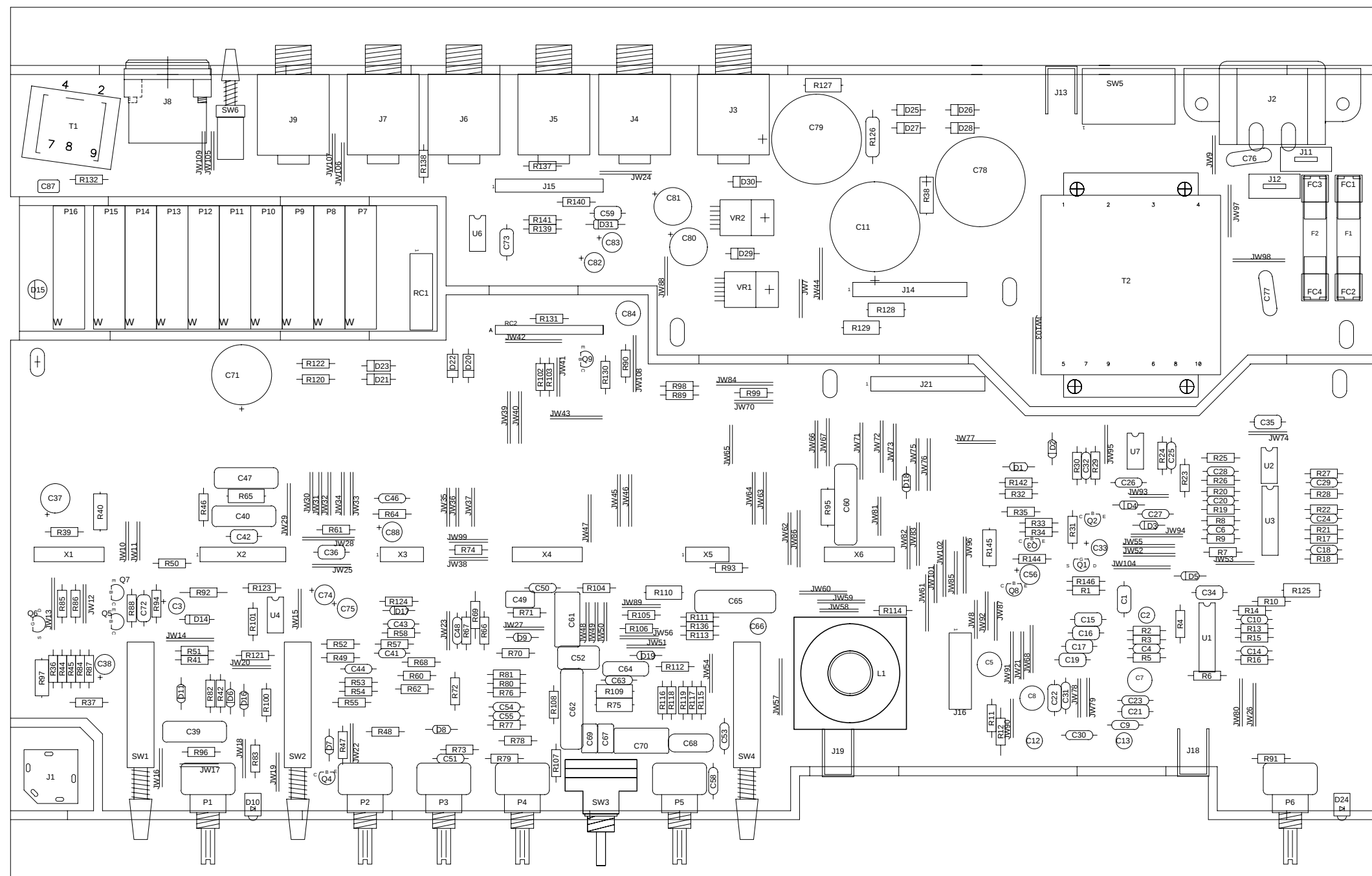




COMPONENTS TO BE GOOPED ARE C2,C3,C5,C7,C8,C11,C12,C13,
C33,C37,C38,C52,C56,C60,C61,C62,C64,C65,C66,C67,C68,C69,C70,
C71,C74,C75,C78,C79,C80,C81,C82,C83,C84,C87,C88,

NOTES:
1. GOOP IN ACCORDANCE WITH PRODUCTION S.O.P.

