

06/12/85

J.K. LASERS MANUFACTURING SYSTEM
S I N G L E L E V E L B O M L I S T I N G

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70 E8181130C R FC DELAY & DIVIDER CARD

R	ITEM	DESCRIPTION	UNIT	QTY	MFG. NAME	MFG. PART #
V	PART #	NO	LV	REQ		
	1002H2201	0027 90 CAP POLYESTER 0.22UF 100V 10%	EA	2.000	CONWAY ELECTRONICS LTD	MKS4-0.22-100V
					RADIO RESISTOR CO LTD	MKS4.22UF100V10
	1002H4711	0028 90 CAP POLYESTER 0.47UF 63V 10%	EA	5.000	WILHELM WESTERMAN	MKS4-0.47
					CONWAY ELECTRONICS LTD	MKS4-0.47-63V
	1003G1001	0029 90 CAP POLYESTER 0.01UF 250V 10%	EA	4.000	RADIO RESISTOR CO LTD	MKS4-0.47-63V
					WILHELM WESTERMAN	MKS-4/0.01V250V
	1032E1001	0030 90 CAP CER 100P 100V 20% NPO RDIP	EA	1.000	CONWAY ELECTRONICS LTD	MKS4 .01250V10%
					RADIO RESISTOR CO LTD	MKS4 .01UF250V
					A.V.X.	SR151A101MA
					H.B. ELECTRONICS	SR151A101KMA
					RS COMPONENTS LTD.,.,.,.NOW R042	RS 125-840
	1032E4701	0031 90 CAP CER 470P 100V 20% NPO RDIP	EA	1.000	A.V.X.	SR201A471MA
					H.B. ELECTRONICS	SR201A471KA
	1032G2201	0032 90 CAP CER 22N 100V 20% XRT RD	EA	1.000	A.V.X.	SR201C223MA
	1052J2201	0033 90 CAP.ELECT.2.2UF 63V AXIAL	EA	1.000	MULLARD	030-38228
					GOthic CRELLON LTD	030-38228
					HAWNT ELECTRONICS	030-38228
					STC ELECTRONIC SERVICES LTD	030-38228
					UNITED ELECTRONICS LTD	030-38228
					MULLARD	425-42202
	1073F2201	0034 90 CAP POLYSTYRENE 2200PF 160V 1%	EA	2.000	GOthic CRELLON LTD	425-42202
					HAWNT ELECTRONICS	425-42202
					SWIFT-SASCO LTD	425-42202
					STC ELECTRONIC SERVICES LTD	425-42202
					MULLARD	425-42202
	1073F4701	0035 90 CAP POLYSTYRENE 4700PF 160V 1%	EA	2.000	FARNELL LTD	425-44702
					GOthic CRELLON LTD	425-44702
					SWIFT-SASCO LTD	425-44702
					STC ELECTRONIC SERVICES LTD	425-44702
					MULLARD	427-41001U
	1075E1001	0036 90 CAP POLYSTYRENE 100PF 630V 1%	EA	1.000	GOthic CRELLON LTD	427-41001V
					INTEL ELECTRONICS GROUP LTD	427-41001U
					SWIFT-SASCO LTD	427-41001V
					STC ELECTRONIC SERVICES LTD	427-41001U
					SPECTROL	635-500R
	13A214500	0040 90 TRIM CERMET 500R 0.5W 3/8SQ S	EA	1.000	RADIO RESISTOR CO LTD	635 500R
					STC ELECTRONIC SERVICES LTD	635-500R
	13A215200	0041 90 TRIM CERMET 2K0 0.5W 3/8SQ S	EA	2.000	SPECTROL	635-2K0
					RADIO RESISTOR CO LTD	635-2K0
					STC ELECTRONIC SERVICES LTD	635-2K
	13A216100	0042 90 TRIM CERMET 10K 0.5W 3/8SQ S	EA	1.000	SPECTROL	635-10K
					RADIO RESISTOR CO LTD	635-10K
					STC ELECTRONIC SERVICES LTD	635-10K
	13A355500	0043 90 TRIM CERMET 5K0 0.75W 20T 3/4	EA	1.000	R.S. COMPONENTS	162-221
					RS COMPONENTS LTD.,	162-221
	141800000	0045 90 DIODE LOGIC 75V 225MA 4.0NS	EA	4.000	MULLARD	1N4148
					GOthic CRELLON LTD	1N4148
					H.B. ELECTRONICS	1N4148

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ITEM	NO	LV	DESCRIPTION	UNIT	QTY	REQ	MFG. NAME	MFG. PART #
141800000	0045	90	DIODE LOGIC 75V 225MA 4.0NS	EA	4,000		HAUNT ELECTRONICS	N4148
141800000	0046	90	DIODE LOW LEAKAGE 125V 200MA	EA	1,000		FAIRCHILD	1N3595
							INCA ELECTRONICS	1N3595
							MACRO-MARKETING LTD	1N3595
142000100	0047	90	ZENER DIODE 3.0V 0.4V 5%	EA	2,000		MULLARD	BZY88C3V0
							INTEL ELECTRONICS GROUP LTD	BZX79C3V0
							STC ELECTRONIC SERVICES LTD	BZY88C3V0
151400100	0050	90	TRANS NPN 15V 500MA T018 HSSM	EA	2,000		MULLARD	2N2369A
							GOthic CRELLON LTD	2N2369A
							HAUNT ELECTRONICS	2N2369A
							INTEL ELECTRONICS GROUP LTD	2W2369A
							SWIFT-SASCO LTD	2N2369A
151600110	0051	90	TRANS DARL 30V .3A .65W T092	EA	1,000		MOTOROLA	MPSA14
							AXION ELECTRONICS LTD	MPSA14
							GOthic CRELLON LTD	MPS-A14
							MACRO-MARKETING LTD	MPS-A14
							RADIO RESISTOR CO LTD	MOT.MPS-A14
							STC ELECTRONIC SERVICES LTD	MPSA14
151800100	0052	90	TRANSISTOR NPN 45V 100MA T018	EA	3,000		MULLARD	BC107
							GOthic CRELLON LTD	BC107
							MACRO-MARKETING LTD	BC107
							STC ELECTRONIC SERVICES LTD	BC107
152400100	0053	90	TRANS PNP 12V 700MHZ .2W T0184	EA	2,000		FAIRCHILD	2N4258
							INCA ELECTRONICS	2N6027
							MOTOROLA	2N6027
							AXION ELECTRONICS LTD	2N6027
							GOthic CRELLON LTD	2N6027
							MACRO-MARKETING LTD	2N6027
							STC ELECTRONIC SERVICES LTD	2N6027
157700110	0054	90	PUT 40V 1A 375MW T092	EA	3,000		MOTOROLA	2N5060
							STC ELECTRONIC SERVICES LTD	2N5060
159600100	0055	90	SCR 30V 0 8A GATE-200UA T092	EA	2,000		INTERCIL	1CN 7556 IPD
							R.S.COMPONENTS	308-871
							RS COMPONENTS LTD.,	308-871
							RS COMPONENTS LTD.,	308-871
11A600111	0056	90	IC DUAL TIMER 556/CMOS	EA	1,000		MOTOROLA	MC14081BCP
							AXION ELECTRONICS LTD	MC14081BCP
							MACRO-MARKETING LTD	MC14081BCP
							MOTOROLA	MC14093BCP
11CN02801	0058	90	CMOS QUAD NAND SCHMITT 4093B	EA	1,000		AXION ELECTRONICS LTD	MC140933CP
							MACRO-MARKETING LTD	MC14093BCP
							STC ELECTRONIC SERVICES LTD	64141D
11CN02700	0057	90	CMOS QUAD 2-1/P AND 4081B	EA	1,000		MOTOROLA	MC14018BCP
							NATIONAL SEMICONDUCTOR	CD4018BCN
							AXION ELECTRONICS LTD	MC14018BCP
							STC ELECTRONIC SERVICES LTD	CD4018BCN
11CN04101	0059	90	CMOS COUNTER/DIVIDER 4018B	EA	1,000		R.S.COMPONENTS	401-790
							RS COMPONENTS LTD.,...	401-790

