

Linn Parts List (Bill of Materials) for PCAS 002

LK1 Control Board

Please note that this list is provided for guidance only. Linn Products cannot guarantee the accuracy of the information contained in the list and will not be held responsible for any errors that occur as a result of its use. Please double check that the details listed match the component that you are replacing.

How to follow a Bill of Materials (BOM)

The BOM may, at first glance seem quite confusing. Once a few things are explained however, you should have no problems following it.

The main part of this document, i.e. the table, is split into nine columns as shown in the example below:

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C001	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,, , , , ,NCC, ,RUBYCON, ,MULLARD	C	Y	Y

Ignore all columns except for the middle three – these contain all the information you require as explained below:

C.Des (Component Designator)

Every component on every Linn circuit board has an individual identification code known as a 'Component Designator' (C001, Q012, R345 etc). The designator shown in the table matches that printed on the circuit board beside each component.

These designators are coded according to type of component – at the start of each designator there is a letter and this describes the component type. The main types are shown below:

- C - Capacitor
- P - Connector
- Q - Transistor
- R - Resistor
- U - IC

The components are listed in alphabetical order by Component Designator

Part Number

Our internal part number for the component. Quote this part number if ordering the part from Linn.

We advise however that you try to source parts locally as most components are commonly available from any good electronic parts supplier much faster and cheaper than we can supply and also, not every part listed here can be ordered from Linn. If you have problems sourcing the part locally, we will do our best to help you, but we cannot guarantee availability of any part listed.

Description

All the technical details that you will require to order the part from your local or national electronic spares supplier. Includes (if applicable) the name(s) of our preferred manufacturer(s) for each part.



Assembly Number: PCAS 002/L1R6 PREAMP BOARD PCAS 002/L1R6

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	P	PCB 002/L1	PRINTED CIRCUIT BOARD PCB 002/L1 FOR PRE AMPLIFIER	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R B001	MISS 011	3.6VOLT,100MAH NICAD BATTERY	C	Y	Y
1.00000	ONES	R C001	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200, ,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C002	CAP 022	6U8F,+10%,-10%,63V,ELTR,TH,PCO100, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C004	CAP 030	68UF,+50%,-20%,16V,ELTR,TH,PCO100, ,,,,,,,,	C	Y	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C005	CAP 022	6U8F,+10%,-10%,63V,ELTR,TH,PCO100, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C006	CAP 010	22NF,+10%,-10%,25V,CX7R,TH,CO100,, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C007	CAP 023	4N7F,+10%,-10%,63V,CCOG,TH,CO100,, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C009	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200, ,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C010	CAP 006	10NF,+20%,-20%,25V,CX7R,TH,CO100,, ,,,,,,,,	C	0	Y
1.00000	ONES	R C011	CAP 023	4N7F,+10%,-10%,63V,CCOG,TH,CO100,, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C012	CAP 022	6U8F,+10%,-10%,63V,ELTR,TH,PCO100, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C013	CAP 022	6U8F,+10%,-10%,63V,ELTR,TH,PCO100, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C014	CAP 031	220PF,+10%,-10%,50V,CNPO,TH,CO100, ,,,,,,,,	C	0	Y
** Warning -	Part OBSOLETE on						
1.00000	ONES	R C015	CAP 159	22PF,+2%,-2%,100V,CNPO,TH,CO100,, ,,,,,,,,	C	Y	Y



Assembly Number: PCAS 002/L1R6 PREAMP BOARD PCAS 002/L1R6

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C017	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C019	CAP 012	220UF,+50%,-20%,10V,ELTR,TH, PCO150,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C020	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C021	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C022	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C023	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C024	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C025	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C026	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C031	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R C032	CAP 031	220PF,+10%,-10%,50V,CNPO,TH,CO100, ,,,,,,,,,,,,,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C033	CAP 029	10NF,+80%,-20%,9999V,CX7R,TH, CO200,,,,,,,,,,,,,	C	Y	Y
1.00000	ONES	R D001	MISS 004	TYPE FUNCTION CASE LD471 GREEN LED	C	0	Y
1.00000	ONES	R D002	MISS 004	TYPE FUNCTION CASE LD471 GREEN LED	C	0	Y
1.00000	ONES	R D003	MISS 004	TYPE FUNCTION CASE LD471 GREEN LED	C	0	Y
1.00000	ONES	R D004	MISS 004	TYPE FUNCTION CASE LD471 GREEN LED	C	0	Y
1.00000	ONES	R D005	MISS 005	TYPE FUNCTION CASE LD461 RED LED	C	0	Y



