

x0x-heart BOM

Part	Value	Tolerance	Package	Part Number	Manufacturer
C1	10uF/16V	10%/X7R	0805		
C2	1uF/50V	10%/X7R	0805		
C3	1uF/50V	10%/X7R	0805		
C4	1uF/50V	10%/X7R	0805		
C5	1uF/50V	10%/X7R	0805		
C6	1nF/50V	10%/X7R	0805		
C7	47uF/25V	20%	6.3mm x 5.3mm SMT		
C8	10uF/16V	10%/X7R	0805		
C10	10nF/50V	5%/C0G	0805		
C11	1uF/50V	10%/X7R	0805		
C13	1uF/50V	10%/X7R	0805		
C14	1uF/50V	10%/X7R	0805		
C15	1uF/50V	10%/X7R	0805		
C16	10uF/16V	10%/X7R	0805		
C17	1uF/50V	10%/X7R	0805		
C18	18nF/50V	5%/C0G	0805		
C19	33nF/50V	5%/C0G	0805		
C20	10nF/50V	5%/C0G	0805		
C21	10nF/50V	5%/C0G	0805		
C22	1uF/50V	10%/X7R	0805		
C23	1uF/50V	10%/X7R	0805		
C24	33nF/50V	5%/C0G	0805		
C25	100nF/50V	10%/X7R	0805		
C26	33nF/50V	5%/C0G	0805		
C27	100nF/50V	10%/X7R	0805		
C28	47uF/25V	20%	6.3mm x 5.3mm SMT		
C29	1uF/50V	10%/X7R	0805		
C30	10uF/16V	10%/X7R	0805		
C31	47uF/25V	20%	6.3mm x 5.3mm SMT		
C32	47uF/25V	20%	6.3mm x 5.3mm SMT		
C33	10nF/50V	5%/C0G	0805		
C34	1nF/50V	10%/X7R	0805		
C35	100nF/50V	10%/X7R	0805		
C36	33nF/50V	5%/C0G	0805		
C37	10uF/16V	10%/X7R	0805		
C38	1uF/50V	10%/X7R	0805		
C40	10uF/16V	10%/X7R	0805		
C41	100nF/50V	10%/X7R	0805		
C42	1uF/50V	10%/X7R	0805		
C52	10uF/16V	10%/X7R	0805		
C53	47uF/25V	20%	6.3mm x 5.3mm SMT		
C54	47nF/50V	10%/X7R	0805		
C55	47uF/25V	20%	6.3mm x 5.3mm SMT		
C56	1uF/50V	10%/X7R	0805		
C58	1uF/50V	10%/X7R	0805		
C59	1uF/50V	10%/X7R	0805		
C62	1uF/50V	10%/X7R	0805		
C72	10uF/16V	10%/X7R	0805		
D1	MBR0530	30V/0.5A	SOD-123	MBR0530	
D24	1N4148		SOT-23-3	MMBD4148	

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D25	1N4148		SOT-23-3	MMBD4148	
D26	1N4148		SOT-23-3	MMBD4148	
D27	1N4148		SOT-23-3	MMBD4148	
D28	1N4148		SOT-23-3	MMBD4148	
D29	1N4148		SOT-23-3	MMBD4148	
D30	1N4148		SOT-23-3	MMBD4148	
D31	1N4148		SOT-23-3	MMBD4148	
D34	1N4148		SOT-23-3	MMBD4148	
D35	1N4148		SOT-23-3	MMBD4148	
D36	1N4148		SOT-23-3	MMBD4148	
D37	1N4148		SOT-23-3	MMBD4148	
J1	0.1"		16P/DIP		
J2	0.1"		6P/SIP		
J3	0.1"		6P/SIP		
J4	0.1"		3P/SIP		
J5	0.1"		2P/SIP		
J6	0.1"		3P/SIP		
J7	0.1"		3P/SIP		
J8	0.1"		3P/SIP		
J9	0.1"		3P/SIP		
J10	0.1"		3P/SIP		
J11	0.1"		2P/SIP		
L1	8.2uH	30%	6mm x 6mm SMT	SRN6045-8R2Y	Bourns
Q1	PMP4201		SOT-363	PMP4201Y	NXP
Q2	PMP4201		SOT-363	PMP4201Y	NXP
Q3	PMP5201		SOT-363	PMP5201Y	NXP
Q4	PMP5201		SOT-363	PMP5201Y	NXP
Q5	PMP5201		SOT-363	PMP5201Y	NXP
Q6	PMP4201		SOT-363	PMP4201Y	NXP
Q7	PMP4201		SOT-363	PMP4201Y	NXP
Q9	PMP4201		SOT-363	PMP4201Y	NXP
Q10	PMP5201		SOT-363	PMP5201Y	NXP
Q11	PMP4201		SOT-363	PMP4201Y	NXP
Q12	PMP4201		SOT-363	PMP4201Y	NXP
Q13	PMP5201		SOT-363	PMP5201Y	NXP
Q14	PMP4201		SOT-363	PMP4201Y	NXP
Q15	PMP5201		SOT-363	PMP5201Y	NXP
Q16	PMP4201		SOT-363	PMP4201Y	NXP
Q17	PMP4201		SOT-363	PMP4201Y	NXP
Q18	PMP5201		SOT-363	PMP5201Y	NXP
Q19	PMP4201		SOT-363	PMP4201Y	NXP
Q20	PMP4201		SOT-363	PMP4201Y	NXP
Q21	PMP4201		SOT-363	PMP4201Y	NXP
Q22	PMP4201		SOT-363	PMP4201Y	NXP
Q23	PMP4201		SOT-363	PMP4201Y	NXP
Q24	PMP4201		SOT-363	PMP4201Y	NXP
Q25	PMP4201		SOT-363	PMP4201Y	NXP
Q26	PMP4201		SOT-363	PMP4201Y	NXP
Q27	PMP5201		SOT-363	PMP5201Y	NXP
Q28	2SK3666-2		SOT-23-3	2SK3666-2	ONsemi