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TO E81811300 R PC DELAY & DIVIDER CARD

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		MFG. NAME	MFG. PART #
						REQ			
/	1B35004F1	0060	90	14 PIN IC SOCKET PCB DIL	EA	3,000		RS COMPONENTS LTD., R/S. COMPONENTS RS COMPONENTS LTD.,... ,NOW R042	401-790 401-829 401-829
/	1B35006F1	0061	90	16 PIN IC SOCKET PCB DIL	EA	1,000		RS COMPONENTS LTD., FARNELL FARNELL LTD	401-829 170-004 170-004
/	1C5001501	0062	90	PAD TRANSISTOR UNIVERS, 105/18	EA	14,000		FARNELL LTD	170-004 170-004
/	E818113AC	DWG1	90	R PC DELAY & DIVIDER CARD	EA	,000			
/	E818113FC	DWG2	90	R PC DELAY & DIVIDER CARD CCT	EA	,000			

***** END OF BOM *****

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70 E8180370X RA DELAY THUMBWHEEL ASSY 4K7

R V	ITEM		DESCRIPTION	UNIT	QTY		MFG. NAME	MFG. PART #
	PART #	NO			REQ			
	13G100801	0001	90 SWITCH MIN THUMBWHEEL, DEC, +PCB	EA	1,000		CONTRAVES	UB-010-LS
							CONTRAVES INDUSTRIAL PRODUCTS	UB-010LS
	1322F5470	0002	90 RESISTOR MF 4K7 0.4W 1%	EA	9,000		MULLARD	MR25-4K7
							R.S. COMPONENTS	148-663
							HAUNT ELECTRONICS	MR25-4K7
							RS COMPONENTS LTD.,	148-663
	E818040AB	DWG1	90 RA DELAY THUMBWHEEL ASSY	EA	,000			
	A E818039FB	DWG2	90 RA DELAY THUMBWHEEL ASSY C/D	EA	,000			

***** END OF BOM *****

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70 E8180380X RA DELAY THUMBWHEEL ASSY 470R

R	ITEM	DESCRIPTION	UNIT	QTY	MFG. NAME	MFG. PART #
V	PART #	NO	LV	REQ		
	19G100801	0001 90 SWITCH MIN THUMBWHEEL, DEC, +PCB	EA	1,000	CONTRAVES	UB-010-LS
	1322F4470	0002 90 RESISTOR 470R 0.4W MF 1%	EA	9,000	CONTRAVES INDUSTRIAL PRODUCTS	UB-010LS
					MULLARD	MR25-470R
					R.S. COMPONENTS	148-427
					GOTHIC CRELLON LTD	MR25-470R
					HAUNT ELECTRONICS	MR25-470R
					RS COMPONENTS LTD.,	148-427
	E818040AB	DWG1 90 RA DELAY THUMBWHEEL ASSY	EA	,000		
	A E818039FB	DWG2 90 RA DELAY THUMBWHEEL ASSY C/D	EA	,000		

***** END OF EQM *****

Z0 E8343210X RA ASSY CARD PPG2000 LOWER

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL REQ	MANUFACTURER	MANUF. PART #
						REQ	SPARES			
	E8141101B	0003	90	RA PPG 2000 CARD	EA	1.000	.00	1		156-10P
	1C4X00320	0005	90	OXLEY TERMINAL DBL SIDE LONG	EA	20.000	.00	20	0012 OXLEY DEVELOPMENTS CO LTD	H20732-01
	1C4008600	0006	90	TERM TURRET LUG HOLLOW	EA	6.000	.00	6	0H07 HARWIN	101-255
	1C079B090	0007	90	SCREW CH SLT NY 0BAX1	EA	1.000	.00	1	0F04 FARNELL	101-260
	1C179B001	0009	90	NUT/WASHER NY 0BA	EA	1.000	.00	1	0F04 FARNELL	PLTIM-M
	680000300	0010	90	CABLE TIE PAD SMALL	EA	1.000	.00	1	0F03 PANDUIT CORPORATION	3964-20M
	680000000	0011	90	CABLE TIES NYLON NON-REL SMALL	EA	1.000	.00	1	0W12 WELWYN	PR01-8K2-5%
	13M419200	0012	90	RESISTOR HV 20M 10% 1.3W	EA	4.000	.00	4	0P13 PIHER	133-863
	1313J5820	0013	90	RESISTOR 8K2 1W CF 5%	EA	3.000	.00	3	0R02 R.S.COMPONENTS	PR01-2K7-5%
	1313J5270	0014	90	RESISTOR 2K7 1W CF 5%	EA	1.000	.00	1	0P13 PIHER	133-807
	1313J3220	0015	90	RESISTOR 22R 1W CF5%	EA	3.000	.00	3	0P13 PIHER	PR01-22R-5%
	1303J7470	0016	90	RESISTOR 470K 1W CC 5%	EA	1.000	.00	1	0A11 ALLEN BRADLEY	GB-RCR32-470K
	1007G1001	0017	90	CAP POLYESTER/PAPER 10NF 8KV	EA	1.000	.00	1	0H25 HIWOLT	0.01UF8KVTM80-
	1016G1001	0018	90	CAPACITOR 0.01UF 5KV	EA	1.000	.00	1	0H25 HIWOLT	0.01UF5KVTM50
	140M00000	0019	90	DIODE RECT 6000V 0.45A	EA	1.000	.00	1	0S06 SEMIKRON	HAKE2500/110003
	1F6000001	0020	90	TRANSFORMER TRIGGER SIGNAL	EA	1.000	.00	1	0S10 SIBA	KN22
	1HA1H1301	0021	90	INDUCTOR SATURABLE 130MH H.V.	EA	1.000	.00	1	0E05 EG AND G	REV A=ISS 3
	260000001	0022	90	KRYTRON KN22	EA	1.000	.00	1		
	E830403FC	DWG1	90	RA PCK CELL DRIVE UNIT C/D	EA	.000	.00	0	0J02 J K LASERS	

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70 E8343220X RA ASSY CARD PFG2000 UPPER