CAUTION:
THIS ASSEMBLY DRAWING IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.
TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

0	CONTROL ISSUE				
A	INITIAL ISSUE				
REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC					
Signatures:		Date:	 11880 Borman Drive, St. Louis, MO 63146		
Drawn: RLB		3-24-99			
Checked: GM		4-19-99			
Released:					
Plot Date: Wed Jan 17, 2001		Drawing Size: C		Drawing Title:	
Plot Time: 09:48:44		Drawing Type: ASSEMBLY		PRINTED WIRING ASSY	
Tolerance:		Class Code: NONE		Drawing Number:	
		Sheet 1 of 1		07-100-XX	

0 A	1/29/99	CONTROL ISSIE INITIAL ISSUE				
Rev.	Date	DESC.	ECR(s)/ECN(s)	Chgd by	Appvd by	DATE
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO						
ST. LOUIS MUSIC, INC.						
			SLM Electronics 11880 Borman Drive, St. Louis, MO 63141			
Signatures:		Date:				
Drawn: RLB		4/26/99				
Checked:			First Used On:	SVTPPRO		
Released:						
Tolerance:	Drawing Size:	A	Drawing Title:	PREAMP PW ASSY		
	Drawing Type:	PL				
	Class Code:		Drawing No.:	07-100-PL		
	Scale:	N/A				

ASSEMBLY PART #

07-100-01

REVISION 0

ITEM	QTY	REFDES	P/N	DESC
1	2	F1	23-313-05	1/8 AMP 3AG SB FUSE
		F2		
2	1	PWB1	06-100-01	PWB, SVTPPRO PREAMP
3	1	PWB2	07-524-61	PCB ASSY, TUBE
4	3	C39	10-104-10	.1UF 400V [10% TOL] WIMA MTLPOLY
		C40		
		C47		
5	1	C52	10-104-21	.1UF 250V [10% TOL]
6	1	C64	10-223-10	.022 UF 400V [10% TOL] WIMA MTLPOLY
7	2	C76	10-332-01	.0033 UF [20% TOL] ULVDE DISK
		C77		
8	3	C60	10-684-21	.68UF 250V [10% TOL]
		C62		
		C65		
9	2	C4	10A101-21	100 PF 200V 10% NPO
		C32		
10	3	C51	10A102-11	.001 uF 100V 10% X7R
		C54		
		C63		
11	3	C18	10A103-11	.01 uF 100V 10% X7R
		C23		
		C55		
12	5	C1	10A104-01	.1 uF 50V 10% X7R
		C16		
		C17		
		C22		
		C42		
13	1	C25	10A152-11	.0015 uF 100V 10% X7R
14	2	C14	10A153-01	.015 uF 50V 10% X7R
		C27		
15	2	C41	10A221-11	220 pF 100V 10% NPO
		C50		
16	1	C46	10A223-01	.022 uF 50V 10% X7R
17	1	C15	10A224-01	.22 uF 50V 10% X7R
18	1	C29	10A331-11	330 pF 100V 10% NPO
19	2	C24	10A332-01	.0033 uF 100V 10% X7R
		C30		
20	2	C10	10A333-01	.033 uF 50V 10% X7R
		C26		
21	2	C43	10A471-21	470 pF 200V 10% NPO
		C53		
22	6	C9	10A472-11	.0047 uF 100V 10% X7R
		C20		
		C31		
		C44		
		C48		
		C58		
23	8	C19	10A473-11	.047 uF 100V 10% X7R
		C21		

ASSEMBLY PART #

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REVISION 0

ITEM	QTY	REFDES	P/N	DESC
		C34		
		C35		
		C36		
		C59		
		C72		
		C73		
24	1	C6	10A560-21	56 pF 200V 5% NPO
25	1	C28	10A681-11	680 pF 100V 10% NPO
26	1	C68	10F154-02	.15 uF 100V 10%
27	2	C61	10F224-03	.22 uF 100V RAD POLY 10% FORMED
		C70		
28	1	C87	10R222-02	.0022 uF 100V 10% RAD POLY
29	3	C49	10R333-02	.033 uF 100V 10% RAD POLY
		C67		
		C69		
30	1	C37	12-106-95	10 uF 450V 20% EL
31	3	C11	12-107-94	100 uF 350V 20% EL
		C78		
		C79		
32	1	C71	12-478-11	4700 uF 10V 20% EL
33	2	C3	12R105-50	1 uF 50V 20% EL
		C33		
34	3	C2	12R105-51	1 uF 50V 20% EL NP
		C13		
		C66		
35	6	C56	12R106-35	10 uF 35V 20% EL
		C74		
		C75		
		C82		
		C83		
		C88		
36	4	C5	12R106-36	10 uF 35V 20% EL NP
		C7		
		C8		
		C84		
37	1	C12	12R225-51	2.2 uF 50V 20% EL NP
38	1	C38	12R226-50	22 uF 50V 20% EL
39	2	C80	12R477-35	470 uF 35V 20% EL
		C81		
40	1	J16	17-101-16	16 PIN HEADER .1 SPCNG DUAL
41	2	J14	17-310-08	.156" ST POL MFSS156-8-D HEADER
		J21		
42	1	J15	17-314-12	.1" ST 12 PIN SOCKET STRIP
43	1	J2	17-604-01	LINE CONNECT CLIFF MS1PC-B PC MNT
44	2	J11	17-894-01	.187 PC TAB STBL LOC 6024-6
		J12		
45	1	D10	21-501-01	RED LED ASSY, HI EFF.
46	1	D24	21-502-01	GREEN LED ASSY HI-EFF
47	1	D15	21-511-02	YEL LED W/ .3 SPACER
48	2	D14	21A146-01	3.3V .4W ZENER 28 ohm Zz

