

Linn Parts List (Bill of Materials) for PCAS 001

LK1 Main 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
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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 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C001	CAP 035	4N7F,+2%,-2%,63V,PST,TH,CO400,,,,,S		0	Y
** Warning - Part OBSOLETE on 09-JAN-1995							
1.00000	ONES	R C002	CAP 034	100UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C003	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C004	CAP 034	100UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C005	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C006	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C007	CAP 034	100UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C008	CAP 005	150NF,+2%,-2%,250V,PPR,TH,CO600,,,,,EVOX,,	C	0	Y
** Warning - Part OBSOLETE on 26-MAY-1999							
1.00000	ONES	R C009	CAP 036	1NF,+2%,-2%,160V,PST,TH,CO200,,,,,C		0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C010	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C011	CAP 034	100UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C012	CAP 013	330NF,+2%,-2%,250V,PPR,TH,CO900,,,,,EVOX,,CHELM,,	C	0	Y
** Warning - Part OBSOLETE on 02-FEB-1996							
1.00000	ONES	R C013	CAP 048	100PF,+2%,-2%,63V,PST,TH,CO200,,,,,C		0	Y
** Warning - Part OBSOLETE on 09-JAN-1995							
1.00000	ONES	R C014	CAP 036	1NF,+2%,-2%,160V,PST,TH,CO200,,,,,C		0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C016	CAP 040	2U2F,+20%,-20%,16V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C017	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C018	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C019	CAP 035	4N7F,+2%,-2%,63V,PST,TH,CO400,,,,,S		0	Y
** Warning - Part OBSOLETE on 09-JAN-1995							
1.00000	ONES	R C020	CAP 034	100UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C021	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C022	CAP 034	100UF,+20%,-20%,10V,TANT,TH,PCO200,,,,,STC TAG,,THOMSON,,	C	0	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C023	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200, ,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C024	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200, ,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C025	CAP 034	100UF,+20%,-20%,10V,TANT,TH, PCO200,,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C026	CAP 005	150NF,+2%,-2%,250V,PPR,TH,CO600,,,, ,,,,,EVOX,,,,	C	0	Y
** Warning - Part OBSOLETE on 26-MAY-1999							
1.00000	ONES	R C027	CAP 036	1NF,+2%,-2%,160V,PST,TH,CO200,,,,, ,,,,,,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C028	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C029	CAP 034	100UF,+20%,-20%,10V,TANT,TH, PCO200,,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C030	CAP 013	330NF,+2%,-2%,250V,PPR,TH,CO900,,,, ,,,,,EVOX,,CHELM,,	C	0	Y
** Warning - Part OBSOLETE on 02-FEB-1996							
1.00000	ONES	R C031	CAP 048	100PF,+2%,-2%,63V,PST,TH,CO200,,,,, ,,,,,,	C	0	Y
** Warning - Part OBSOLETE on 09-JAN-1995							
1.00000	ONES	R C032	CAP 036	1NF,+2%,-2%,160V,PST,TH,CO200,,,,, ,,,,,,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C034	CAP 040	2U2F,+20%,-20%,16V,TANT,TH,PCO200, ,,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C035	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C036	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C037	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C038	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C039	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C040	CAP 039	68PF,+2%,-2%,160V,PST,TH,CO100,,,,, ,,,,,,	C	0	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C041	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200, ,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C042	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C043	CAP 034	100UF,+20%,-20%,10V,TANT,TH, PCO200,,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C044	CAP 005	150NF,+2%,-2%,250V,PPR,TH,CO600,,, ,,,,EVOX,,,,	C	0	Y
** Warning -	Part OBSOLETE on	26-MAY-1999					
1.00000	ONES	R C045	CAP 039	68PF,+2%,-2%,160V,PST,TH,CO100,,, ,,,,,,	C	0	Y
1.00000	ONES	R C046	CAP 024	220NF,+10%,-10%,63V,PEST,TH,CO200, ,,,,,EVOX,,ARCOTRONIC,,	C	Y	Y
1.00000	ONES	R C047	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C048	CAP 034	100UF,+20%,-20%,10V,TANT,TH, PCO200,,,,,,STC TAG,,THOMSON,,	C	0	Y
1.00000	ONES	R C049	CAP 005	150NF,+2%,-2%,250V,PPR,TH,CO600,,, ,,,,EVOX,,,,	C	0	Y
** Warning -	Part OBSOLETE on	26-MAY-1999					
1.00000	ONES	R C050	CAP 095	10000UF,+20%,-20%,25V,ELTR,TH, PCO2200,,,,,,BHC,,,,	C	0	Y
1.00000	ONES	R C051	CAP 095	10000UF,+20%,-20%,25V,ELTR,TH, PCO2200,,,,,,BHC,,,,	C	0	Y
1.00000	ONES	R C052	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C053	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C055	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C056	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C057	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C058	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C059	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C060	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C061	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C062	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C063	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C064	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C065	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C066	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C067	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C068	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C069	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C070	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C071	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C072	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C073	CAP 003	22UF,+50%,-20%,50V,ELTR,TH,PCO100, ,,,,,NCC,,RUBYCON,,MULLARD	C	Y	Y
