

SI

SI - SI1000 - SI1200 -SI2000

SI TDcontroller

Service Manual

I. SI CABINETS REFERENCE GUIDE

I.1. CABINETS SPARE PARTS

I.1.a. SI parts list

GROUP	PART DESIGNATION		PART NAME Ver J Dates : Serial N.	PART NAME Ver R. Dates : Serial N.
Transducers	HF	Driver	HPA1008	HPA6818 [a]
		Horn	PAVHM	PAVHM
		Spare diaphragm	HPAD16 [a]	HPARK
	MF	Loudspeaker (x 2)	SI HPM	SI HPM
		Horn	PAVBM	PAVBM
	LF	Loudspeaker	SI HPB	SI HPB
		Recone kit	SI HPBK	SI HPBK
Passive crossover	Complete filter		FSI	FSI
	Spare parts		see separate parts list	see separate parts list
Required controller	Complete unit		SIMKIP	SIMKIP
	Spare parts		see separate parts list	see separate parts list
Miscellaneous	Front foam			
	Flying rail (short)(x 3)		FLYRAIL3	FLYRAIL3
	Flying rail (long)		FLYRAIL6	FLYRAIL6
	Rings for Flying rail			
	Ferrofluid for HF driver			
	Rolling tray w. brakes		SI.PRF	SI.PRF
	Rolling tray w/o brakes		SI.PRSF	SI.PRSF

[a] The original HF diaphragms of Version J (ref HPAJK) are no longer available ; replacement with the HPAD16 part - equivalent to JBL D16R2425 - may not achieve 100% of the initial performance. For improved performance and total compatibility with other SI systems it is recommended to upgrade the HF section into Vers R.

I.1.b. SI 1000 - SI1200 parts list

GROUP	PART DESIGNATION		PART NAME SI 1000 Dates : Serial N.	PART NAME SI 1200 Dates : Serial N.
Transducers	HF	Driver Horn Spare diaphragm & Ferrofluid	HPA6818 PAVHM HPARK	HPA6818 PAVHM HPARK
	MF	Loudspeaker (x 2) Horn	SI.HPM PAVBM	SI.HPM PAVBM
	LF	Loudspeaker (x2) Recone kit	SI.HPB SI.HPBK	SI.HPB12 SI.HPB12K
Passive crossover	Complete filter Spare parts		FSI 1000 see separate parts list	FSI 1000 see separate parts list
Required controller	Complete unit Spare parts		SI TDcontroller see separate parts list	SI TDcontroller see separate parts list
Miscellaneous	Front foam Flying rail (short)(x 3) Flying rail (long) Rings for Flying rail Ferrofluid for HF driver Rolling tray w. brakes Rolling tray w/o brakes		FLYRAIL3 FLYRAIL6 SI.PRF SI.PRSF	FLYRAIL3 FLYRAIL6 SI.PRF SI.PRSF