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY			TOTAL REQ	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ			
	E8141101B	0003	90	RA PPG 2000 CARD	EA	1,000	.00	1			
	1C4X00320	0005	90	OXLEY TERMINAL DBL SIDE LONG	EA	20,000	.00	20		0012 OXLEY DEVELOPMENTS CO LTD	156-10P
	1C4008600	0006	90	TERM TURRET LUG HOLLOW	EA	6,000	.00	6		0H07 HARWIN	H20732-01
	1C079B090	0007	90	SCREW CH SLT NY 0BAX1	EA	1,000	.00	1		0F04 FARNELL	101-255
	1C179B001	0008	90	NUT/WASHER NY 0BA	EA	1,000	.00	1		0F04 FARNELL	101-260
	680000300	0010	90	CABLE TIE PAD SMALL	EA	1,000	.00	1		0P03 PANDUIT CORPORATION	PLTIM-M
	680000000	0011	90	CABLE TIES NYLON NON-REL SMALL	EA	1,000	.00	1		0W12 WELWYN	3964-20M
	13M419200	0012	90	RESISTOR HV 20M 10% 1.3W	EA	2,000	.00	2		0P13 PIHER	PR01-2K7-5%
	1313J5270	0013	90	RESISTOR 2K7 1W CF 5%	EA	1,000	.00	1		0R02 R.S.COMONENTS	133-807
	1313J3220	0014	90	RESISTOR 22R 1W CFS%	EA	3,000	.00	3		0P13 PIHER	PR01-22R-5%
	1303J7470	0015	90	RESISTOR 470K 1W CC 5%	EA	1,000	.00	1		0A11 ALLEN BRADLEY	GB-RCR32-470K
	1007G1001	0016	90	CAP POLYESTER/PAPER 10NF 8KV	EA	1,000	.00	1		0H25 HIWOLT	0.01UF8KVTPM80-
	140M00000	0017	90	DIODE RECT 6000V 0.45A	EA	1,000	.00	1		0S06 SEMIKRON	HAKE2500/110003
	1F6000001	0018	90	TRANSFORMER TRIGGER SIGNAL	EA	1,000	.00	1			
	1HA1H1301	0019	90	INDUCTOR SATURABLE 130MH H.V.	EA	1,000	.00	1		0S10 SIBA	KN22
	260000001	0020	90	KRYTRON KN22	EA	1,000	.00	1		0E05 EG AND G	REV A=ISS 3
	E830403FC	DWG1	90	RA PCK CELL DRIVE UNIT C/D	EA	.000	.00	0		0J02 J K LASERS	

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J.K. LASERS MANUFACTURING SYSTEM
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70 E8105670R RA CARD ASSY TSA2000/SCR

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
A	E8105670R	0001	90	RA CARD ASSY TSA2000/SCR	EA	.000	.00	0		
A	E8105661B	0002	90	RA TSA 2000/SCR CARD	EA	1.000	.00	1		
A	E810520FB	0005	90	RA CIRC DIAG TSA2000/SCR CARD	EA	.000	.00	0		
	132000010	0006	90	CERAMIC SPACER 10MM	EA	2.000	.00	2		
	610001800	0008	90	TR 4 WAY PCB 6AMP 5MM PITCH	EA	4.000	.00	4		
	1311J4120	0009	90	RESISTOR 120R 0.25W CF 5%	EA	4.000	.00	4	0M11 METWAY ELECTRICAL INDUSTRIES	P95/4
	1376J4150	0010	90	RESISTOR 150R WW 9W 5%	EA	1.000	.00	1	0D09 DUBILIER	BTF4-120R
	1034G1001	0011	90	CAP CER DISC 10N 500V -20+80%	EA	2.000	.00	2	0R02 R.S. COMPONENTS	131-148
	1065H6801	0012	90	CAP POLYPROP 680NF 500V AC 10%	EA	1.000	.00	1	0M12 MELWYN	W23-150R
	680000000	0013	90	CABLE TIE NYLON NON-REL SMALL	EA	1.000	.00	1	0S30 STC	CD16K210N0MS555
	1F5000101	0014	90	TRANSFORMER IMPULSE PCB	EA	2.000	.00	2	0S31 STC(CONT....)	00DSC
									0102 I.C.W.	AP680NK500
									0P03 PANDUIT CORPORATION	PLTIN-M
									0N03 NEWPORT	77208

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J.K. LASERS MANUFACTURING SYSTEM
SINGLE LEVEL BOM LISTING PAGE

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70 E82035906 RB CARD ASSY MK2 TRIGGER

P	ITEM				QTY	TOTAL	
W	NO	LV	DESCRIPTION	UNIT	REQ	SPPARES REQ	MANUFACTURER
PART #							MANUF. PART #

ES108521B	0002	90	RA NK 2 TRIGGER CARD	EA	1.000	.00	1
680006100	0006	90	CAP CLIP PLASTIC 25MM SERIES W	EA	1.000	.00	1

41010

1C4008700	0007	90	TERM TURRET LUG HOLLOW	EA	6.000	.00	5	OH07	HARWIN	H2072-Z-01
1C079E290	0008	90	SCREW CH SLT NY 2BAx1	EA	1.000	.00	1			

H2072-2-01

1C079B290	0008	90	SCREW CH SLT NY 2BAx1	EA	1,000	,00	1	QF04	FARNELL	101-252
1C179B201	0009	90	NUT/WASHER NY 2BA	EA	1,000	,00	1	QF04	FARNELL	101-259

101-259

1372000010	001	1	90	CERAMIC SPACER 10M1	EA	5,000	,00
1376J5270	0013	90		RESISTOR 2K7 9W 5%	EA	2,000	,00

W23-2K7

1312J3330	0014	90	RESISTOR	33R	0.5W	CF	5%	EA	1.000	,00	1
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PR50-33R-52
142-154

ITEM NO.	DESCRIPTION	QTY	UNIT PRICE	TOTAL
1312J3820	0015 90 RESISTOR 82R 0.5W CF 5%	EA	1.000	.00

PR50-82R-5%

1312J4470	0017	90	RESISTOR	470R	0.5W	CF	5%	EA	1.000	.00	1
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201-482

	0P13	PIHER	PR50-470R-5%
	0R02	R,S.COMPONETS	132-416
1335J5100 0018 90	RESISTOR 1K0 W 2.5W 5%	EA	1,000
			.00
			1

13415

1313J8100	0019	90	RESISTOR 1M 1W CF 5%	EA	3.000	.00	3
1313J8100	0019	90	RESISTOR 1M 1W CF 5%	EA	3.000	.00	3

1621-1KO

0009	DUBILIER	BT1-1M
0P13	PIHER	PRO1-1M-52
0R02	R.S.COMPONETS	134-119

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1312J5100 0020 90	RESISTOR 1K 0.5W CF 5%	EA 1,000	.00	1
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PR50-1K-5%

1085H1001	0021	90	CAP POLYCARB	0.1UF	630V	EA	2,000	,00	2
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113-702

1002H1001	0022	90	CAP POLYESTER	0.1UF	100V	10%	EA	2,000	,00	2	Q014	WILHELM WESTERMAN	MKS4	0.1U	100V
1065H4701	0023	90	CAP POLYPROP	0.47UF	1000V	20%	EA	1,000	,00	1					

MK54 0.1U 1004

14AJ20010 0024 30	DIODE AYCH 1000V 2A	EA	4,000	,00	4

114-626

142B30000	0025	90	DIODE, ZENER 200V 5W 5%	EA	3.000	.00	3
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BY 1156

142100500	0026	90	DIODE, ZENER 6.8V 0.4W 5%	EA	1.000	.00	1
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145388

140J20000 0027 90	DIODE RECT 1000V 3A	EA	3.000	.00	3
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B2Y383C649

157700110	0028	90	PUT	40V	1A	375NM	T092	EA	1,000	.00	1
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145408

157700110	0028 90	PUT 40V 1A 375MW	T092	EA	1.000	.00	1	0M21	MOTOROLA
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2406027

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70 E8208590B RB CARD ASSY MK2 TRIGGER

