PARTS LIST for: PC3124M

OM Job No:

Engineer	PC Issue	Circuit Issue	Cost Centre	Checked & Approved (Signed & dated)
M.POSTRANECKY	1	A		

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
*C1	3.48	5.85	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C2	2.65	7.38	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C3	2.23	6.80	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C4	1.88	7.83	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C5	0.43	8.88	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
C6	0.43	8.74	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
C7	0.53	7.78	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
*C8	5.30	3.45	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C9	1.75	7.95	PANASONIC ECHU1H101GB5	100PF SMD CAPACITOR, 0805
*C10	1.76	8.55	AVX-KYOCERA 08055C473KAT00J	47NF SMD CAPACITOR, 0805
C11	0.53	7.65	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
*C12	1.80	8.90	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C13	0.51	7.39	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
C14	0.57	6.31	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C15	2.62	1.64	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C16	1.25	7.10	AVX-KYOCERA TAJD476K016R	47UF SMD 16V CAPACITOR, CASE SIZE D
*C17	5.30	2.85	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C18	2.23	8.10	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C19	3.48	8.10	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C20	1.49	8.48	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
C21	1.49	8.35	AVX-KYOCERA TAJB475K016R	4.7UF SMD 16V CAPACITOR, CASE SIZE B
C22	1.55	8.94	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C23	2.61	2.66	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C24	2.23	5.50	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C25	0.95	6.12	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C26	0.95	5.17	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C27	0.95	3.70	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
*C28	2.23	3.12	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C29	2.23	1.95	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C30	2.23	0.93	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C31	2.83	0.97	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C32	0.79	4.60	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C33	4.08	3.15	FARNELL 912-967	1000UF 16V AXIAL ELECTROLYTIC
*C34	2.92	2.35	AVX-KYOCERA CM21X7R474K16VAT	470NF SMD CAPACITOR, 0805
*C35	3.19	1.57	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C36	3.19	0.38	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C37	3.65	1.57	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C38	3.65	0.38	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C39	4.02	0.97	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C40	4.29	2.16	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C41	4.47	2.50	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C42	4.47	1.85	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C43	4.59	0.81	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C44	4.71	2.19	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C45	4.78	1.16	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C46	4.78	0.51	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C47	5.00	0.85	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C48	3.05	3.30	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
*C49	5.17	3.95	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C50	4.97	2.54	AVX-KYOCERA CM21X7R104K25VAT	100NF SMD CAPACITOR, 0805
C51	5.37	3.15	FARNELL 920-460	470UF 16V ELECTROLYTIC
D1	0.95	7.05	FARNELL 368-106	1N4148PS, SMALL SIGNAL DIODE
DS1	0.33	8.50	SCHROFF 69004-290	BI-LEVEL LOW CURRENT RED/YELLOW 3.2MM LED
DS2	0.33	8.28	SCHROFF 69004-286	BI-LEVEL LOW CURRENT RED/RED 3.2MM LED
DS3	0.33	8.05	SCHROFF 69004-291	BI-LEVEL LOW CURRENT YELLOW/GREEN 3.2MM LED
DS4	0.33	7.83	SCHROFF 69004-287	BI-LEVEL LOW CURRENT GREEN/GREEN 3.2MM LED
FS1	5.60	3.45	FARNELL 752-710	15A WIRE ENDED FUSE
FS2	5.60	2.85	FARNELL 529-308	10A WIRE ENDED FUSE