1.00000	ONES	R C074	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C075	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R C076	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C077	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C078	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C079	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C080	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C081	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C082	CAP 036	1NF,+2%,-2%,160V,PST,TH,CO200,,,,, ,,,,,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C083	CAP 036	1NF,+2%,-2%,160V,PST,TH,CO200,,,,, ,,,,,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R C084	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R C085	CAP 033	22UF,+20%,-20%,10V,TANT,TH,PCO200, ,,,,,STC TAG,,THOMSON,,	C	Y	Y
1.00000	ONES	R D001	MISS 065	TYPE FUNCTION GENERAL INFO 7.5V ZENER DIODE	C	0	Y
1.00000	ONES	R D002	MISS 001	TYPE FUNCTION CASE 1N4148 DIODE	C	Y	Y
1.00000	ONES	R D003	MISS 002	TYPE FUNCTION CASE 1KAB10E BRIDGE RECT.1.2A 100V	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R D004	MISS 003	TYPE FUNCTION CASE 12V 250V ZENER DIODE	C	0	Y
1.00000	ONES	R D006	MISS 001	TYPE FUNCTION CASE 1N4148 DIODE	C	Y	Y
1.00000	ONES	R H001	IC 029	HEADER,DIP 14 HEADER,DIP14,,ARIES,	C	0	Y
1.00000	ONES	R P001	CONN 001	TYPE FUNCTION 26 WAY HEADER	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R P006	CONN 005	5 WAY XLR PCB MOUNTING CANNON SOCKET \$\$\$\$ RUN KITTING LIST\$\$\$\$	A	0	Y
** Warning - Part OBSOLETE on 11-MAY-1998							
1.00000	ONES	R P007	CONN 005	5 WAY XLR PCB MOUNTING CANNON SOCKET \$\$\$\$ RUN KITTING LIST\$\$\$\$	A	0	Y
** Warning - Part OBSOLETE on 11-MAY-1998							
1.00000	ONES	R P008	CONN 004/2	3 PIN XLR SOCKET FOR ALL APPLIC- ATIONS - \$\$\$\$ RUN KITTING LIST \$\$\$	A	0	Y
1.00000	ONES	R P009	CONN 004/2	3 PIN XLR SOCKET FOR ALL APPLIC- ATIONS - \$\$\$\$ RUN KITTING LIST \$\$\$	A	0	Y
1.00000	ONES	R P010	CONN 004/2	3 PIN XLR SOCKET FOR ALL APPLIC- ATIONS - \$\$\$\$ RUN KITTING LIST \$\$\$	A	0	Y
1.00000	ONES	R P011	CONN 004/2	3 PIN XLR SOCKET FOR ALL APPLIC- ATIONS - \$\$\$\$ RUN KITTING LIST \$\$\$	A	0	Y
1.00000	ONES	R P012	CONN 006	3 WAY 0.156 INCH PITCH TRANSFORMER C CONNECTOR STRAIGHT WAFER	C	Y	Y
1.00000	ONES	R Q001	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q002	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q003	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q003A	MISS 200/1	NON-CONDUCTIVE FERRITE BEAD FOR LOW-LEAKAGE APPLICATIONS	C	Y	Y
1.00000	ONES	R Q004	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q004A	MISS 200/1	NON-CONDUCTIVE FERRITE BEAD FOR LOW-LEAKAGE APPLICATIONS	C	Y	Y
1.00000	ONES	R Q005	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q006	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q007	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q008	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R Q009	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q010	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q011	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q012	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q013	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q014	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q015	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q016	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q017	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q018	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q019	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q020	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q021	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q022	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q023	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q024	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q025	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R Q026	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q027	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q028	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q029	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q029A	MISS 200/1	NON-CONDUCTIVE FERRITE BEAD FOR LOW-LEAKAGE APPLICATIONS	C	Y	Y
1.00000	ONES	R Q030	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q030A	MISS 200/1	NON-CONDUCTIVE FERRITE BEAD FOR LOW-LEAKAGE APPLICATIONS	C	Y	Y
1.00000	ONES	R Q031	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q032	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q033	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q034	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q035	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q036	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q037	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q038	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q039	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q040	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R Q041	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q042	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q043	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q044	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q045	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q046	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q047	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q048	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q049	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q050	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q051	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q052	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q053	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q054	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q055	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q056	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q057	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R Q058	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q059	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q060	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q061	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q062	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q063	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q064	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q065	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q066	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q067	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q068	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q069	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q070	TRAN 011	ZTX214C,PNP,30V,0.2A,ELINE,214, ZETEX,	C	Y	Y