ASSEMBLY PART #

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ITEM	QTY	REFDES	P/N	DESC
		D31		
49	10	D20	21A407-01	1KV PIV 1A .5W
		D21		
		D22		
		D23		
		D25		
		D26		
		D27		
		D28		
		D29		
		D30		
50	14	D1	21A914-01	75V PIV 10mA/1V .5W
		D2		
		D3		
		D4		
		D5		
		D6		
		D7		
		D8		
		D9		
		D11		
		D16		
		D17		
		D18		
		D19		
51	4	FC1	23-926-02	Universal Fuse Clip
		FC2		
		FC3		
		FC4		
52	2	SCREW1	30-440-52	4-40 X 3/8 PPH MS SEM
		SCREW2		
53	2	NUT1	30-442-52	4-40 A.F. HEXKEPS ASSY
		NUT2		
54	2	SCREW3	30-638-53	6-32X3/8 PPH MS SEMS
		SCREW4		
55	2	NUT3	30-700-01	6-32 HEX KEPNUT ASSY
		NUT4		
56	2	U4	37-072-01	TLO-72CP DUAL OP-AMP
		U6		
57	2	U1	37-260-01	NJM2060D QUAD OP AMP
		U3		
58	2	U2	37-275-01	OP275GP DUAL OP IC
		U7		
59	1	VR1	37-708-01	MC78M08CT +8V 1A REGULATOR
60	1	VR2	37-908-01	MC7908CT -8V 1A REGULATOR
61	1	J1	39-114-05	VERT TRS JACK W/SHUNTS L.S. LCKWSH
62	5	J4	39-116-01	T/S JACK HORIZ
		J5		
		J6		
		J7		

ASSEMBLY PART #

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REVISION 0

ITEM	QTY	REFDES	P/N	DESC
		J9		
63	1	J3	39-117-01	TRS JACK HORIZ
64	1	J8	39-321-01	BELTON MALE HORIZ XLR
65	3	J13	51-149-01	PC MOUNT GROUND BRACK
		J18		
		J19		
66	1	P6	70-103-22	10K AUDIO 15%@50% (10% TOL)
67	10	P7	70-104-21	100K LINEAR 20MM SLIDER
		P8		
		P9		
		P10		
		P11		
		P12		
		P13		
		P14		
		P15		
		P16		
68	2	P3	70-105-22	1M LOG 15%@50% (10% TOL)
		P5		
69	1	P4	70-133-01	50K LINEAR 30%@50% (10% TOL)
70	2	P1	70-254-22	250K AUDIO 5%@50% [10% TOL]
		P2		
71	101	JW7	76-000-05	22 GA TINNED COPPER
		JW8		
		JW9		
		JW10		
		JW11		
		JW12		
		JW13		
		JW14		
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ITEM	QTY	REFDES	P/N	DESC
		JW35		
		JW36		
		JW37		
		JW38		
		JW39		
		JW40		
		JW41		
		JW42		
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		JW83		
		JW84		
		JW85		

ASSEMBLY PART #

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REVISION 0

ITEM	QTY	REFDES	P/N	DESC
		JW86		
		JW87		
		JW88		
		JW89		
		JW90		
		JW91		
		JW92		
		JW93		
		JW94		
		JW95		
		JW96		
		JW97		
		JW98		
		JW99		
		JW101		
		JW102		
		JW103		
		JW104		
		JW105		
		JW106		
		JW107		
		JW108		
		JW109		
72	1	R111	76-102-01	1K OHM .25W 5% RESISTOR
73	6	R7	76-103-01	10K OHM .25W 5% RESISTOR
		R10		
		R35		
		R106		
		R130		
		R144		
74	14	R12	76-104-01	100K OHM .25W 5% RESISTOR
		R32		
		R44		
		R51		
		R60		
		R64		
		R69		
		R73		
		R78		
		R85		
		R88		
		R94		
		R104		
		R131		
75	11	R42	76-105-01	1M OHM .25W 5% RESISTOR
		R48		
		R66		
		R67		
		R81		
		R82		