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
J1	6.09	8.77	RAL STORES 61/00820	96WAY RT-ANG VERO PLUG 905-72178F
J2	6.09	3.52	RAL STORES 61/00820	96WAY RT-ANG VERO PLUG 905-72178F
J3	0.20	6.88	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J4	0.20	6.50	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J5	0.20	6.12	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J6	0.20	5.75	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J7	0.20	5.38	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J8	0.20	4.42	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J9	0.20	4.05	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J10	0.20	3.67	LEMO EPC.00.250.DTM	LEMO RT-ANGLE SOCKET SIZE 00, PCB MOUNT
J11	0.40	4.95	LEMO EPG.302.HLN	LEMO SOCKET, 2 FEMALE PCB MOUNT
J12	0.28	2.55	3M 3793-5302	10WAY RT-ANG IDC HEADER, CLASS II
J13	0.28	1.12	3M 3793-5302	10WAY RT-ANG IDC HEADER, CLASS II
J14	1.93	2.55	3M 3793-5302	10WAY RT-ANG IDC HEADER, CLASS II
J15	1.93	1.12	3M 3793-5302	10WAY RT-ANG IDC HEADER, CLASS II
J16	3.12	2.10	3M 2510-6002	10WAY VERTICAL IDC HEADER, CLASS II
JAUX	6.09	5.04	ERNI(STUC3) 30-M-ABC	30WAY RT-ANG PCB PLUG
LK1	3.06	8.90	COMATEL 3000500	2 PIN 0.6 INCH PITCH JUMPER
LK2	1.38	4.30	COMATEL 3000500	2 PIN 0.6 INCH PITCH JUMPER
LK3	3.52	2.52	COMATEL 3000500	2 PIN 0.6 INCH PITCH JUMPER
PL1	5.75	3.40	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
PL2	5.75	3.15	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
PL3	5.75	2.90	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
PL4	5.75	2.65	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
PL5	5.75	2.42	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
PL6	5.75	1.93	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
PL7	5.75	1.68	HARWIN M20-999 02 05	HARWIN STRAIGHT 2 PIN HEADER
Q1	0.60	6.80	FARNELL 358-010	GENERAL PURPOSE SWITCHING NPN TRANSISTOR
Q2	0.60	6.45	FARNELL 358-010	GENERAL PURPOSE SWITCHING NPN TRANSISTOR
Q3	0.60	6.08	FARNELL 358-010	GENERAL PURPOSE SWITCHING NPN TRANSISTOR
Q4	0.60	5.70	FARNELL 358-010	GENERAL PURPOSE SWITCHING NPN TRANSISTOR

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
Q5	0.60	5.33	FARNELL 358-010	GENERAL PURPOSE SWITCHING NPN TRANSISTOR
Q6	0.60	4.38	FARNELL 358-848	HIGH SPEED SWITCHING PNP TRANSISTOR
Q7	0.60	4.00	FARNELL 358-848	HIGH SPEED SWITCHING PNP TRANSISTOR
Q8	0.60	3.62	FARNELL 358-848	HIGH SPEED SWITCHING PNP TRANSISTOR
*R1	0.75	8.80	FARNELL 613-290	47K SMD RESISTOR, 0.1W, 0805
*R2	0.75	8.30	FARNELL 613-290	47K SMD RESISTOR, 0.1W, 0805
R3	0.42	6.96	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R4	0.42	6.79	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R5	0.42	6.58	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R6	0.42	6.42	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R7	0.42	6.21	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R8	0.42	6.04	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R9	3.06	5.12	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R10	3.48	5.22	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R11	0.82	7.85	FARNELL 613-290	47K SMD RESISTOR, 0.1W, 0805
*R12	0.82	7.35	FARNELL 613-290	47K SMD RESISTOR, 0.1W, 0805
*R13	3.48	5.55	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R14	2.65	8.07	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R15	1.18	8.80	FARNELL 613-290	47K SMD RESISTOR, 0.1W, 0805
*R16	1.18	8.30	FARNELL 613-290	47K SMD RESISTOR, 0.1W, 0805
*R17	0.51	7.39	FARNELL 612-972	100R SMD RESISTOR, 0.1W, 0805
*R18	0.75	7.05	FARNELL 613-216	10K SMD RESISTOR, 0.1W, 0805
*R19	1.25	7.75	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R20	3.48	5.65	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R21	2.65	7.97	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
R22	0.42	5.83	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R23	0.50	7.80	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R24	3.48	5.75	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R25	2.65	7.88	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R26	3.48	6.35	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R27	2.65	7.28	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
*R28	3.48	6.45	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R29	2.65	7.17	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R30	3.48	6.55	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R31	2.65	7.08	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
R32	0.42	5.67	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R33	0.42	5.46	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R34	0.42	5.29	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R35	0.42	4.51	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
R36	0.42	4.34	FARNELL 612-996	150R SMD RESISTOR, 0.1W, 0805
R37	0.42	4.14	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
R38	0.42	3.96	FARNELL 612-996	150R SMD RESISTOR, 0.1W, 0805
R39	0.42	3.77	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R40	0.95	4.40	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R41	0.95	4.30	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R42	0.95	4.20	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R43	0.42	3.59	FARNELL 612-996	150R SMD RESISTOR, 0.1W, 0805
R44	0.62	4.60	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R45	0.62	4.23	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R46	0.63	3.85	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
R47	0.70	5.34	FARNELL 612-972	100R SMD RESISTOR, 0.1W, 0805
*R48	2.23	8.80	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R49	2.23	8.70	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R50	2.23	8.60	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R51	2.23	8.00	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R52	2.23	7.90	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R53	2.23	7.80	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R54	5.17	4.35	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R55	5.17	4.45	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R56	5.17	4.25	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R57	5.17	4.55	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R58	5.17	4.15	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
*R59	5.17	4.65	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R60	5.17	4.05	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R61	5.17	4.75	FARNELL 613-058	470R SMD RESISTOR, 0.1W, 0805
*R62	2.23	6.20	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R63	2.23	6.10	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R64	2.23	6.00	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R65	2.23	5.40	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R66	2.23	5.30	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R67	2.23	5.20	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R68	2.17	3.68	FARNELL 612-972	100R SMD RESISTOR, 0.1W, 0805
*R69	2.17	3.28	FARNELL 612-972	100R SMD RESISTOR, 0.1W, 0805
*R70	2.27	3.28	FARNELL 612-972	100R SMD RESISTOR, 0.1W, 0805
*R71	2.27	3.68	FARNELL 612-972	100R SMD RESISTOR, 0.1W, 0805
*R72	3.48	8.80	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R73	2.23	7.50	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R74	3.48	8.70	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R75	2.23	7.40	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R76	3.48	8.60	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R77	2.23	7.30	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R78	3.48	8.00	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R79	2.23	6.70	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R80	3.48	7.90	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R81	2.23	6.60	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R82	3.48	7.80	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R83	2.23	6.50	FARNELL 613-095	1K0 SMD RESISTOR, 0.1W, 0805
*R84	3.05	3.80	FARNELL 613-174	4.7K SMD RESISTOR, 0.1W, 0805
*R85	3.05	3.70	FARNELL 613-174	4.7K SMD RESISTOR, 0.1W, 0805
*R86	3.05	3.60	FARNELL 613-174	4.7K SMD RESISTOR, 0.1W, 0805
*R87	3.05	3.50	FARNELL 613-174	4.7K SMD RESISTOR, 0.1W, 0805
RN1	0.48	7.90	FARNELL 148-969	470R, 7-COMMONED RESISTORS, 200MW
RN2	2.50	2.70	FARNELL 148-980	470R, 8-COMMONED RESISTORS, 200MW

