

Linn Parts List (Bill of Materials) for PCAS 011

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.

Important Note

On some of our circuit boards, the BOM is split in various ways. Sometimes the 'Surface Mount' components are on a separate BOM from the 'Thru-hole' components. Sometimes they are split in other ways. If more than one BOM covers a single circuit board, then all relevant BOMs will be included here – the part you are seeking may not be in the first BOM and it may sometimes be necessary that you look at a list further on.

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, C , , , , , ,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 011/L6R19

ASSEMBLED AXIS MOTOR CONTROLLER
BOARD WITH SWITCH

Units: ONES

BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	P	MTR-002	AXIS MOTOR WITH PULLEY AND DOUBLE SIDED TAPE	A	P	Y
1.00000	ONES	P	PCB 011/L6	PCB FOR AXIS BOARD PCB 011/L6	C	P	Y
1.00000	ONES	P	PCB 152/S	FLEXIBLE CIRCUIT FOR NEW AXIS SWITCH	C	Y	Y
1.00000	ONES	P	SWRL 008	BLACK KEYCAP FOR NSF K17 SWITCH FOR USE IN LINGO	C	Y	Y
1.00000	ONES	R BR001	MISS 032	TYPE FUNCTION 1KAB100E 1.2A(MIN)1000V BRIDGE	C	Y	Y
1.00000	ONES	R C001	CAP 041	47UF, +50%, -20%, 250V, ELTR, TH, PC01500, , , , , , NCC, , , ,	C	Y	Y
1.00000	ONES	R C002	CAP 041	47UF, +50%, -20%, 250V, ELTR, TH, PC01500, , , , , , NCC, , , ,	C	Y	Y
1.00000	ONES	R C003	CAP 042	220UF, +50%, -20%, 16V, ELTR, TH, PC01000, , , , , , NCC, , PHILIPS, ,	C	Y	Y
1.00000	ONES	R C004	CAP 003	22UF, +50%, -20%, 50V, ELTR, TH, PC0100, , , , , , NCC, , RUBYCON, , MULLARD	C	Y	Y
1.00000	ONES	R C005	CAP 042	220UF, +50%, -20%, 16V, ELTR, TH, PC01000, , , , , , NCC, , PHILIPS, ,	C	Y	Y
1.00000	ONES	R C006	CAP 003	22UF, +50%, -20%, 50V, ELTR, TH, PC0100, , , , , , NCC, , RUBYCON, , MULLARD	C	Y	Y
1.00000	ONES	R C007	CAP 044	220PF, +20%, -20%, 350V, CY5U, TH, C0200, , , , , , THOMSON, , , ,	C	Y	Y
1.00000	ONES	R C008	CAP 045	33UF, +20%, -20%, 350V, ELTR, TH, PC01500, , , , , , PANASONIC, , SAMWA, ,	C	Y	Y
1.00000	ONES	R C009	CAP 045	33UF, +20%, -20%, 350V, ELTR, TH, PC01500, , , , , , PANASONIC, , SAMWA, ,	C	Y	Y
1.00000	ONES	R C010	CAP 044	220PF, +20%, -20%, 350V, CY5U, TH, C0200, , , , , , THOMSON, , , ,	C	Y	Y
1.00000	ONES	R C011	CAP 003	22UF, +50%, -20%, 50V, ELTR, TH, PC0100, , , , , , NCC, , RUBYCON, , MULLARD	C	Y	Y
1.00000	ONES	R C012	CAP 003	22UF, +50%, -20%, 50V, ELTR, TH, PC0100, , , , , , NCC, , RUBYCON, , MULLARD	C	Y	Y



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ASSEMBLED AXIS MOTOR CONTROLLER
BOARD WITH SWITCH

Units: ONES

BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R D009	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R D010	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R D011	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R D012	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R D013	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R D014	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R D015	MISS 001	TYPE 1N4148 FUNCTION DIODE CASE	C	Y	Y
1.00000	ONES	R F001	MISS 143	TYPE 400MA ANTI-SURGE FUSE 250V SLO-BLO	C	Y	Y
1.00000	ONES	R P001	CONN 042	4 WAY SCREW TERMINAL BLOCK	C	Y	Y
1.00000	ONES	R Q001	TRAN 008	BC184, NPN, 30V, 0.2A, ELINE, 184, MOTOR,	C	Y	Y
1.00000	ONES	R Q002	TRAN 003	BC214, PNP, 30V, 0.2A, T092, 214, ZETEX,	C	Y	Y
1.00000	ONES	R Q003	TRAN 008	BC184, NPN, 30V, 0.2A, ELINE, 184, MOTOR,	C	Y	Y
1.00000	ONES	R Q004	TRAN 015	BUX85F, NPN, 450V, 1A, T0220, BUX85, PHIL,	C	Y	Y
1.00000	ONES	R Q005	TRAN 015	BUX85F, NPN, 450V, 1A, T0220, BUX85, PHIL,	C	Y	Y
1.00000	ONES	R Q006	TRAN 015	BUX85F, NPN, 450V, 1A, T0220, BUX85, PHIL,	C	Y	Y
1.00000	ONES	R Q007	TRAN 008	BC184, NPN, 30V, 0.2A, ELINE, 184, MOTOR,	C	Y	Y
1.00000	ONES	R Q008	TRAN 015	BUX85F, NPN, 450V, 1A, T0220, BUX85, PHIL,	C	Y	Y



