

MODEL: BPT104A720		NAME: OT104A-72M		REV: A/01	DATE: 2007-01-15	
NO.	NAME	SPECIFICATION	Quantity	DESIGNATOR	REMARK	Attestation no.
1	Chip-RES	SMD 0 Ω \pm 5% 0805 1/10W	15	J1-J9, C1, C31, C32, C34, C53, C54		
2	Chip-RES	SMD 1K \pm 5% 0805 1/10W	2	R10, R26		
3	Chip-RES	SMD 10K \pm 5% 0805 1/10W	4	R14, R16, R17, R24		
4	Chip-RES	SMD 100K \pm 5% 0805 1/10W	1	R21		
5	Chip-RES	SMD 1.2K \pm 5% 0805 1/10W	3	R15, R22, R23		
6	Chip-RES	SMD 1.5K \pm 5% 0805 1/10W	4	R42, R49-51		
7	Chip-RES	SMD 200 Ω \pm 5% 0805 1/10W	4	R27-R30		
8	Chip-RES	SMD 22 Ω \pm 5% 0805 1/10W	2	R7, R11		
9	Chip-RES	SMD 220 Ω \pm 5% 0805 1/10W	2	R5, R25		
10	Chip-RES	SMD 220K \pm 5% 0805 1/10W	1	R13		
11	Chip-RES	SMD 2.4K \pm 5% 0805 1/10W	3	R6, R36, R37		
12	Chip-RES	SMD 2.2 Ω \pm 5% 0805 1/10W	3	R2, R3, R4		
13	Chip-RES	xa	1	R9		
14	Chip-RES	SMD 47K \pm 5% 0805 1/10W	7	R18-R20, R32, R35, R39, R53		
15	Chip-RES	SMD 56 Ω \pm 5% 0805 1/10W	1	R8		
16	Chip-RES	SMD 680 Ω \pm 5% 0805 1/10W	2	R1, R12		
17	Chip-RES	SMD 1K \pm 1% 0805 1/10W	2	R46, R47		
18	Chip-RES	SMD 1.5K \pm 1% 0805 1/10W	1	R44		
19	Chip-RES	SMD 15K \pm 1% 0805 1/10W	1	R48		
20	Chip-RES	SMD 18K \pm 1% 0805 1/10W	2	R38, R43		
21	Chip-RES	SMD 20K \pm 1% 0805 1/10W	1	R45		
22	Potentionmeter	1K \pm 20% 7*7mm	1	VR2		
23	Potentionmeter	10K \pm 20% 7*7mm	1	VR1		
24	Capacitance	47uF/16V \pm 20% 105°C MIN/E-CAP 5*7mm	3	C40, C22, C38		
25	Capacitance	47uF/16V \pm 20% 105°C MIN/E-CAP 4*7mm	1	C46		
26	Capacitance	222/100VK	1	C19		
27	Capacitance	CAP MULTILAYER 100PF/50V J0805 NPO	1	C16		
28	Capacitance	CAP MULTILAYER 102/50V K0805 X7R	6	C6, C17, C23-C26		
29	Capacitance	CAP MULTILAYER 104/50V M0805 X7R	20	C18,C21,27-30,33,35-37,39,45,47,49,50,52,55-58		

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30	Capacitance	CAP MULTILAYER 105/16V M0805 Y5V	1	C48		
31	Capacitance	CAP MULTILAYER 18PF/50V J0805 NPO	2	C3, C59		
32	Capacitance	CAP MULTILAYER 25PF/50V J0805 NPO	2	C41, C42		
33	Capacitance	CAP MULTILAYER 333/50V K0805 X7R	4	C5, C8, C9, C14		
34	Capacitance	CAP MULTILAYER 30PF/50V J0805 NPO	3	C7, C12, C13		
35	Capacitance	CAP MULTILAYER 470PF/50V K0805 X7R	1	C20		
36	Capacitance	CAP MULTILAYER 56PF/50V J0805 NPO	3	C2, C4, C10		
37	Capacitance	CAP MULTILAYER 68PF/50V J0805 NPO	1	C15		
38	Capacitance	CAP MULTILAYER 1PF/50V C0805 NPO	1	C11		
39	IC	EMC EM78P458AM 01 SOL-20	1	IC1		
40	IC	SMD LM78L05 SOT-89	1	IC2		
41	IC	LM324, SOP-14(ST)	1	U2		
42	IC	SMD TL431 SOT-23±0.5%	1	U1		
43	Transistor	High Frequency Transistor 2SC9018 SOT-23	2	Q2, Q3		
44	Transistor	Transistor,,F=6.5G, SMD 2SC3357 SOT-89	1	Q1		
45	Transistor	Transistor MMBT9014LTI SOT23 1A Motorola(ON)	3	Q4, Q5, Q6		
46	Diode	1N4148 LL-34	1	R52		
47	Diode	1N5231B 5.1V/20mA1206	1	D3		
48	Diode	Diode 1N4004(M4) DO-214AC	1	D2		
49	Diode	SMD 0805, MARK=Yellow+S, BB910(PHILIPS)	1	D1		
50	LED	2.5A5G3UC GREEN	3	LED3-5		
51	LED	2.5A5R3UC RED	1	LED1		
52	LED	2.5A5Y3UC YELLOW	1	LED2		
53	Crystal	H=3.5mm HC-49S TX4.000MHZ ±20ppm	1	XY2		
54	R. F. COIL	BS75-642	2	IFT1, IFT2		
55	R. F. COIL	BS75-643	3	IFT3, IFT4, IFT5		
56	Inductance	2.7uH±10% 0.32Ω CHOKE COLL TWE4-2R7K	1	L1		
57	Inductance	330uH ±10% AL0510	1	L2		
58	Switch	SS22D32-G5	1			

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59	Socket	DC-05 2.1mm	1	JACK		
60	Socket	DK-J1001 S=5mm 11*5mm H=3mm	1	XY1		
61	Connector	3Pin 90 T=2.54mm White	2	CON4, CON5		
62	Wire	XA150201	1	CON3		E77981
63	Wire	XA140308	1	Switch		E77981
64	Wire	XA175001	1	CON2		E77981
65	Jumper	φ 0.6*5*3mm	2	JP3-4		
66	Jumper	φ 0.6*13*3mm	1	JP7		
67	Jumper	φ 0.6*15*3mm	3	JP1, JP2, JP6		
68	PCB	OT1-1, 235*47mm Only Layer 94HB T=1.6mm REV:03	1	PCB		E303692
69	Crystal	HC-50U Series TX72. xMHZ ±10ppm	1	XY1		

APPROVED:

CHECKED:

DESIGN: