

### Bal PCM63 Ver 2 Bill Of Material

Parts	Qty in BOM	Brand	Total	Price	Comment
2AS970BL	4	Toshiba	\$ 0.80	\$ 0.20	hfe >300
2SC2240BL	5	Toshiba	\$ 1.00	\$ 0.20	hfe >300
2SJ74	10	Toshiba	\$ 10.00	\$ 1.00	Matched Idss
2SK170	10	Toshiba	\$ 10.00	\$ 1.00	Short of K170 with Idss > 10ma 4 pcs
T1 51698-LF3	2	Midcom	\$ 4.00	\$ 2.00	
74HC86	3	Motorola	\$ -		Fairchild or NS
BYV27-150	16	Philips	\$ 7.20	\$ 0.45	
35V1000uf	8	Pana FC	\$ -		Pitch 5mm
16V120uf	17	Pana FC	\$ 2.55	\$ 0.15	Pitch 2.55mm
16V220uf	1	Pana FC	\$ -		Pitch 5mm
50V22uf	56	Pana FC	\$ 8.40	\$ 0.15	Pitch 2.55mm
35V330uf	12	Pana FC	\$ 3.00	\$ 0.25	Pitch 5mm
16V0.01uf	2	Feng Hua	\$ 0.20	\$ 0.10	Leaded ceramic
63V0.1uf	106	Epcos or S+M	\$ 10.60	\$ 0.10	Pitch 5mm
160V0.1uf	4	Epcos	\$ 0.80	\$ 0.20	Pitch 7.5mm
50V10nf	4	Evox	\$ -		Pitch 5mm
160V10uf	4	Rifa MKP	\$ -		Rifa PHE426 Pitch 28.4mm (1.12 in)
63V4500pf	1	Epcos	\$ -		No Need
100V150pf	2	CDE silver mica	\$ -		Pitch 5mm
63V2n2	4	Epcos	\$ -		Pitch 5mm
50V330pf	1	Murata	\$ -		Pitch 5mm
50V470pf	4	Evox	\$ -		Pitch 5mm
63V47nf	1	Feng Hua	\$ 0.10	\$ 0.10	Pitch 5mm
CS8414	1	crystal	\$ -		Look for Diyaudio.com
1N4148	2	Any	\$ 0.10	\$ 0.05	
Conn 3 pin	3	DT-126-03P	\$ -		Pitch 5mm
Conn 2 pin	7	DT-126-02P	\$ -		Pitch 5mm
Pins	2	2.54mm x 40	\$ 0.10	\$ 0.05	Pitch 2.5mm
47uH	21	China	\$ -		Can use jumper wire to replace
IRF610	2	IR	\$ 2.00	\$ 1.00	
IRF9610	2	KEC	\$ 2.00	\$ 1.00	
LM7805CT	2	ST	\$ -		
LM7808CT	1	ST	\$ -		
LM317T	4	ST	\$ 2.00	\$ 0.50	
LM337T	4	ST	\$ -		
PCM63PK	4	BB	\$ -		
100R	8	Metal film 1% 1/4W	\$ -		Pitch 12.7mm for all resistor and inductor
100K	6	Metal film 1% 1/4W	\$ -		
100R	12	Metal film 1% 1/4W	\$ -		
10R	2	Metal film 1% 1/4W	\$ -		
10K	13	Metal film 1% 1/4W	\$ -		
150R	15	Metal film 1% 1/4W	\$ -		
1K	5	Metal film 1% 1/4W	\$ -		
1K5	4	Metal film 1% 1/4W	\$ -		
1K5	4	Metal film 1% 1/4W	\$ -		
20K	4	Metal film 1% 1/4W	\$ -		
220K	4	Metal film 1% 1/4W	\$ -		
22R	4	Metal film 1% 1/4W	\$ -		
22K	1	Metal film 1% 1/4W	\$ -		
300R	8	Metal film 1% 1/4W	\$ -		
330k (optional)	8	Metal film 1% 1/4W	\$ -		Optional
33R	4	Metal film 1% 1/4W	\$ -		
3K	2	Metal film 1% 1/4W	\$ -		
47R	2	Metal film 1% 1/4W	\$ -		
51k or 50k	4	Metal film 1% 1/4W	\$ -		
56K	1	Metal film 1% 1/4W	\$ -		
5R1	2	Metal film 1% 1/4W	\$ -		
5K6	4	Metal film 1% 1/4W	\$ -		
75R	1	Metal film 1% 1/4W	\$ -		
9K1	2	Metal film 1% 1/4W	\$ -		
5Vdc relay	1	Takamisawa	\$ -		
SM5842	1	NPC	\$ -		NO need if use SM5847 and converter bd
VR 1K 20T top Adj	4	Bourns	\$ -		Pitch 2.54mm, top adjust
VR 50R 20T top Adj	4	Bourns	\$ -		Pitch 2.54mm, top adjust
VR 5K 20T top Adj	4	Bourns	\$ -		Pitch 2.54mm, top adjust
VR 100K 20T top adj	4	Bourns	\$ -		Pitch 2.54mm, top adjust
VR 100K 20T top adj	0	Bourns	\$ -		Optional; need 8 pcs
Bead	1	China	\$ 0.15	\$ 0.15	2.54mm pitch
0.1u 50V X7R	6	Murata	\$ 0.30	\$ 0.05	0603 size ceramic for 8414/5847 board
Ver2 PCB	1	Spencer	\$ 25.00	\$ 25.00	
8414 conveter bd	1	Spencer	\$ 1.00	\$ 1.00	
SM5847 converter bd with pins and caps	1	Spencer	\$ 5.00	\$ 5.00	Optional if use SM5847 DF
Pins for 8414 & 5847	5	Spencer	\$ -	\$ -	Included in converter boards
IC socket 28 pins	6		\$ -		
IC socket 14 pins	3		\$ -		
Transformers 30VA	2	Farnell potted	\$ -		Farnell 30VA 25V x 2 and 9V x 2
TL431C	8	ST	\$ 1.20	\$ 0.15	
Heat sink big	12		\$ -		
Heat sink small	3		\$ -		
			\$ -		
		Sub Total USD	\$ 97.50		
		Freight & packing	\$ 10.00		subject to change depending on final weight
		Grand Total USD	\$ 107.50		
		Paypal add 4%	\$ 111.80		