R V	PART #	ITEM NO	LY	DESCRIPTION	UNIT	QTY			TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ			
		139E00100	0029	90 SCR 700V/250V 8A FST 10/32UNF	EA	1.000	.00	1		OM01 M.E.D.L.	XT2104-701
A	E8242311B	0030	90	RA TRIGGER INDUCTOR	EA	1.000	.00	1			
	E820500FB	DWG1	90	RA CIRC DIAG MK2 TRIGGER CARD	EA	.000	.00	0			
	E820859AB	DWG2	90	RA CARD ASSY MK2 TRIGGER	EA	.000	.00	0			

***** END OF BOM *****

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70 E8110300B RB PD2000L CARD ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY			TOTAL REQ	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ			
A	E8110291B	0003	90	RB CARD PD2000L	EA	1,000	.00	1			
	1C4008700	0005	90	TERM TURRET LUG HOLLOW	EA	8,000	.00	8			H2072-Z-01
	13M419200	0006	90	RESISTOR HV 20M 10% 1.3W	EA	1,000	.00	1			3964-20M
	1362G6330	0007	90	RESISTOR 33K 0.5W NO 2%	EA	1,000	.00	1			146-853
											NR5-33K
	1313J8100	0008	90	RESISTOR 1M 1W CF 5%	EA	1,000	.00	1			BT1-1M
											PR01-1M-5%
											134-119
	13M409200	0009	90	RESISTOR HV 20M 10% 1.3W	EA	1,000	.00	1			F44D 20M
A	E811041FB	DWG1	90	RA CIRC DIAG PD2000L CARD	EA	.000	.00	0			
	E8110304B	DWG2	90	RA PD2000L CARD ASSY	EA	.000	.00	0			

***** END OF BON *****

70 E81107208 RC CARD ASSY L PULSE GENERATOR

R	PART #	ITEM NO	LY	DESCRIPTION	UNIT	QTY REQ	SPARES	TOTAL REQ	MANUFACTURER	MANUF. PART #
A	E8105391C	0002	90	RB PULSE GEN CARD	EA	1,000	.00	1	FARNELL	175-064
	1B34002F1	0007	90	8 PIN IC SOCKET PCB DIL	EA	1,000	.00	1	0F04 R.S.COMPONENTS	401-813
	1B35004F1	0008	90	14 PIN IC SOCKET PCB DIL	EA	1,000	.00	1	0R02 R.S.COMPONENTS	401-790
	1C5001501	0009	90	PAD TRANSISTOR UNIVERS, T05/18	EA	5,000	.00	5	0F04 FARNELL	170-004
	1B35006F1	0010	90	16 PIN IC SOCKET PCB DIL	EA	1,000	.00	1	0R02 R.S.COMPONENTS	401-829
	1312J4390	0011	90	RESISTOR 390R 0.5W CF 5%	EA	2,000	.00	2	0P13 PIHER	PR50-390R-5%
									0R02 R.S.COMPONENTS	132-393
	1312J6100	0012	90	RESISTOR 10K 0.5W CF 5%	EA	3,000	.00	3	0P13 PIHER	PR50-10K-5%
									0R02 R.S.COMPONENTS	132-731
	1312J3100	0013	90	RESISTOR 10R 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-10R-5%
	1312J6470	0014	90	RESISTOR 47K 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-47K-5%
									0R02 R.S.COMPONENTS	132-898
	1312J5100	0015	90	RESISTOR 1K 0.5W CF 5%	EA	2,000	.00	2	0P13 PIHER	PR50-1K-5%
									0R02 R.S.COMPONENTS	132-494
	1362G5470	0016	90	RESISTOR 4K7 0.5W MO 2%	EA	2,000	.00	2	0R02 R.S.COMPONENTS	146-651
									0M12 WELWYN	MR5-4K7
	1312J5220	0017	90	RESISTOR 2K2 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-2K2-5%
									0R02 R.S.COMPONENTS	132-573
	1312J6120	0018	90	RESISTOR 12K 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-12K-5%
									0R02 R.S.COMPONENTS	132-753
	1312J5680	0019	90	RESISTOR 6K8 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-6K8-5%
									0R02 R.S.COMPONENTS	132-696
	1312J5470	0020	90	RESISTOR 4K7 0.5W CF 5%	EA	3,000	.00	3	0P13 PIHER	PR50-4K7-5%
									0R02 R.S.COMPONENTS	132-652
	1312J4100	0021	90	RESISTOR 100R 0.5W CF 5%	EA	2,000	.00	2	0P13 PIHER	PR50-100R-5%
									0R02 R.S.COMPONENTS	132-258
	1312J7100	0022	90	RESISTOR 100K 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-100K-5%
									0R02 R.S.COMPONENTS	132-977
	1312J6220	0023	90	RESISTOR 22K 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-22K-5%
									0R02 R.S.COMPONENTS	132-810

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70 E81107208 RC CARD ASSY L PULSE GENERATOR

R	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY REQ	SPARES	TOTAL REQ	MANUFACTURER	MANUF. PART #
	1312J3220	0024	90	RESISTOR 22R 0.5W CF 5%	EA	2,000	.00	2	OP13 PIHER OR02 R.S.COMPONENTS	PR50-22R-5% 132-090
	1312J5820	0025	90	RESISTOR 8K2 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER OR02 R.S.COMPONENTS	PR50-8K2-5% 132-719
	1312J6150	0026	90	RESISTOR 15K 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER OR02 R.S.COMPONENTS	PR50-15K-5% 132-775
	1312J4100	0027	90	RESISTOR 100R 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER OR02 R.S.COMPONENTS	PR50-100R-5% 132-258
	1335J2180	0028	90	RESISTOR 1R8 1W 2.5W 5%	EA	1,000	.00	1	OW12 WELWYN	W21-1R8
	1312J3820	0029	90	RESISTOR 82R 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER	PR50-82R-5%
	1362G3100	0030	90	RESISTOR 10R 0.5W MO 2%	EA	1,000	.00	1	OR02 R.S.COMPONENTS OW12 WELWYN	146-011 MR5-10R
	1362G6220	0031	90	RESISTOR 22K 0.5W MO 2%	EA	1,000	.00	1	OR02 R.S.COMPONENTS OW12 WELWYN	146-819 MR5-22K
	1362G6270	0032	90	RESISTOR 27K 0.5W MO 2%	EA	1,000	.00	1	OR02 R.S.COMPONENTS OW12 WELWYN	146-831 MR5-27K
	1312J3820	0039	90	RESISTOR 82R 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER	PR50-82R-5%
	1311J5150	0040	90	RESISTOR 1K5 0.25W CF 5%	EA	1,000	.00	1	OD09 DUBILIER OR02 R.S.COMPONENTS	BT4-1K5 131-277
	1002J6811	0041	90	CAP POLYESTER 6.8UF 63V	EA	1,000	.00	1	OW14 WILHELM WESTERMAN	MKS4 618U 63V
	1075E4701	0042	90	CAP POLYSTYRENE 470PF 630V 1%	EA	1,000	.00	1	OM22 MULLARD	42744701
	1052J2201	0043	90	CAP. ELECT. 2.2UF 63V AXIAL	EA	1,000	.00	1	OM22 MULLARD	030-38228
	1075E1001	0044	90	CAP POLYSTYRENE 100PF 630V 1%	EA	1,000	.00	1	OM22 MULLARD	427-41001U
	1002H4711	0045	90	CAP POLYESTER 0.47UF 63V 10%	EA	1,000	.00	1	OW14 WILHELM WESTERMAN	MKS4-0.47
	1002H2201	0046	90	CAP POLYESTER 0.22UF 100V 10%	EA	1,000	.00	1	OW14 WILHELM WESTERMAN	MKS4 0.22U 100V
C	1073F4701	0047	90	CAP POLYSTYRENE 4700PF 160V 1%	EA	1,000	.00	1	OM22 MULLARD	425-44702U
	1002H4701	0048	90	CAP POLYESTER 0.47UF 100V 10%	EA	1,000	.00	1	OW14 WILHELM WESTERMAN	WIMAMKS4-0.47
	1002H2201	0049	90	CAP POLYESTER 0.22UF 100V 10%	EA	1,000	.00	1	OW14 WILHELM WESTERMAN	MKS4 0.22U 100V