Assembly Number: PCAS 002/L1R6 PREAMP BOARD PCAS 002/L1R6

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R D006	MISS 005	TYPE LD461 FUNCTION RED LED	CASE	C	0 Y
1.00000	ONES	R D007	MISS 005	TYPE LD461 FUNCTION RED LED	CASE	C	0 Y
1.00000	ONES	R D008	MISS 005	TYPE LD461 FUNCTION RED LED	CASE	C	0 Y
1.00000	ONES	R D009	MISS 004	TYPE LD471 FUNCTION GREEN LED	CASE	C	0 Y
1.00000	ONES	R D010	MISS 005	TYPE LD461 FUNCTION RED LED	CASE	C	0 Y
1.00000	ONES	R D011	MISS 004	TYPE LD471 FUNCTION GREEN LED	CASE	C	0 Y
1.00000	ONES	R D012	MISS 005	TYPE LD461 FUNCTION RED LED	CASE	C	0 Y
1.00000	ONES	R D013	MISS 005	TYPE LD461 FUNCTION RED LED	CASE	C	0 Y
1.00000	ONES	R D014	MISS 004	TYPE LD471 FUNCTION GREEN LED	CASE	C	0 Y
1.00000	ONES	R D015	MISS 007	STATIC SENSITIVE!!!USE CORRECT BAG BPW41D PIN DIODE,	C	Y	Y
1.00000	ONES	R D017	MISS 013	5.6V 400MW ZENER	C	0	Y
1.00000	ONES	R P001	CONN 002	26 WAY TRANSITION,150MM CABLE, 26 WAY SOCKET (*SEE CONN 001)	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R Q001	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q002	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R R001	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R002	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R004	RES 038	2K2,1%,MF,1/4W,0.25W,200V,50ppm,,, ,	C	Y	Y



Assembly Number: PCAS 002/L1R6 PREAMP BOARD PCAS 002/L1R6

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R008	RES 029	1K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R009	RES 029	1K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R010	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R011	RES 010	47K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R012	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R013	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R014	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R015	RES 015	430R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R016	RES 025	22K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R U001	IC 009	UAA4000,REMOTE CNTR ENCODER,DIP14, C 4000,THOM,	C	0	Y
1.00000	ONES	R U002	IC 010	SL486,IR REMOTE PRE AMP,DIP16,486, C PLESS,	C	0	Y
1.00000	ONES	R U003	IC 019	ULN2803A,OCTAL NPN DAR. ARRAY, C DIP18,2803,MOTOR,	C	0	Y
1.00000	ONES	R U004	IC 019	ULN2803A,OCTAL NPN DAR. ARRAY, C DIP18,2803,MOTOR,	C	0	Y
1.00000	ONES	R U005	IC 014	74HC08,QUAD 2 I/P AND GATE,DIP14, C 74HC08,MOTOR,	C	0	Y
1.00000	ONES	R U006	IC 017	HD6303RP,8 BIT MICROPROCESSOR, C DIP40,6303,HITACH,	C	0	Y
1.00000	ONES	R U007	IC 015	74HC373,QUAD 2 PORT LATCH,DIP20, C 74HC373,NATSEM,TEXAS	C	0	Y
1.00000	ONES	R U008	IC 015	74HC373,QUAD 2 PORT LATCH,DIP20, C 74HC373,NATSEM,TEXAS	C	0	Y



Assembly Number: PCAS 002/L1R6 PREAMP BOARD PCAS 002/L1R6

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R U009	IC 016	2716,16K (2K X 8) EPROM,DIP24, 2716,NATSEM,TEXAS	A	0	Y
1.00000	ONES	R U010	IC 104	74HC00,QUAD 2 I/P NAND GATE,DIP14, 74HC00,NATSEM,SGS	C	0	Y
1.00000	ONES	R U011	IC 012	74HC10,TRIPLE 3 I/P NAND,DIP14, 74HC10,NATSEM,TEXAS	C	0	Y
1.00000	ONES	R U012	IC 013	74HC74,D TYPE FLIP FLOP,DIP14, 74HC74,NATSEM,TEXAS	C	0	Y
1.00000	ONES	R X001	MISS 008	3.2768 MHZ CRYSTAL	C	0	Y

