



File: PB120LP-VR2.brd

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Title:

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KiCad E.D.A.

Mongrel by OS (PB120LP-45V) BOM for 1 channel

Reference	Mfg.	Part No.	Description	Mouser Part No.	Farnell Part No.	Aus Supplier
Capacitors						
C86	EPCOS	B32529C104J	0.1uF 63V Polyester MKT	871-B32529C104J	1386677	Farnell
C88	illinois cap	107CKH063M	100uF 63V	647-UVR1J101MPD1TD	1167966	Farnell
C89	illinois cap	226RSS035M	22uF 35V	647-UVZ1V220MDD	1666111	Farnell
C90	EPCOS	B32529C104J	0.1uF 63V Polyester MKT	871-B32529C104J	1386677	Farnell
C92	illinois cap	107CKH063M	100uF 63V	647-UVR1J101MPD1TD	1167966	Farnell
C94	Panasonic	ECA1JAM222X	2200uF 63V	667-ECA-1JM222	8767572	Farnell
C95	Panasonic	ECA1JAM222X	2200uF 63V	667-ECA-1JM222	8767572	Farnell
C96	EPCOS	B32529C104J	0.1uF 63V Polyester MKT	871-B32529C104J	1386677	Farnell
C97	EPCOS	B32529C104J	0.1uF 63V Polyester MKT	871-B32529C104J	1386677	Farnell
C98	EPCOS	B32529C104J	0.1uF 63V Polyester MKT	871-B32529C104J	1386677	Farnell
C99	EPCOS	B32522C3104J	0.1uF 250V Film MKT	871-B32522C3104J	1712365	Farnell
Diodes						
LED	Multicomp	SSL-LX3044IC	3mm LED (Red or Green)	696-SSL-LX3044IC	7605493	Farnell
LED_Blue	Multicomp	VAOL-3GSBY4	3mm LED Blue	593-VAOL-3GSBY4	1712782	Farnell
D96	Multicomp	1N4004	400V 1A Diode	512-1N4004	1651084	Farnell
D97	Multicomp	1N4004	400V 1A Diode	512-1N4004	1651084	Farnell
Transistors						
Q95	STMicro	BD139	BD139 NPN (TO-126)	512-BD1396STU	1015770	Farnell
Q96	Toshiba	2SA1837	or 2SA1930 NPN (TO-220F)	757-2SA1837(F,M)	2SA1837	WES
Q97	Toshiba	2SC4793	or 2SC5171 PNP (TO-220F)	757-2SC4793(F,M)	2SC4793	WES
Q98	On-Semi	MJL1302AG	or MJL4302AG or 2SA1943	863-MJL1302AG	9557040	Farnell
Q99	On-Semi	MJL3281AG	or MJL4281AG or 2SC5200	863-MJL3281AG	1172585	Farnell
Q100	On-Semi	MJL1302AG	or MJL4302AG or 2SA1943	863-MJL1302AG	9557040	Farnell
Q101	On-Semi	MJL3281AG	or MJL4281AG or 2SC5200	863-MJL3281AG	1172585	Farnell
Resistors						
R75	Dale	CCF07	22R 1/2 W	71-CCF60-22.1	1769906	Farnell
R76	Dale	CCF07	56K 1/2 W	71-CCF07-G-56K	1769920	Farnell
R77	Dale	CCF07	15K 1/2 W	71-CCF07-G-15K	1769902	Farnell
R78	Dale	CCF07	22R 1/2 W	71-CCF60-22.1	1769906	Farnell
R85	Multicomp	MCMF0W	2.2K	71-CCF60-2.21K	1129093	Farnell
R86	Dale	CCF07	680	71-CCF07-G-680	1769921	Farnell
R87	Misc	3296W style	200R 25T trimmer	652-3296W-1-201LF	9353224	Farnell
R88	Dale	CCF60	10R 1/2 W	71-CCF60-10	1563898	Farnell
R91	Dale	CCF07	100R	71-CCF60-100	1769899	Farnell
R92	Dale	CCF07	100R	71-CCF60-100	1769899	Farnell
R93	Multicomp	MOR01	68R 1W	261-68-RC	1357878	Farnell
R94	Welwyn	MFP1	2.2R 1/2W	660-MF1/2DCT52R2R21F	1565375	Farnell
R94a	Welwyn	MFP1	2.2R 1/2W	660-MF1/2DCT52R2R21F	1565375	Farnell
R95	Welwyn	MFP1	2.2R 1/2W	660-MF1/2DCT52R2R21F	1565375	Farnell
R95a	Welwyn	MFP1	2.2R 1/2W	660-MF1/2DCT52R2R21F	1565375	Farnell
R96A	Welwyn	SQM5	0.22R 5W (SQM5 series)	280-PRM5-0.22-RC	1687934	Farnell
R96B	Welwyn	SQM5	0.22R 5W (SQM5 series)	280-PRM5-0.22-RC	1687934	Farnell
R97A	Welwyn	SQM5	0.22R 5W (SQM5 series)	280-PRM5-0.22-RC	1687934	Farnell
R97B	Welwyn	SQM5	0.22R 5W (SQM5 series)	280-PRM5-0.22-RC	1687934	Farnell
R98	Tyco	ROX2S	10R 2W (metal oxide)	282-10-RC	1738611	Farnell

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R99	Tyco	ROX2S	10R 2W (metal oxide)	282-10-RC	1738611	Farnell
Misc						
3 pcs	Weidmuller	PM5.08/2/90	2-way Euro block 5mm pitch	651-1755732	1131853	Farnell
6 pcs	Multicomp	Quik-connect	6.3mm PCB Spade (Male)	534-1213	4215618	Farnell
4 pcs	Littelfuse	01000054N	PCB mount fuse clips	576-01000054H	1835248	Farnell
Alternative Filter Capacitors						
C94	UCC	ESMH630VSN682MQ50T	6800uF 63V snap-in	598-SLPX682M063C9P3	1682038	Farnell
C95	UCC	ESMH630VSN682MQ50T	6800uF 63V snap-in	598-SLPX682M063C9P3	1682038	Farnell