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Units: ONES

BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R002	RES 106	15K, 5%, WVE, XX, 6W, 300V, 999ppm, , ,	C	Y	Y
1.00000	ONES	R R003	RES 106	15K, 5%, WVE, XX, 6W, 300V, 999ppm, , ,	C	Y	Y
1.00000	ONES	R R004	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R005	RES 013	180K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, ,	C	Y	Y
1.00000	ONES	R R006	RES 154	820K, 5%, MF, 1/4W, 0.25W, 250V, 250ppm, , ,	C	Y	Y
1.00000	ONES	R R007	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R008	RES 033	6K2, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R009	RES 153	430K, 5%, MF, 1/4W, 0.25W, 250V, 250ppm, , ,	C	Y	Y
1.00000	ONES	R R010	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R011	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R012	RES 079	47R, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R013	RES 014	100K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, ,	C	Y	Y
1.00000	ONES	R R014	RES 007	10R, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R015	RES 014	100K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, ,	C	Y	Y
1.00000	ONES	R R016	RES 152	43K, 5%, MF, 1/4W, 0.25W, 200V, 500ppm, ,	C	Y	Y
1.00000	ONES	R R017	RES 152	43K, 5%, MF, 1/4W, 0.25W, 200V, 500ppm, ,	C	Y	Y
1.00000	ONES	R R018	RES 079	47R, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y



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Units: ONES

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Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R019	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R020	RES 153	430K, 5%, MF, 1/4W, 0.25W, 250V, 250ppm, , ,	C	Y	Y
1.00000	ONES	R R021	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R022	RES 033	6K2, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R023	RES 154	820K, 5%, MF, 1/4W, 0.25W, 250V, 250ppm, , ,	C	Y	Y
1.00000	ONES	R R024	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R025	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R026	RES 013	180K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R027	RES 074	430K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R028	RES 074	430K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R029	RES 074	430K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R030	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R031	RES 010	47K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R032	RES 075	62K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R033	RES 045	20K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R034	RES 029	1K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R035	RES 072	15K, 10%, CF, PRE, 0.25W, 250V, 999ppm, , ,	C	Y	Y



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BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R036	RES 076	56K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R037	RES 073	2K2, 10%, CF, PRE, 0.25W, 150V, 999ppm, , ,	C	Y	Y
1.00000	ONES	R R038	RES 045	20K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R039	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R040	RES 110	680K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R041	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R042	RES 068	820K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R043	RES 045	20K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R044	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R045	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R046	RES 085	27K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R047	RES 086	43K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R048	RES 086	43K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R049	RES 085	27K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R050	RES 089	12K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R051	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R052	RES 013	180K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y



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BOARD WITH SWITCH

Units: ONES

BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R053	RES 076	56K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R054	RES 029	1K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R055	RES 018	15K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R R056	RES 107	2M2, 5%, CF, 1/4W, 0.25W, 200V, 500ppm, ,	C	Y	Y
1.00000	ONES	R R057	RES 087	3M9, 5%, CF, 1/4W, 0.25W, 200V, 500ppm, ,	C	Y	Y
1.00000	ONES	R R058	RES 111	6M8, 5%, CF, 1/4W, 0.25W, 200V, 500ppm, ,	C	Y	Y
1.00000	ONES	R R059	RES 025	22K, 1%, MF, 1/4W, 0.25W, 200V, 50ppm, , ,	C	Y	Y
1.00000	ONES	R S001	SWRL 010	TYPE FUNCTION NSF KEYLITE SWITCH (EXCL LED @ CAP	C	Y	Y
1.00000	ONES	R U001	IC 021	4013, DUAL D-TYPE FLIPFLOP, DIP14, 4013, NATSEM, PHIL	C	Y	Y
1.00000	ONES	R U002	IC 021	4013, DUAL D-TYPE FLIPFLOP, DIP14, 4013, NATSEM, PHIL	C	Y	Y
1.00000	ONES	R U003	IC 004	LM324N, QUAD OP AMP, DIP14, 324, NATSEM,	C	Y	Y
1.00000	ONES	R U004	IC 004	LM324N, QUAD OP AMP, DIP14, 324, NATSEM,	C	Y	Y
1.00000	ONES	R U005	IC 004	LM324N, QUAD OP AMP, DIP14, 324, NATSEM,	C	Y	Y
1.00000	ONES	R U006	IC 020	4066, QUAD ANALOGUE SWITCH, DIP14, 4066, NATSEM, PHIL	C	Y	Y
1.00000	ONES	R U007	IC 020	4066, QUAD ANALOGUE SWITCH, DIP14, 4066, NATSEM, PHIL	C	Y	Y
1.00000	ONES	R VR001	MISS 151	TYPE FUNCTION GENERAL INFO. VARISTOR 150V 2322-594-51516	C	Y	Y
1.00000	ONES	R VR002	MISS 151	TYPE FUNCTION GENERAL INFO. VARISTOR 150V 2322-594-51516	C	Y	Y