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70 E8110720R RC CARD ASSY L PULSE GENERATOR

R	ITEM	DESCRIPTION	UNIT	QTY	SPARES	TOTAL	MANUFACTURER	MANUF. PART #		
V	PART #	NO	LV	REQ	REQ	REQ				
	1002J1011	0050	90	CAP POLYESTER 10F 100V 10%	EA	1.000	.00	1	0W14 WILHELM WESTERMAN	MKS4 1-00 10V
	1075E4701	0051	90	CAP POLYSTYRENE 470PF 630V 1%	EA	1.000	.00	1	0M22 MULLARD	42744701
	1050M1501	0052	90	CAP ELECTLYTIC ALUM 150UF 16V	EA	1.000	.00	1	0M22 MULLARD	031-35151
	13A365100	0053	90	TRIM CERNET 1K0 0.75W 22T	EA	1.000	.00	1	0B10 BECKMAN	78P1K0
	151800300	0055	90	TRANS NPN 60V 0.8A 0.8W T0-5	EA	1.000	.00	1	0F06 FERRANTI LTD	2N2219
								0M21 MOTOROLA	2N2219	
								0T12 TEXAS INSTRUMENTS	2N2219	
	151800100	0056	90	TRANSISTOR NPN 45V 100MA T018	EA	2.000	.00	2	0M22 MULLARD	BC107
	151600110	0057	90	TRANS DARL 30V .3A .65W T092	EA	1.000	.00	1	0M21 MOTOROLA	MPS-A14
	155800100	0058	90	TRANS PNP 45V 6A T0126	EA	1.000	.00	1	0M22 MULLARD	BD132
	152900100	0059	90	TRANS PNP 75V 2A 1W T039	EA	1.000	.00	1	0S09 SGS	BC461
	11A200700	0060	90	IC OP AMP 741C FREQ COMP	EA	1.000	.00	1	0F03 FAIRCHILD	UA741FC
	11CM02801	0061	90	CMOS QUAD NAND SCHMITT 4093B	EA	1.000	.00	1	0M21 MOTOROLA	MC14093BCP
	11CM03301	0062	90	CMOS DUAL MONO MUX 1% MC14538B	EA	1.000	.00	1	0M21 MOTOROLA	MC14538B
	141800000	0063	90	DIODE LOGIC 75V 225MA 1/4.0NS	EA	5.000	.00	5	0M22 MULLARD	1N4148
	140910000	0064	90	DIODE RECT 100V 1A	EA	5.000	.00	5	0M21 MOTOROLA	1N4002
	142000500	0065	90	ZENER DIODE 3.9V 0.4W 5%	EA	1.000	.00	1	0M22 MULLARD	BZX79C3V9
	142000000	0066	90	ZENER DIODE 3.3V 0.4W 5%	EA	1.000	.00	1	0M22 MULLARD	BZX79C3V3
	1G0B00201	0067	90	RELAY PCB 12VDC 230R 2C/0	EA	1.000	.00	1	0M05 MATSUSHITA	NF4
								0R02 R.S.COMPONENTS	349-197	
	1C0A8M271	0068	90	SCREW PH SLT BNP M2X12	EA	1.000	.00	1	0R02 R.S.COMPONENTS	RS523-783
	1C101M200	0069	90	NUT HX SS M2	EA	1.000	.00	1	0000 BRIT STAN.	BS3692
	1C274M401	0070	90	WASHER INSHAKE CP M2.5	EA	1.000	.00	1	0F04 FARNELL	101-475
	1C204M401	0071	90	WASHER FL CP M2 5X6-5X0.5	EA	2.000	.00	2	0F04 FARNELL	101-459
								0P09 PENSNETT LTD	BS4320FORM A CP	
	1C4008911	0072	90	TRACK PIN PCB HOLE DIA 1.0MM	EA	1.000	.00	1	0H07 HARWIN	T1563-01

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70 E8110720B RC CARD ASSY L PULSE GENERATOR

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL		MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ			
	E810358FC	DWG1	90	RB CIRC DIAG PULSE GEN 2000L&H	EA	.000	.00	0			
	E810539AC	DWG2	90	RA 2000L PULSE GEN CARD ASSY	EA	.000	.00	0			

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70 E8111070X RB 2000L&H POWER UNIT CARD ASS

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
		133502180	0004 90	RESISTOR 1R8 WW 2.5W 5%	EA	2,000	.00	2	0W12 WELWYN	W21-1R8
		1312J5470	0005 90	RESISTOR 4K7 0.5W CF 5%	EA	1,000	.00	1	0P13 PIHER	PR50-4K7-5%
		1052N1001	0006 90	CAP ELECTLYTIC ALUM 1000UF 40V	EA	2,000	.00	2	0R02 R.S.COMPONENTS	132-652
		140910000	0007 90	DIODE RECT 100V 1A	EA	6,000	.00	6	0M22 MULLARD	032 17102
		11A000420	0008 90	V-REG + 15V 1A T03 4%	EA	1,000	.00	1	0M21 MOTOROLA	1N4002
		11A000230	0009 90	V-REG -15V 1A T03 4%	EA	1,000	.00	1	0M21 MOTOROLA	MC7815CK
		1G0B00201	0010 90	RELAY PCB 12VDC 230R 2C/O	EA	1,000	.00	1	0N01 NATIONAL SEMICONDUCTOR	LM7815CK
		1041J1001	0011 90	CAP TANT 1UF 35V	EA	2,000	.00	2	0M21 MOTOROLA	MC7915CK
		1C5000701	0012 90	HEATSINK T03 BL PAINT DRILLED	EA	2,000	.00	2	0M05 MATSUSHITA	NE4
		132000010	0013 90	CERAMIC SPACER 10MM	EA	4,000	.00	4	0R02 R.S.COMPONENTS	349-197
		E81110618	0014 90	RB POWER UNIT CARD	EA	1,000	.00	1	0D09 DUBILIER	SH-1M35
		1C4009000	0015 90	TERM PINS SINGLE-SIDED	EA	2,000	.00	2	0R02 R.S.COMPONENTS	401-778
		1C0A1M560	0016 90	SCREW PH SLT SS M3X10	EA	4,000	.00	4	0000 BRIT STAN.	433-854
		1C101M500	0017 90	NUT HX SS M3	EA	4,000	.00	4	0000 BRIT STAN.	BS4183
		1C201M500	0018 90	WASHER FL SS M3X7X0.5	EA	4,000	.00	4	0000 BRIT STAN.	BS3692
		1C274M501	0019 90	WASHER INSHAKE CP M3	EA	4,000	.00	4	0F04 FARNELL	BS4320 FORMA
		1A0920300	0020 90	COPPER WIRE TINMED 20SWG 0.5KG	KG	.000	.00	0	0F04 FARNELL	101-473
A	E811107AB	DWG1 90	RA 2000L&H POWER UNIT CARD ASS	EA	.000	.00	.00	0		TCW20
	E810428FB	DWG2 90	RB CARD PUR CIR DIAG 2000 L2H	EA	.000	.00	.00	0		

