

KHT5005-Wireless Digital Universal TX

Components on KHT5005-Wireless Digital Tx PCB

Comment	Description	Designator	Quantity
Shield Box (Top)	SHIELD BOX-PCB 35.2x40.1x8xT0.2 PHOS-BRONZE NI		1
Shield Box (Bottom)	SHIELD BOX-BOTTOM PCB 35.2x40.1x8xT0.2 NI		1
3.3uF 0805	3.3uF +-10% 0805, GRM21BR61A335KA73	C75, C76	2
1uF 25V	CC 25V 1uF +-10% 0603	C68, C69, C73	3
100pF 50V	CC 50V 100p 5% 0603	C54, C58, C63, C64	4
0.01uF 50V	CC 50V 0.01U 10% 0603	C33	1
0.1uF 50V, Cap Semi	CC 50V 0.1uF 10% 0603	C4, C5, C8, C11, C12, C13, C16, C18, C20, C24, C25, C26, C27, C28, C30, C50, C51, C67, C71, C72, C74	21
3300pF 50V	CC 50V 3300PF 5% 0603	C77, C78	2
470pF 50V 0805	CC 50V 470PF 5% 0805 1.2X2.0	C38, C42	2
10uF, 16V	CT 16V 10UF 20% SMD 1.6x3.2	C32, C56, C57, C79, C80	5
220uF 16V	Capacitor Tantalum, SMD, 220UF, 16V F751C227MRC	C1, C19, C34, C52	4
47uF 16V	CT 16V 47UF 20% SMD F931C476MCC (6.0x3.2x2.2)	C17, C36, C37, C40, C41, C53	6
100uF 16V	CE 16V 100U 20% SM 6.3X7.7 LOW ESR NOVER	C2, C15	2
22uF 16V	CE 16V 22U 20% SM 5.0X5.8 LOW ESR NOVER	C9, C10	2
220uF 16V	CE 16V 220U 20% SM 8X10 LOW ESR NOVER	C14	1
47uF 16V	CE 16V 47U 20% SM 6.3X5.8 LOW ESR NOVER	C7	1
47pF 50V	CTC 0/60 47PF 5% 0603 0.8X1.6	C39, C43	2
470pF 100V 0603	CTC 0/60 470PF 5% 0603	C70, C81	2
PCB PWR Adaptor Board	PCB TRANSMITTER FR4, 4 layers, 1mm Thickness, 15mmx67mm, Power Adaptor Board (part A)		1
PCB Tx Board	PCB TRANSMITTER FR4, 4 layers, 1mm Thickness, 105.5mmx67mm, Transmitter Board (part B)		1
Inductor 100UH	INDUCTOR 100UH 20% 4.6X4.6 1002AS-101M SM TOKO	L1	1
EMI Filter	EMI filter BK 1608LM182-T	FB1, FB2, FB3, FB4, FB5, FB6	6
AC Adaptor (BS)	ADAPTOR SMPS AC100-240/DC6V 0.8A UL/GS/EN WAHHIN		1
AC Adaptor (Europe)	ADAPTOR SMPS AC100-240/DC6V 0.8A UL/GS/EN 3M WAHHIN		1
AC Adaptor (US)	ADAPTOR SMPS AC100-240/DC6V 0.8A UL/GS/EN 3M WAHHIN		1
1x8 Pin Header-Male	HEADER 8P P1.27 STRAIGHT SINGLE ROW M	CN1	1
IPOD Jack	Socket IPOD	J1	1
DC Jack	JACK DC PWR 3P P2.5 6VDC 0.8A D6.3 WELL LONG	DC1	1
TL072	IC TL072CDR Dual JFET Input OpAmp, SMD	U8, U9	2
Positive-OR Gate	IC SN74AHC1G32DBVR	U5	1
Audio to Digital Converter	IC CS5341CZZ 24-BIT 192K	U11	1
Shift Register	IC CMOS 8B SHIFT REGISTER SN74HC165PW TSSOP16 TI	U2, U3	2
Regulator	IC L.D.O VOLTAGE REG LM1117S-ADJ SOT-223 HTC	U1	1
Voltage Detector	IC VOLTAGE DETECTOR 3.2V XC61CN3202MR SOT23 TOREX	U4	1
XC6371A701PR (TOREX)	IC REG STEP UP DC/DC XC6371A701PR	U7	1