ASSEMBLY PART #

07-100-01

REVISION 0

ITEM	QTY	REFDES	P/N	DESC
		R86		
		R99		
		R112		
		R114		
		R137		
76	2	R83	76-152-01	1.5K OHM .25W 5% RESISTOR
		R107		
77	3	R8	76-153-01	15K OHM .25W 5% RESISTOR
		R34		
		R72		
78	1	R70	76-154-01	150K OHM .25W 5% RESISTOR
79	2	R139	76-182-01	1.8K OHM .25W 5% RESISTOR
		R141		
80	3	R103	76-221-01	220 OHM .25W 5% RESISTOR
		R120		
		R122		
81	3	R102	76-222-01	2.2K OHM .25W 5% RESISTOR
		R108		
		R138		
82	9	R4	76-223-01	22K OHM .25W 5% RESISTOR
		R5		
		R77		
		R89		
		R91		
		R92		
		R96		
		R136		
		R140		
83	18	R13	76-224-01	220K OHM .25W 5% RESISTOR
		R15		
		R17		
		R19		
		R21		
		R23		
		R25		
		R27		
		R29		
		R53		
		R54		
		R55		
		R68		
		R71		
		R76		
		R79		
		R90		
		R100		
84	9	R14	76-272-01	2.7K OHM .25W 5% RESISTOR
		R16		
		R18		
		R20		

ITEM	QTY	REFDES	P/N	DESC
		R22		
		R24		
		R26		
		R28		
		R30		
85	2	R11	76-332-01	3.3K OHM .25W 5% RESISTOR
		R45		
86	1	R142	76-333-01	33K OHM .25W 5% RESISTOR
87	1	R62	76-334-01	330K OHM .25W 5% RESISTOR
88	4	R52	76-335-01	3.3M OHM .25W 5% RESISTOR
		R57		
		R58		
		R146		
89	1	R61	76-392-01	3.9K OHM .25W 5% RESISTOR
90	2	R123	76-471-01	470 OHM .25W 5% RESISTOR
		R124		
91	7	R6	76-472-01	4.7K OHM .25W 5% RESISTOR
		R39		
		R50		
		R74		
		R93		
		R101		
		R121		
92	5	R9	76-473-01	47K OHM .25W 5% RESISTOR
		R31		
		R33		
		R49		
		R87		
93	2	R36	76-473-02	47.5K OHM .25W 1% RESISTOR
		R37		
94	7	R46	76-474-01	470K OHM .25W 5% RESISTOR
		R84		
		R115		
		R116		
		R117		
		R118		
		R119		
95	1	R105	76-561-01	560 OHM .25W 5% RESISTOR
96	3	R1	76-682-01	6.8K OHM .25W 5% RESISTOR
		R2		
		R132		
97	6	R3	76-683-01	68K OHM .25W 5% RESISTOR
		R41		
		R47		
		R80		
		R98		
		R113		
98	4	R38	77-102-01	1K OHM .5W 5% RESISTOR
		R125		
		R127		

ITEM	QTY	REFDES	P/N	DESC
		R145		
99	2	R75	77-154-02	150K OHM .5W 1% RESISTOR
		R95		
100	2	R128	77-221-01	220 OHM .5W 5% RESISTOR
		R129		
101	2	R40	77-224-02	221K OHM .5W 1% RESISTOR
		R65		
102	1	R97	77-335-01	3.32M OHM .5W 1% RESISTOR
103	1	R109	77-683-01	68K OHM .5W 5% RESISTOR
104	1	R110	77-823-01	82K OHM .5W 5% RESISTOR
105	1	R126	78-224-01	220K 1W 5% MOX OR CF BULK
106	1	BR1	81-114-11	SILICON PAD W/ADHESIVE 8X5/8X1/4THK
107	1	SW3	88-108-01	5PST ROTARY RA PC MT
108	1	SW5	88-214-01	DPDT LINE 115/230V R/A PCMNT SW
109	1	SW6	88-302-01	MINI PCB DPDT W/1D951 GREY
110	3	SW1	88-303-02	LTB 2UEE/4UEE NO CAP/ECG DUAL DPDT
		SW2		
		SW4		
111	1	T1	94-025-01	PC MT OUTPUT XFMR 4:1
112	1	T2	94-027-31	12 VA PC MT XFMR
113	1	L1	94-602-32	PC MT TAPPED INDUCTOR
114	1	Q4	96R013-01	MPSA13 NPN 30V 1.5W .5A DARLINGTON
115	2	Q1	96R175-01	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON
		Q6		
116	6	Q2	96R510-01	2N5210 NPN 50V 1.5W 50mA
		Q3		
		Q5		
		Q7		
		Q8		
		Q9		
117	1	W1	97-168-32	3.5 RED STRIP WIRE
118	1	W2	97-168-38	3.5 WHITE STRIP WIRE
119	1	W3	97-168-39	3.5 BLUE STRIP WIRE
120	1	RC2	99-124-02	12 PIN 3 FLAT CABLE
121	1	RC1	99-135-11	3.6 16PIN FLTCBLE ASY