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
RN3	2.50	1.68	FARNELL 148-980	470R, 8-COMMONED RESISTORS, 200MW
RN4	5.08	2.58	FARNELL 148-981	1K, 8-COMMONED RESISTORS, 200MW
RV1	1.55	8.60	FARNELL 347-747	5K0, 3266X VARIABLE RESISTOR, 0.25W
SW1	0.33	7.53	RS 664-389	SPST RIGHT-ANGLE MOMENTARY SWITCH
SW2	0.33	7.25	RS 664-389	SPST RIGHT-ANGLE MOMENTARY SWITCH
SW3	2.65	8.60	OMRON A6D6100	6WAY DIL SWITCH
SW4	2.65	6.55	OMRON A6D6100	6WAY DIL SWITCH
SW5	2.65	5.80	OMRON A6D6100	6WAY DIL SWITCH
SW6	3.05	7.70	OMRON A6D6100	6WAY DIL SWITCH
SW7	3.90	8.30	OMRON A6D6100	6WAY DIL SWITCH
SW8	3.90	7.20	OMRON A6D8100	8WAY DIL SWITCH
SW9	5.42	2.23	OMRON A6D8100	8WAY DIL SWITCH
U1	0.75	8.55	TI SN74123N	DUAL MONOSTABLE
U2	0.82	7.60	TI SN74123N	DUAL MONOSTABLE
U3	0.95	6.47	MOTOROLA MC10H125P	QUAD ECL TO TTL TRANSLATOR
U4	0.95	5.53	MOTOROLA MC10H125P	QUAD ECL TO TTL TRANSLATOR
U5	0.95	4.05	MOTOROLA MC10H124P	QUAD TTL TO ECL TRANSLATOR
U6	1.18	8.55	TI SN74123N	DUAL MONOSTABLE
U7	1.25	7.65	PHILIPS N74F14N	HEX SCHMITT-TRIGGER INVERTERS
U8	1.38	6.47	EUROQUARTZ SPG8640AN	PROGRAMMABLE CRYSTAL OSCILLATOR
U9	1.38	5.53	EUROQUARTZ SPG8640AN	PROGRAMMABLE CRYSTAL OSCILLATOR
U10	1.73	7.80	ECM GBS-204-80.16-C	80.16MHZ CRYSTAL CLOCK OSCILLATOR
U11	1.80	8.55	TI SN74S124N	DUAL VOLTAGE CONTROLLED OSCILLATOR
U12	1.80	7.10	TI SN74F74N	DUAL D-TYPE POSITIVE-EDGE TRIGGER FLIP-FLOPS
U13	1.80	4.42	EUROQUARTZ SPG8640AN	PROGRAMMABLE CRYSTAL OSCILLATOR
U14	2.08	8.90	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U15	2.08	7.60	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U16	2.08	6.30	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U17	2.23	4.53	PHILIPS N74F541N	OCTAL BUFFERS, 3-STATE OUTPUTS
U18	2.23	3.48	MOTOROLA MC10H125P	QUAD ECL TO TTL TRANSLATOR
U19	2.23	2.30	MOTOROLA MC10H124P	QUAD TTL TO ECL TRANSLATOR

