1% 0603 SMD	YAGEO	RC0603FR-071KL	Digi-Key	311-1.00KHRCT-ND
4	R66 R67 R68 R69	RESISTOR 1.00M OHM 1/16W 1% 0402 SMD	YAGEO	RC0402FR-071ML	Digi-Key	311-1.00MLRCT-ND
9	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9	TEST POINT, EXPOSED PAD 10X10			Digi-Key	
2	TP10 TP16	TEST POINT LOOP COMPACT YELLOW	KEYSTONE	5009	Digi-Key	5009K-ND
2	TP11 TP14	TEST POINT LOOP COMPACT WHITE	KEYSTONE	5007	Digi-Key	5007K-ND
1	U3	IC 8051 MCU FLASH 64K 48TQFP	SILICON LABS	C8051F340-GQ	Digi-Key	336-1298-ND

**Microchip Parts listed below**

1	U1	UCS1001-X	Microchip Technology Inc	UCS1001	Microchip	UCS1001
1	U1	UCS1002-X	SMSC	UCS1002		

**Mechanical Parts to be added in the package**

4	B1, B2, B3, B4	BUMPON CYLINDRICAL .312X.210 BLK	3M	SJ61A11	Digi-Key	SJ5747-0-ND
1	5V transformer	ADAPTER WALL R-SERIES 20W 5V	PHIHONG USA	PSAA20R-050	Digi-Key	993-1042-ND
1	AC plug	ADAPTER WALL R-SERIES CLIP US	PHIHONG USA	RPA	Digi-Key	993-1054-ND