I.1.c. SI 2000 part list

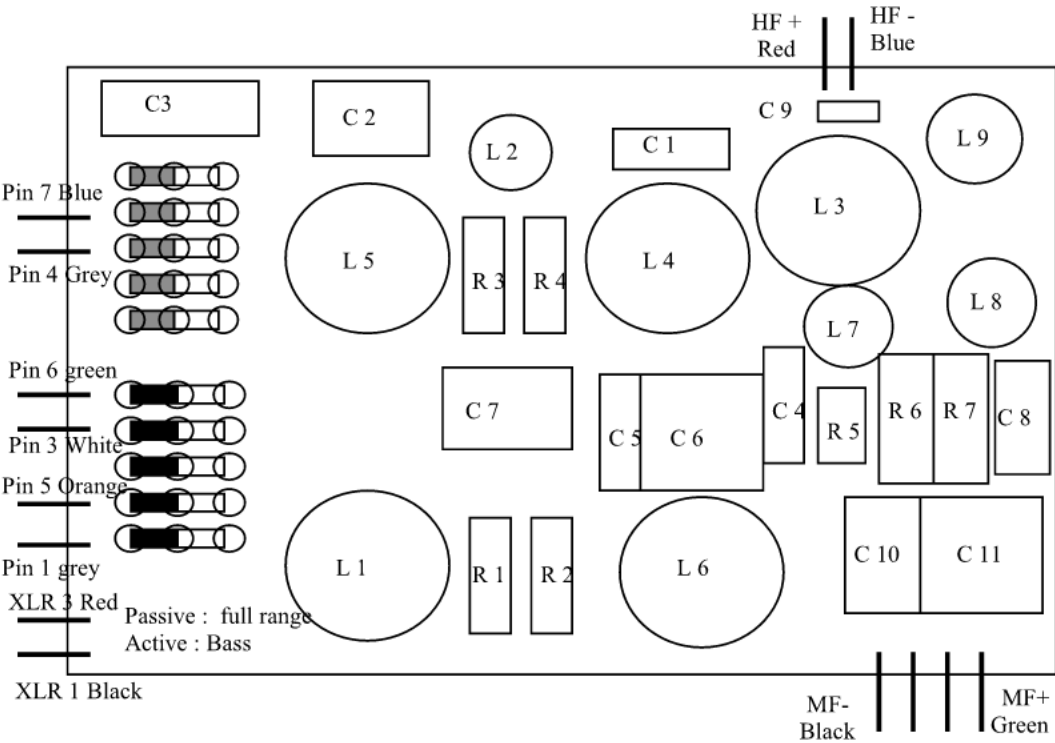
GROUP	PART DESIGNATION		PART NAME Dates : Serial N.
Transducers	HF	Driver Horn Spare diaphragm & Ferrofluid	HPA6818 PAVHM HPARK
	MF	Loudspeaker(x 2) & Heat sink Horn	SI.HPM2 PAVBM
	LF	Loudspeaker Recone kit	SI.HPB2000 SI HPB2000K
Passive crossover	Complete filter Spare parts		FSI 2000 see separate parts list
Required controller	Complete unit Spare parts		SI TDcontroller see separate parts list
Miscellaneous	Front foam Flying rail (short)(x 3) Flying rail (long) Rings for Flying rail Ferrofluid for HF driver Rolling tray w. brakes Rolling tray w/o brakes		FLYRAIL3 FLYRAIL6 SI.PRF SI.PRSF

I.2. PASSIVE NETWORKS

I.2.a. SI Passive network. Parts list

REFERENCE	VALUE	RATING
R1	2.7Ω	25 W type RWS
R2	2.7Ω	25 W type RWS
R3	30Ω	25 W type RWS
R4	30Ω	25 W type RWS
R5	15Ω	
R6	33Ω	
L1	3.9mH	
L2	0.33mH	
L3	1.3mH	
L4	0.8mH	
L5	0.8mH	
L6	2.4mH	
L7	0.15mH	
L8	0.22mH	
L9	0.22mH	
C1	6μF	polypro 100 V
C2	25μF	polypro 100 V
C3	6μF	polypro 100 V
C4	7μF	polypro 100 V
C5	10μF	polypro 100 V
C6	50μF	polypro 100 V
C7	25μF	polypro 100 V
C8	4μF	polypro 100 V
C9	1.5μF	polypro 100 V
C10	25μF	polypro 100 V
C11	50μF	polypro 100 V