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Q39	2SK3666-3		SOT-23-3	2SK3666-3	ONSem
R1	100	1%	0603		
R2	100k	1%	0603		
R3	47k	1%	0603		
R4	10k	1%	0603		
R5	1k	1%	0603		
R6	10k	1%	0603		
R7	10k	1%	0603		
R8	10k	1%	0603		
R9	2.2k	1%	0603		
R10	10k	1%	0603		
R11	2.2k	1%	0603		
R12	100k	1%	0603		
R13	100k	1%	0603		
R14	100k	1%	0603		
R15	100k	1%	0603		
R16	100k	1%	0603		
R17	100k	1%	0603		
R18	100k	1%	0603		
R19	100k	1%	0603		
R20	47k	1%	0603		
R21	10k	1%	0603		
R22	220k	1%	0603		
R23	47k	1%	0603		
R34	10k	1%	0603		
R35	100k	1%	0603		
R36	10k	1%	0603		
R45	22k	1%	0603		
R46	47k	1%	0603		
R47	10k	1%	0603		
R61	10k	1%	0603		
R62A	220k	1%	0603		
R62B	220k	1%	0603		
R63	220k	1%	0603		
R64	10k	1%	0603		
R65	10k	1%	0603		
R66	100k	1%	0603		
R67	2.2k	1%	0603		
R68	2.2k	1%	0603		
R69	2.2k	1%	0603		
R70	2.2k	1%	0603		
R71	2.2k	1%	0603		
R72	100k	1%	0603		
R73	100k	1%	0603		
R90	220k	1%	0603		
R94	10k	1%	0603		
R95	100	1%	0603		
R96	10k	1%	0603		
R97	10k	1%	0603		
R98	2.2k	1%	0603		
R99	100k	1%	0603		
R100	560	5%/3300PPM	0603	ERA-V33J561V	Panasonic

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R101	10k	1%	0603		
R102	100k	1%	0603		
R103	220k	1%	0603		
R104	2.2k	1%	0603		
R105	10k	1%	0603		
R106	27k	1%	0603		
R107	220k	1%	0603		
R108	2.2k	1%	0603		
R109	10k	1%	0603		
R110	22k	1%	0603		
R111	22k	1%	0603		
R112	10k	1%	0603		
R113	100k	1%	0603		
R114	100k	1%	0603		
R115	10k	1%	0603		
R116	10k	1%	0603		
R117	22k	1%	0603		
R118	100k	1%	0603		
R119	47k	1%	0603		
R120	22k	1%	0603		
R121	220k	1%	0603		
R122	100k	1%	0603		
R123	1.5M	1%	0603		
R124	2.2k	1%	0603		
R125	2.2k	1%	0603		
R126	2.2k	1%	0603		
R127	47k	1%	0603		
R128	220k	1%	0603		
R129	22k	1%	0603		
R130	100	1%	0603		
R131	220k	1%	0603		
R132	100	1%	0603		
R134	22k	1%	0603		
R136	100	1%	0603		
R137	1k	1%	0603		
R138	47k	1%	0603		
R139	22k	1%	0603		
R142	10k	1%	0603		
R143	10k	1%	0603		
R144	10k	1%	0603		
R145	10k	1%	0603		
R146	22k	1%	0603		
R148	10k	1%	0603		
R149	10k	1%	0603		
R150	22	1%	0603		
R151	22k	1%	0603		
R152	100	1%	0603		
R153	100k	1%	0603		
R154	100k	1%	0603		
R155	47k	1%	0603		
R156	100k	1%	0603		
R157	10k	1%	0603		
R158	10k	1%	0603		

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R160	10k	1%	0603		
R161	1k	1%	0603		
R162	2.2k	1%	0603		
R165	100k	1%	0603		
TM1	5k	25%	3mm SMT	TC33X-2-502	Bourns
TM3	500k	25%	3mm SMT	TC33X-2-504	Bourns
TM4	50k	25%	3mm SMT	TC33X-2-503	Bourns
TM5	5k	25%	3mm SMT	TC33X-2-502	Bourns
U1	NCP1406		SOT23-5	NCP1406SNT1G	ONsemi
U2	LM358		8-SOIC		
U3	TL431A	1%	SOT-23-3	TL431A*DBZ (* = I,Q,C)	TI
U4	CD40109		16-SOIC/WIDE	CD40109BNSR	TI
U5	CD40109		16-SOIC/WIDE	CD40109BNSR	TI
U6	CD4066		14-SOIC		
U11	LM358		8-SOIC		
U12	CD4066		14-SOIC		
Pots					
ACCENT	50kB				
CUTOFF	50kA				
DECAY	1MA				
ENVMOD	50kA				
RES1	50kB				
RES2	50kB				
TUNE	50kB				
VOL	50kA				