Voltage Regulator	IC VOLTAGE REG 3.5V XC6209F352MR SOT-25 TOREX	U12	1
LED	LED LOW CURRENT SC BLUE	D1	1
2.4GHz PIFA Antenna	ANTENNA-PCB PHOS-BRONZE TX KFACWL+06CP24	An1	1
Relay	RELAY 5VDC 1A DPDT BP-5 BESTAR	RL1	1
1R	RMG 1/8W 1R 5% 1206	R8, R93, R94	3
2R	RMG 1/8W 2R 5% 1206	R4, R6	2
0R	RMG 1/16W 0R 5% 0603/1608	JP13, JP16, JP18 , L2, L3, L4, L5, R69, R70, R71, R72, R99, R100, R110, R200	15
1K	RMG 1/16W 1K 1% 0603	R55, R102, R106	3
10K	RMG 1/16W 10K 1% 0603	R88, R95, R98, R115, R116 , R199	6
100K	RMG 1/16W 100K 1% 0603	R111, R112, R113, R114	4
1M	RMG 1/16W 1M 1% 0603	R7	1
1.20K	RMG 1/16W 1.2k 1% 0603	R1, R56	2
18K	RMG 1/16W 18K 1% 0603	R89, R90	2
2K	RMG 1/16W 2k 1% 0603	R2	1
20K	RMG 1/16W 20K 1% 0603	R26, R27, R28, R29, R30, R31, R32, R34, R35, R36, R37, R38, R39, R40, R41	15
270R 2512	RMG 1W 270R 1% 2512	R77, R78	2
33R	RMG 1/16W 33R 5% 0603	R49	1
4.7R	RMG 1/16W 4.7R 5% 0603/1608	R109	1
560R	RMG 1/16 560R 1% 0603	R117, R118	2
620R	RMG 1/16 620R 1% 0603	R101, R105	2
680R	RMG 1/16W 680R 1% 0603	R73, R75	2
6.8K	RMG 1/16W 6.8K 1% 0603	R57, R58, R62, R63	4
750R	RMG 1/16 750R 1% 0603	R59, R60, R61, R64	4
Diode	DIODE SCHOTTKY 40V 1A SS14W SMA SM PANJIT	D10	1
Zener Diode	ZENER DIODE 1/2W 10V SMD	D5	1
Zener Diode	ZENER DIODE 1/2W 4.3 SMD	D6	1
PJDLC05	SUPPRESSOR TV 400W 5VPJDLC05 SOT-23 SM PANJIT	DA5, DA6, DA9, DA10	4
PJDLC24	SUPPRESSOR TV 400W 24VPJDLC24 SOT-23 SM PANJIT	DA1, DA2, DA3, DA4	4
Dip Switch 7-pos	SW DIP 7POS P2.54	SW1	1
Power Switch	SW PWR DPDT 30VDC 0.1A, SFPD19A605-GK FORWARD	SW7	1
Audio Cable (iPOD)	CABLE SPEAKER 4P 18AWG L=1.5M		1
Audio Cable (RCA to 3.5 stereo)	CABLE AUDIO 26AWG L=1.5M 3.5mm		1
Audio Cable (3.5 to 3.5 stereo)	CABLE AUDIO 1.5M 3.5mm Stereo		1
TX Module	MODULE WHAM2 TX WH4910 DIGITAL IO 25M EE	CN2	1
LED Wire (-ve)	CABLE AWG26 (BLACK) L=13mm		1
LED Wire (+ve)	CABLE AWG26 (RED) L=13mm		1
Power Wire (-ve)	CABLE AWG20 (BLACK) L=18mm		1
Power Wire (+ve)	CABLE AWG20 (RED) L=18mm		1