***** END OF BOM *****

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70 E8111080X RC L CONTROL CARD ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
	E8169551C	0001	90	R CARD CU2000L	EA	1,000	.00	1		
	E810357FB	0002	90	RA L CONTROL CARD CIRC DIAG	EA	.000	.00	0		
	1312J5120	0003	90	RESISTOR 1K2 0.5W CF 5%	EA	2,000	.00	2		
					OP13				PIHER	PR50-1K2-5%
					OR02				R.S.COMPONENTS	132-517
	1312J7330	0004	90	RESISTOR 330K 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-330K-5%
					OR02				R.S.COMPONENTS	133-093
	1312J4220	0005	90	RESISTOR 220R 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-220R-5%
					OR02				R.S.COMPONENTS	132-337
	1312J4390	0006	90	RESISTOR 390R 0.5W CF 5%	EA	3,000	.00	3		
					OP13				PIHER	PR50-390R-5%
					OR02				R.S.COMPONENTS	132-393
	1312J5560	0007	90	RESISTOR 5K6 0.5W CF 5%	EA	3,000	.00	3		
					OP13				PIHER	PR50-5K6-5%
					OR02				R.S.COMPONENTS	132-674
	1312J4120	0008	90	RESISTOR 120R 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-120R-5%
					OR02				R.S.COMPONENTS	132-270
	1312J5470	0009	90	RESISTOR 4K7 0.5W CF 5%	EA	2,000	.00	2		
					OP13				PIHER	PR50-4K7-5%
					OR02				R.S.COMPONENTS	132-652
	1312J6330	0010	90	RESISTOR 33K 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR-33K-5%
					OR02				R.S.COMPONENTS	132-654
	1312J6100	0011	90	RESISTOR 10K 0.5W CF 5%	EA	2,000	.00	2		
					OP13				PIHER	PR50-10K-5%
					OR02				R.S.COMPONENTS	132-731
	1312J5220	0012	90	RESISTOR 2K2 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-2K2-5%
					OR02				R.S.COMPONENTS	132-573
	1312J7100	0013	90	RESISTOR 100K 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-100K-5%
					OR02				R.S.COMPONENTS	132-977
	1312J3680	0014	90	RESISTOR 68R 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-68R-5%
					OR02				R.S.COMPONENTS	132-214
	1312J6120	0015	90	RESISTOR 12K 0.5W CF 5%	EA	2,000	.00	2		
					OP13				PIHER	PR50-12K-5%
					OR02				R.S.COMPONENTS	132-753
	1312J3820	0016	90	RESISTOR 82R 0.5W CF 5%	EA	2,000	.00	2		
					OP13				PIHER	PR50-82R-5%
	1312J5120	0017	90	RESISTOR 1K2 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-1K2-5%
					OR02				R.S.COMPONENTS	132-517
	1312J3220	0018	90	RESISTOR 22R 0.5W CF 5%	EA	1,000	.00	1		
					OP13				PIHER	PR50-22R-5%
					OR02				R.S.COMPONENTS	132-090

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70 E8111080X RC L CONTROL CARD ASSY

R	ITEM	DESCRIPTION	UNIT	QTY	REQ	SPARES	TOTAL	MANUFACTURER	MANUF. PART #
V	PART #	NO	LV				REQ		
	1312J4680	0019	90	RESISTOR 680R 0.5W CF 5%	EA	1.000	.00	1	OP13 PIHER OR02 R.S.COMONENTS PR50-680R-5% 132-450
	1312J4100	0020	90	RESISTOR 100R 0.5W CF 5%	EA	1.000	.00	1	OP13 PIHER OR02 R.S.COMONENTS PR50-100R-5% 132-258
	1312J5390	0021	90	RESISTOR 3K9 0.5W CF 5%	EA	2.000	.00	2	OP13 PIHER OR02 R.S.COMONENTS PR50-3K9-5% 132-630
	1312J3100	0022	90	RESISTOR 10R 0.5W CF 5%	EA	1.000	.00	1	OP13 PIHER PR50-10R-5%
	1312J6470	0023	90	RESISTOR 47K 0.5W CF 5%	EA	1.000	.00	1	OP13 PIHER OR02 R.S.COMONENTS PR50-47K-5% 132-898
	11A200700	0024	90	IC OP AMP 741C FREQ COMP	EA	2.000	.00	2	OF03 FAIRCHILD UA741IC
	11A200500	0025	90	IC OP AMP NE531N HI-SLEW RATE	EA	1.000	.00	1	OS14 SIGNETICS NE531N
	11CM02801	0026	90	CMOS QUAD NAND SCHMITT 4093B	EA	1.000	.00	1	MC14093BCP
	1003G2201	0027	90	CAP POLYESTER 0.022UF 250V 10%	EA	3.000	.00	3	OW14 WILHELM WESTERMAN WIMA MK4 0.022
	1002H2201	8028	90	CAP POLYESTER 0.22UF 100V 10%	EA	1.000	.00	1	OW14 WILHELM WESTERMAN MK4 0.22U 100V
	1050M1501	0029	90	CAP ELECTLYTIC ALUM 150UF 16V	EA	1.000	.00	1	OM22 MULLARD 031-35151
	1032H1001	0030	90	CAP DISC CER 0.1UF 50V -25+50%	EA	1.000	.00	1	OR02 R.S.COMONENTS 124-178
	1051K2201	0031	90	CAP ELECTLYTIC ALUM 22UF 25V	EA	4.000	.00	4	OM22 MULLARD 030-36229
	1032H1001	0032	90	CAP DISC CER 0.1UF 50V -25+50%	EA	1.000	.00	1	OR02 R.S.COMONENTS 124-178
	1002H4711	0033	90	CAP POLYESTER 0.47UF 63V 10%	EA	1.000	.00	1	OW14 WILHELM WESTERMAN MK4-0.47
	13A215100	0034	90	TRIM CERMET 1K0 0.5W 3/8SQ S	EA	2.000	.00	2	OS25 SPECTROL 63S-1K0
	13A215200	0035	90	TRIM CERMET 2K0 0.5W 3/8SQ S	EA	1.000	.00	1	OS25 SPECTROL 63S-2K0
	141800000	0036	90	DIODE LOGIC 75V 225mA 4.0NS	EA	9.000	.00	9	OM22 MULLARD IN4148
	142000500	0037	90	ZENER DIODE 3.9V 0.4W 5%	EA	1.000	.00	1	OM22 MULLARD BZX79C3V9
	142100601	0038	90	DIODE ZENER 5.6V 0.4W 5% BZX79	EA	1.000	.00	1	OM22 MULLARD BZX79C5V6
	151800100	0039	90	TRANSISTOR NPN 45V 100MA T018	EA	2.000	.00	2	OM22 MULLARD BC107
	151500100	0040	90	TRANS NPN 20V 100MA T018	EA	1.000	.00	1	OM22 MULLARD BC109 BC109 BC109 NATIONAL SEMICONDUCTOR UK