1.00000	ONES	R Q071	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q072	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q073	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y
1.00000	ONES	R Q074	TRAN 002	ZTX753,PNP,100V,2A,ELINE,753, ZETEX,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R Q075	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q076	TRAN 001	ZTX653,NPN,100V,2A,ELINE,653, ZETEX,	C	Y	Y
1.00000	ONES	R Q077	TRAN 006	BD139,NPN,80V,1.5A,TO126,139, MOTOR,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R Q078	TRAN 007	BD140,PNP,80V,1.5A,TO126,140, MOTOR,	C	0	Y
** Warning - Part OBSOLETE on 30-OCT-1996							
1.00000	ONES	R Q079	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q080	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q081	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q082	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q083	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q084	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q085	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q086	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q087	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q088	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q089	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q090	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q091	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R Q092	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q093	TRAN 008	BC184,NPN,30V,0.2A,ELINE,184, MOTOR,	C	Y	Y
1.00000	ONES	R Q094	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R Q095	TRAN 003	BC214,PNP,30V,0.2A,TO92,214,ZETEX,	C	Y	Y
1.00000	ONES	R R001	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R002	RES 002	150R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R003	RES 002	150R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R004	RES 003	1K2,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R005	RES 004	3K6,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R006	RES 005	3R3,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	0	Y
1.00000	ONES	R R007	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R008	RES 006	130R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	0	Y
1.00000	ONES	R R009	RES 065	1K5,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R010	RES 003	1K2,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R011	RES 009	27R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R012	RES 009	27R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R013	RES 010	47K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R014	RES 011	560K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R015	RES 012	270K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R016	RES 068	820K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R017	RES 060	510R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R019	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R020	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,,	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 032	330R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R025	RES 057	10K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R026	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R027	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R028	RES 031	750R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R033	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R034	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R035	RES 018	15K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R036	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R037	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R043	RES 027	560R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R044	RES 010	47K,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 026	62R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R047	RES 027	560R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R048	RES 027	560R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R052	RES 014	100K,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R053	RES 028	1K6,1%,MF,1/4W,0.25W,200V,50ppm,, , C	0	Y	
1.00000	ONES	R R054	RES 022	820R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R055	RES 030	120R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R056	RES 067	1K3,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R059	RES 015	430R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R060	RES 023	910R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R061	RES 029	1K,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R062	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R063	RES 010	47K,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	
1.00000	ONES	R R067	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,, , C	Y	Y	



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R068	RES 002	150R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R069	RES 002	150R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R070	RES 003	1K2,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R071	RES 004	3K6,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R072	RES 005	3R3,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R073	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R074	RES 010	47K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R075	RES 006	130R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R076	RES 065	1K5,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R077	RES 003	1K2,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R078	RES 009	27R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R079	RES 009	27R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R080	RES 011	560K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R081	RES 012	270K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R082	RES 068	820K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R083	RES 060	510R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R085	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R086	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R087	RES 018	15K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R088	RES 032	330R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	0	Y