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
U20	2.23	1.27	MOTOROLA MC10H124P	QUAD TTL TO ECL TRANSLATOR
U21	2.50	8.18	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U22	3.05	6.80	PHILIPS N74F541N	OCTAL BUFFERS, 3-STATE OUTPUTS
U23	3.05	5.80	TI SN74F74N	DUAL D-TYPE POSITIVE-EDGE TRIGGER FLIP-FLOPS
U24	2.90	5.22	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U25	3.05	3.45	TI SN74LS541N	OCTAL BUFFERS WITH 3 STATE OUTPUTS
U26	3.33	8.90	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U27	3.48	7.25	NSC 74F32PC	QUAD 2-INPUT OR GATE
U28	3.33	6.65	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U29	3.33	5.33	DATA DELAY DEVICES PDU-16F-.5	6 BIT PROGRAMMABLE DELAY UNIT, TTL 0.5NS STEPS
U30	3.42	0.98	AMD M5-512/120-7HC	HIGH DENSITY PLD
U31	3.67	3.60	NEWPORT 50A10500	ACTIVE BUFFERED 10-TAP, 5NS STEP DELAY LINE
U32	3.90	6.15	NSC 74F573PC	OCTAL D-TYPE LATCH, 3 STATE OUTPUTS
U33	3.90	5.00	NSC 74F573PC	OCTAL D-TYPE LATCH, 3 STATE OUTPUTS
U34	4.33	8.35	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U35	4.33	7.00	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U36	4.33	5.65	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U37	4.33	4.30	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U38	4.50	2.18	AMD M5-256-68-7YC	HIGH DENSITY PLD
U39	4.75	8.35	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U40	4.75	7.00	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U41	4.75	5.65	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U42	4.75	4.30	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U43	4.80	0.83	AMD M5-256-68-7YC	HIGH DENSITY PLD
U44	5.17	8.35	NSC 74F543PC	OCTAL REGISTERED TRANSCEIVER
U45	5.17	7.00	TI SN74ALS996NT	8-BIT D-TYPE EDGE TRIGGERED READ BACK LATCHES
U46	5.17	5.65	NSC 74F543PC	OCTAL REGISTERED TRANSCEIVER
U47	5.17	4.40	PHILIPS N74F540N	OCTAL INVERTERS, 3-STATE OUTPUTS
U48	5.60	8.45	PHILIPS N74F541N	OCTAL BUFFERS, 3-STATE OUTPUTS
U49	5.60	7.30	PHILIPS N74F541N	OCTAL BUFFERS, 3-STATE OUTPUTS
U50	5.60	6.15	PHILIPS N74F541N	OCTAL BUFFERS, 3-STATE OUTPUTS

PARTS LIST for: PC3124M

OM Job No:

Ref Des *=Underside	Comp Posn (Origin) X	Y	Manufacturer & Part No or Supplier's Name & Part No	Part Description
U51	5.60	5.00	PHILIPS N74F541N	OCTAL BUFFERS, 3-STATE OUTPUTS
U52	5.60	4.00	TI SN74F38N	QUAD 2 INPUT NAND BUFFER