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70 E8111080X RC L CONTROL CARD ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
	152700300	0041	90	TRANS PNP 40V 150MA 1092	EA	2,000	.00	2	0M21 MOTOROLA	2N4402
	157600200	0042	90	UT PN 30V 2A 300MW 1018	EA	1,000	.00	1	0M21 MOTOROLA	2N2647
	1C5001501	0043	90	PAD TRANSISTOR UNIVERS, 105/18	EA	6,000	.00	6	0F04 FARNELL	170-004
	1B35004F1	0044	90	14 PIN IC SOCKET PCB DIL	EA	1,000	.00	1	0R02 R.S.COMONENTS	401-790
	1B34002F1	0045	90	8 PIN IC SOCKET PCB DIL	EA	2,000	.00	2	0F04 FARNELL	175-064
	1002H1001	0046	90	CAP POLYESTER 0.1UF 100V 10%	EA	1,000	.00	1	0R02 R.S.COMONENTS	401-813
	1C4008911	0047	90	TRACK PIN PCB HOLE DIA 1.0MM	EA	1,000	.00	1	0W14 WILHELM WESTERMAN	MKS4 0.1U 100V
									0H07 HARWIN	T1563-01

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J.K. LASERS MANUFACTURING SYSTEM
S I N G L E L E V E L B O M L I S T I N G

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70 ES111480B RB O/V CARD ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY REQ	SPARES	TOTAL REQ	MANUFACTURER	MANUF. PART #
A	ES11204FB	0002	90	RA CARD O/V CIRC DIAG 2000L	EA	1,000	.00	0		
A	ES106621B	0005	90	RB O/V CARD	EA	1,000	.00	1		
	1C4010601	0006	90	TERM TURRET TAG SMALL	EA	4,000	.00	4		
	1B34002F1	0007	90	8 PIN IC SOCKET PCB DIL	EA	1,000	.00	1	OR02 R.S.COMONENTS	433-573
	1C5001601	0008	90	PAD TRANSISTOR PO TYPE 1B	EA	1,000	.00	1	0F04 FARNELL	175-064
	1B2200100	0009	90	FUSEHOLDER CHASSIS MOUNT 1.25"	EA	2,000	.00	2	OR02 R.S.COMONENTS	401-813
	610002200	0010	90	TB 3 WAY 6AMP 10MM PITCH	EA	2,000	.00	2	0F04 FARNELL	170-002
	610002400	0011	90	TB 2 WAY PCB 6AMP 10MM PITCH	EA	1,000	.00	1	OR02 R.S.COMONENTS	412-677
	1312J6100	0012	90	RESISTOR 10K 0.5W CF 5%	EA	1,000	.00	1	OM11 METWAY ELECTRICAL INDUSTRIES	P96/3
	1312J5220	0013	90	RESISTOR 2K2 0.5W CF 5%	EA	1,000	.00	1	OM11 METWAY ELECTRICAL INDUSTRIES	P96/2
	1312J5330	0014	90	RESISTOR 3K3 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER	PR50-10K-5%
	1312J6330	0015	90	RESISTOR 33K 0.5W CF 5%	EA	1,000	.00	1	OR02 R.S.COMONENTS	132-731
	1312J5100	0016	90	RESISTOR 1K 0.5W CF 5%	EA	1,000	.00	1	OP13 PIHER	PR50-2K2-5%
	1312J4100	0017	90	RESISTOR 100R 0.5W CF 5%	EA	1,000	.00	1	OR02 R.S.COMONENTS	132-573
	1003G1001	0018	90	CAP POLYESTER 0.01UF 250V 10%	EA	2,000	.00	2	OP13 PIHER	PR50-3K3-5%
	1073F1011	0019	90	CAP POLYSTYRENE 1NF 250V 1%	EA	1,000	.00	1	OR02 R.S.COMONENTS	PR-33K-5%
	1041J2201	0020	90	CAP TANT 2.2UF 35V	EA	1,000	.00	1	OP13 PIHER	132-854
	1052M2201	0021	90	CAP ELECTLYTIC ALUM 220UF 63V	EA	1,000	.00	1	OR02 R.S.COMONENTS	PR50-1K-5%
	140910000	0022	90	DIODE RECT 100V 1A	EA	3,000	.00	3	OR02 R.S.COMONENTS	132-494
	142100300	0023	90	DIODE, ZENER 5.6V 0.4W 5%	EA	1,000	.00	1	OP13 PIHER	PR50-100R-5%
	141800000	0024	90	DIODE LOGIC 75V 225MA 4.0NS	EA	1,000	.00	1	OR02 R.S.COMONENTS	132-258
	13A235100	0025	90	TRIM CERNET 1K0 0.5W 3/8SQ TOP	EA	1,000	.00	1	OP13 PIHER	MKS-4/0.01V250V

OS25 SPECTROL

63P-102

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J.K. LASERS MANUFACTURING SYSTEM
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70 E811480B RB O/V CARD ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
	183B50300	0026	90	FUSE CART 500MA SB 1.25IN	EA	1,000	.00	1	OR02 R.S.COMONENTS	412-447
	1G0B00601	0027	90	RELAY HIGH SENSITIVITY 12V 1K6	EA	1,000	.00	1	QB03 B & R OF04 FARNELL	P01-F012DC-B303 170-192
	1S1800100	0028	90	TRANSISTOR NPN 45V 100MA T018	EA	1,000	.00	1	OM22 MULLARD	BC107
	1F5000001	0029	90	TRANSFORMER MAINS 6W 20/20V PC	EA	1,000	.00	1	OR02 R.S.COMONENTS	207-762
	E811480B	DMG1	90	RA CARD O/V ASSY 2000L	EA	.000	.00	0		

***** END OF BOM *****

05/10/85

70 E8143950B RB HEATSINK ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY			MANUFACTURER	MANUF. PART #
						REQ	SPARES	TOTAL REQ		
	A E8143941B	0002	90	HEATSINK DRILLED	EA	1,000	.00	1		
	B 680001101	0003	90	PILL NYL TYPE 680 5/160X1" LONG	EA	1,000	.00	1	G & B PROJECTS	AS DESCRIPTION
	1C4006900	0004	90	TERM UNINSUL SOLDER TAGS M3	EA	2,000	.00	2		532-541
	1376J3150	0005	90	RESISTOR 15R 1/4W 5%	EA	2,000	.00	2	P.S. COMPONENTS	W23-15R
	140K20000	0006	90	DIODE RECT 5KV 1.5A 300MS	EA	4,000	.00	4	WELBYN	WC50
	E814395AB	DWG1	90	RA HEATSINK ASSY (VARO VC50)	EA	.000	.00	0	VARO	

***** END OF RUN *****

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J.K. LASERS MANUFACTURING SYSTEM
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70 E8344900B RC P/C DRIVER PWR CRD ASSY