1.00000	ONES	R R091	RES 057	10K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R092	RES 031	750R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R094	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R095	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R099	RES 016	270R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R100	RES 017	4K7,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R101	RES 018	15K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R104	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R105	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R108	RES 027	560R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R109	RES 010	47K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R110	RES 025	22K,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R111	RES 026	62R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y
1.00000	ONES	R R112	RES 027	560R,1%,MF,1/4W,0.25W,200V,50ppm,, ,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R113	RES 027	560R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R114	RES 014	100K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R115	RES 033	6K2,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R116	RES 014	100K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R117	RES 034	300K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R118	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R119	RES 040	3K3,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R120	RES 008	2K4,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R121	RES 008	2K4,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R122	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R123	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R124	RES 029	1K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R125	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R126	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R127	RES 066	390R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R128	RES 014	100K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R129	RES 033	6K2,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R130	RES 014	100K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R131	RES 034	300K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	0	Y
1.00000	ONES	R R132	RES 008	2K4,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R133	RES 008	2K4,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R134	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R135	RES 040	3K3,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R136	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R137	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R138	RES 029	1K,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R139	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R140	RES 021	100R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R141	RES 066	390R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R142	RES 038	2K2,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R143	RES 065	1K5,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R144	RES 038	2K2,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R145	RES 065	1K5,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R150	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
1.00000	ONES	R R151	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R152	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R153	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R R2	RES 001	220R,1%,MF,1/4W,0.25W,200V,50ppm,,	C	Y	Y
1.00000	ONES	R RA001	RES 051	100K,2%,TF,SIL10,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA003	RES 052	100K,2%,TF,SIL9,0.125W,150V,999ppm,,	C	Y	Y
1.00000	ONES	R RA004	RES 053	100K,2%,TF,SIL8,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA005	RES 052	100K,2%,TF,SIL9,0.125W,150V,999ppm,,	C	Y	Y
1.00000	ONES	R RA006	RES 054	100K,2%,TF,SIL6,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA007	RES 055	100R,2%,TF,SIL6,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA008	RES 055	100R,2%,TF,SIL6,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA009	RES 055	100R,2%,TF,SIL6,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA010	RES 055	100R,2%,TF,SIL6,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R RA011	RES 053	100K,2%,TF,SIL8,0.125W,150V,999ppm,,	C	0	Y
** Warning -	Part OBSOLETE on	30-OCT-1996					
1.00000	ONES	R U001	IC 001	DG309CJ,QUAD ANALOGUE SWITCH, DIP16,DG309CJ,SILICO,	C	0	Y
1.00000	ONES	R U002	IC 001	DG309CJ,QUAD ANALOGUE SWITCH, DIP16,DG309CJ,SILICO,	C	0	Y
1.00000	ONES	R U003	IC 001	DG309CJ,QUAD ANALOGUE SWITCH, DIP16,DG309CJ,SILICO,	C	0	Y



Assembly Number: PCAS 001/L5R12 PRE AMP PCAS 001/L5R12 BOARD

Units: ONES BOM Type: A

Quantity	Units	T C.Des	Part Number	Description	Type	Kit	Cost
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1.00000	ONES	R U004	IC 001	DG309CJ,QUAD ANALOGUE SWITCH, DIP16,DG309CJ,SILICO,	C	0	Y
1.00000	ONES	R U005	IC 001	DG309CJ,QUAD ANALOGUE SWITCH, DIP16,DG309CJ,SILICO,	C	0	Y
1.00000	ONES	R U006	IC 001	DG309CJ,QUAD ANALOGUE SWITCH, DIP16,DG309CJ,SILICO,	C	0	Y
1.00000	ONES	R U007	IC 002	LM358N,DUAL OP AMP,DIP8,LM358N, NATSEM,MOTOR	C	Y	Y
1.00000	ONES	R U008	IC 003	TLC7528CDW,DUAL 8 BIT DAC,SOL20, 7528,TEXAS,AD	C	Y	Y
1.00000	ONES	R U009	IC 004	LM324N,QUAD OP AMP,DIP14,324, NATSEM,	C	Y	Y
1.00000	ONES	R U010	IC 005	LM317T,VOLTAGE REGULATOR,TO220, 317T,NATSEM,	C	Y	Y