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
B	E83111061B	0002	90	RB POWER UNIT CARD	EA	1.000	.00	1		W21-1R8
A	E830427FB	0003	90	RB POCK CELL DRIVER PWR CRD CD	EA	.000	.00	0		SH-10M35
	1335J2180	0004	90	RESISTOR 1R8 MW 2.5W 5%	EA	1.000	.00	1		102-702
	1041K1001	0008	90	CAP TANT 10UF 35V	EA	1.000	.00	1		032 17102
	1052N1001	0009	90	CAP ELECTLYTIC ALUM 1000UF 40V	EA	1.000	.00	1		IN4002
	140910000	0010	90	DIODE RECT 100V 1A	EA	4.000	.00	4		MC7815CK
	11A000420	0011	90	V-REG + 15V 1A T03 4%	EA	1.000	.00	1		LM7815CK
	11A000620	0012	90	V-REG + 5.0V 1A T03	EA	1.000	.00	1		LM309K
	105000701	0016	90	HEATSINK T03 BL PAINT DRILLED	EA	2.000	.00	2		401-778
	104009000	0017	90	TERM PINS SINGLE-SIDED	EA	1.000	.00	1		433-854
	100A1M560	0018	90	SCREW PH SLT SS M3X10	EA	4.000	.00	4		BS4183
	10101M500	0019	90	NUT HK SS M3	EA	4.000	.00	4		BS3692
	10201M500	0020	90	WASHER FL SS M3X7X0.5	EA	4.000	.00	4		BS4320 FORMA
	10274M501	0021	90	WASHER INSHAKE CP M3	EA	4.000	.00	4		101-473
	1041J1001	0022	90	CAP TANT 1UF 35V	EA	1.000	.00	1		SH-1M35
	E830427FB	DWG1	90	RB POCK CELL DRIVER PWR CRD CD	EA	.000	.00	0		
	E8344900B	DWG2	90	RA ASSY CARD PC DRIVER	EA	.000	.00	0		

***** END OF BOM *****

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J.K.LASERS MANUFACTURING SYSTEM
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70 E8180170X RD ASSY EN MON & DELAY CARD

R	ITEM	DESCRIPTION	UNIT	QTY	TOTAL	MANUFACTURER	MANUF. PART #
V	PART #	NO	LV	REQ	SPARES	REQ	
	1002H2201	0020	90	CAP POLYESTER 0.22UF 100V 10%	EA	1.000	MKS4 0.22U 100V
	1041K1001	0021	90	CAP TANT 10UF 35V	EA	1.000	SH-10M35
							102-702
	1041K2200	0022	90	CAP TANT 22UF 25V	EA	2.000	SH-22M25
	1041J1001	0023	90	CAP TANT 1UF 35V	EA	1.000	SH-1M35
	1050M1501	0024	90	CAP ELECTLYTIC ALUM 150UF 16V	EA	2.000	031-35151
	1073F1011	0025	90	CAP POLYSTYRENE 1NF 250V 1%	EA	3.000	42641002
	1075E1001	0026	90	CAP POLYSTYRENE 100PF 630V 1%	EA	1.000	427-41001U
	1085H1001	0027	90	CAP POLYCARB 0.1UF 630V	EA	1.000	113-702
	1041J1001	0028	90	CAP TANT 1UF 35V	EA	1.000	SH-1M35
	151600110	0029	90	TRANS DARL 30V .3A .65W T092	EA	1.000	MPS-A14
	151800100	0030	90	TRANSISTOR NPN 45V 100MA T018	EA	2.000	BC107
	151800300	0031	90	TRANS NPN 60V 0.8A 0.8W T0-5	EA	1.000	2N2219
							2N2219
							2N2219
	141800000	0032	90	DIODE LOGIC 75V 225mA 4.0MS	EA	3.000	IN4148
	1G0B00601	0033	90	RELAY HIGH SENSITIVITY 12V 1K6	EA	1.000	P01-F012DC-B303
							170-192
	D 1312J4100	0034	90	RESISTOR 100R 0.5W CF 5%	EA	1.000	PR50-100R-5%
							132-258
	D 1052N1001	0035	90	CAP ELECTLYTIC ALUM 1000UF 40V	EA	1.000	032 17102
	E818017AC	DWG1	90	RC EN MON & DELAY CARD ASSY	EA	.000	
	E818018FC	DWG2	90	RE EN MON & RELAY CRD CCT DIAG	EA	.000	

***** END OF BOM *****

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J.K. LASERS. MANUFACTURING SYSTEM
SINGLE LEVEL BOM LISTING PAGE

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RD ASSY EN MON & DELAY CARDY
70 E8180170X

R	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY REQ	SPARES	TOTAL REQ	MANUFACTURER	MANUF. PART #
A	E8180421C	0001	90	RA CARD EN NON & DELAY	EA	1,000	.00	1		PR50-3M3-5%
	1312J8330	0002	90	RESISTOR 3M3 0.5W CF 5%	EA	1,000	.00	1		133-273
	11A000200	0003	90	IC QUAD TIMER 558	EA	1,000	.00	1		NE558N
	11CM02801	0004	90	CMOS QUAD NAND SCHMITT 4093B	EA	1,000	.00	1		MC14093BCP
	1312J3100	0005	90	RESISTOR 10R 0.5W CF 5%	EA	2,000	.00	2		PR50-10R-5%
	1312J3820	0006	90	RESISTOR 82R 0.5W CF 5%	EA	3,000	.00	3		PR50-82R-5%
	1312J4680	0007	90	RESISTOR 680R 0.5W CF 5%	EA	2,000	.00	2		PR50-680R-5%
	1312J5100	0008	90	RESISTOR 1K 0.5W CF 5%	EA	3,000	.00	3		132-450
	1312J6100	0009	90	RESISTOR 10K 0.5W CF 5%	EA	5,000	.00	5		PR50-1K-5% 132-494 PR50-10K-5% 132-731
	1312J6220	0010	90	RESISTOR 22K 0.5W CF 5%	EA	1,000	.00	1		PR50-22K-5% 132-810
	1312J6270	0011	90	RESISTOR 27K 0.5W CF 5%	EA	2,000	.00	2		PR50-27K-5% 132-832
	1312J6470	0012	90	RESISTOR 47K 0.5W CF 5%	EA	1,000	.00	1		PR50-47K-5% 132-898
	1312J7100	0013	90	RESISTOR 100K 0.5W CF 5%	EA	1,000	.00	1		PR50-100K-5% 132-977
	1312J7390	0014	90	RESISTOR 390K 0.5W CF 5%	EA	1,000	.00	1		PR50-390K-5%
	1312J8100	0015	90	RESISTOR 1M 0.5W CF 5%	EA	2,000	.00	2		PR50-1M-5% 133-217
	1312J8120	0016	90	RESISTOR 1M2 0.5W CF 5%	EA	1,000	.00	1		PR50-1M2-5%
	1312J8680	0017	90	RESISTOR 6M8 0.5W CF 5%	EA	1,000	.00	1		PR50-6M8-5% 133-318
	1312J5470	0018	90	RESISTOR 4K7 0.5W CF 5%	EA	1,000	.00	1		PR50-4K7-5% 132-652
D	1312J8100	0019	90	RESISTOR 1M 0.5W CF 5%	EA	1,000	.00	1		PR50-1M-5% 133-217

PR50-1M-52
133-217

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J.K. LASERS MANUFACTURING SYSTEM
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70 E8180360X RA DELAY THUMBWHEEL ASSY 47K

R V	PART #	ITEM NO	LV	DESCRIPTION	UNIT	QTY		TOTAL	MANUFACTURER	MANUF. PART #
						REQ	SPARES	REQ		
		19G100201	90	SWITCH MIN THUMBWHEEL, DEC, +PCB	EA	1,000	.00	1	OC32 CONTRAVES	UB-010-LS
		1322F6470	0002	90 RESISTOR 47K 0.4W MF 1%	EA	9,000	.00	9	QM22 MULLARD	MR25-47K
									OR02 R.S. COMPONENTS	148-893
		E818040AB	DWG1	90 RA DELAY THUMBWHEEL ASSY	EA	.000	.00	0		
		A E818039FB	DWG2	90 RA DELAY THUMBWHEEL ASSY C/D	EA	.000	.00	0		

***** END OF BOM *****