I.2.b. SI Passive network. Component layout



I.2.c. SI Passive network. Schematics

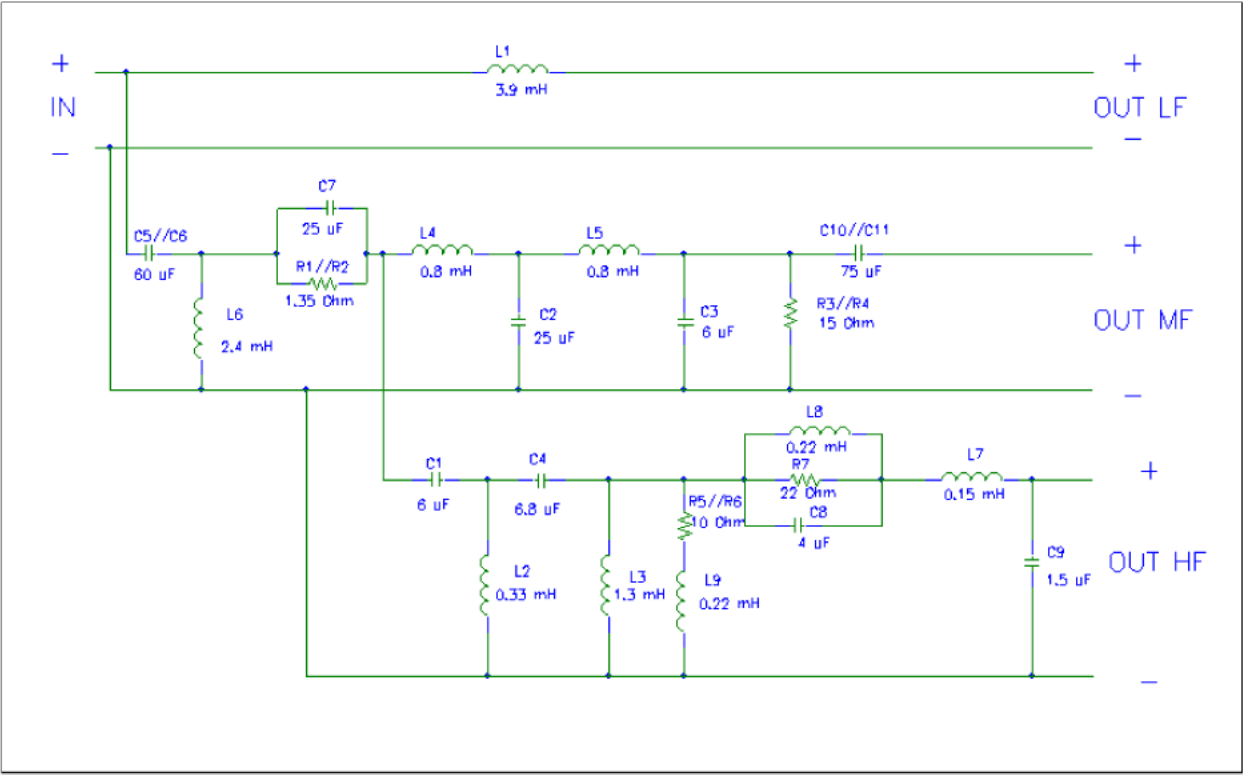


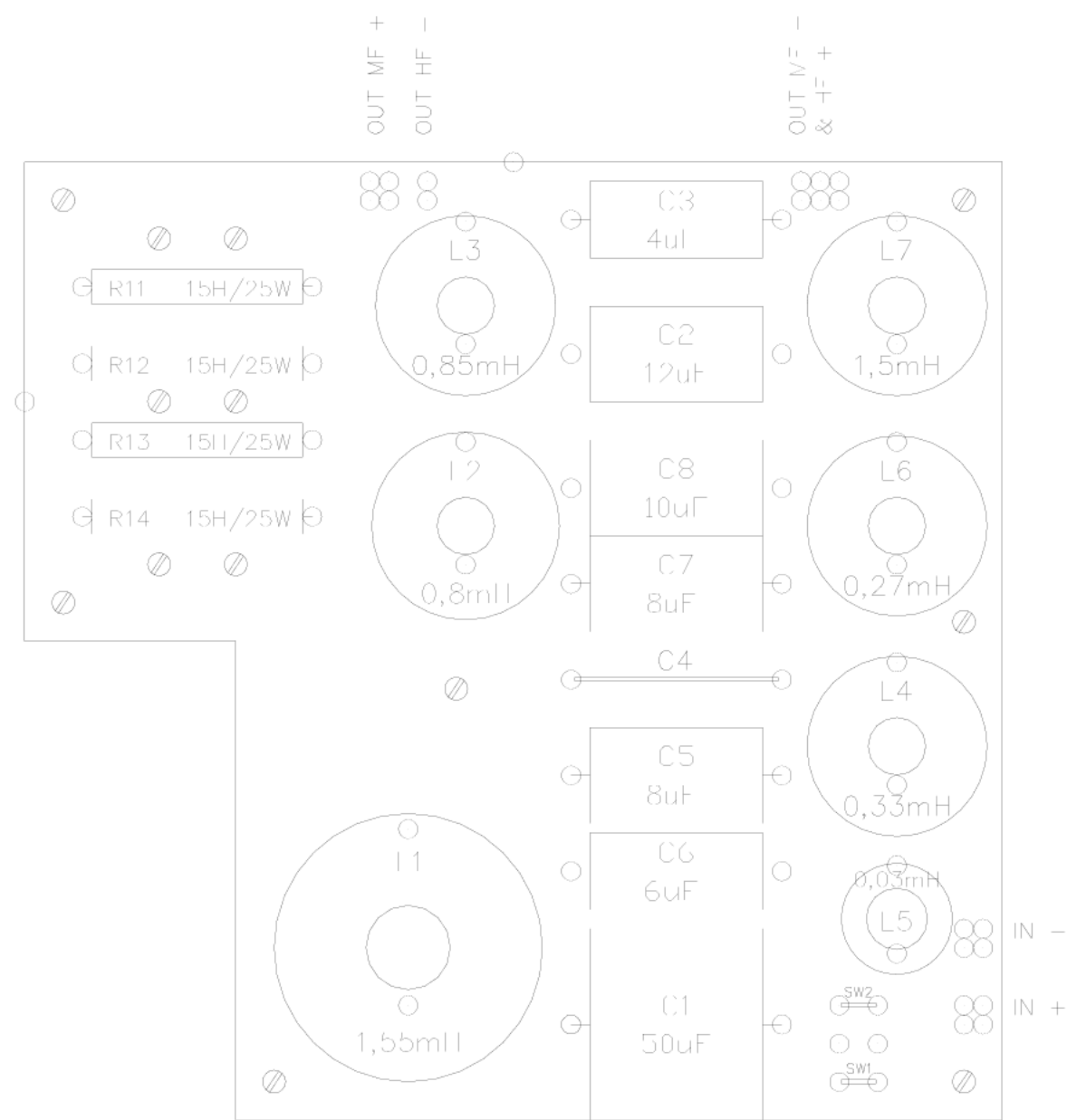
Figure 1 : SI passive cross-over

I.2.d. SI 1000 & SI 1200 Passive network. Parts list

REFERENCE	VALUE	RATING
R11	15Ω	25 W type RWS
R12	15Ω	25 W type RWS
R13	15Ω	25 W type RWS
R14	15Ω	25 W type RWS
L1	1.55mH	380 g /φ70 h=30 (r=0.45Ω)
L2	0.8mH	300 g /φ49 h=35
L3	0.85mH	100 g /φ47 h=19
L4	0.33mH	100 g /φ47 h=19
L5	0.03mH	30 g /φ29 h=14
L6	0.27mH	100 g /φ47 h=19
L7	1.50mH	100 g /φ47 h=19
C1	50μF	polypro 100 V
C2	12μF	polypro 100 V
C3	4μF	polypro 100 V
C4	0 Ω	polypro 100 V
C5	8μF	polypro 100 V
C6	6μF	polypro 100 V
C7	8μF	polypro 100 V
C8	10μF	polypro 100 V

date : 22/06/89

I.2.e. SI 1000 & SI 1200 Passive network. Component layout



I.2.f. SI 1000 Passive network. Schematic

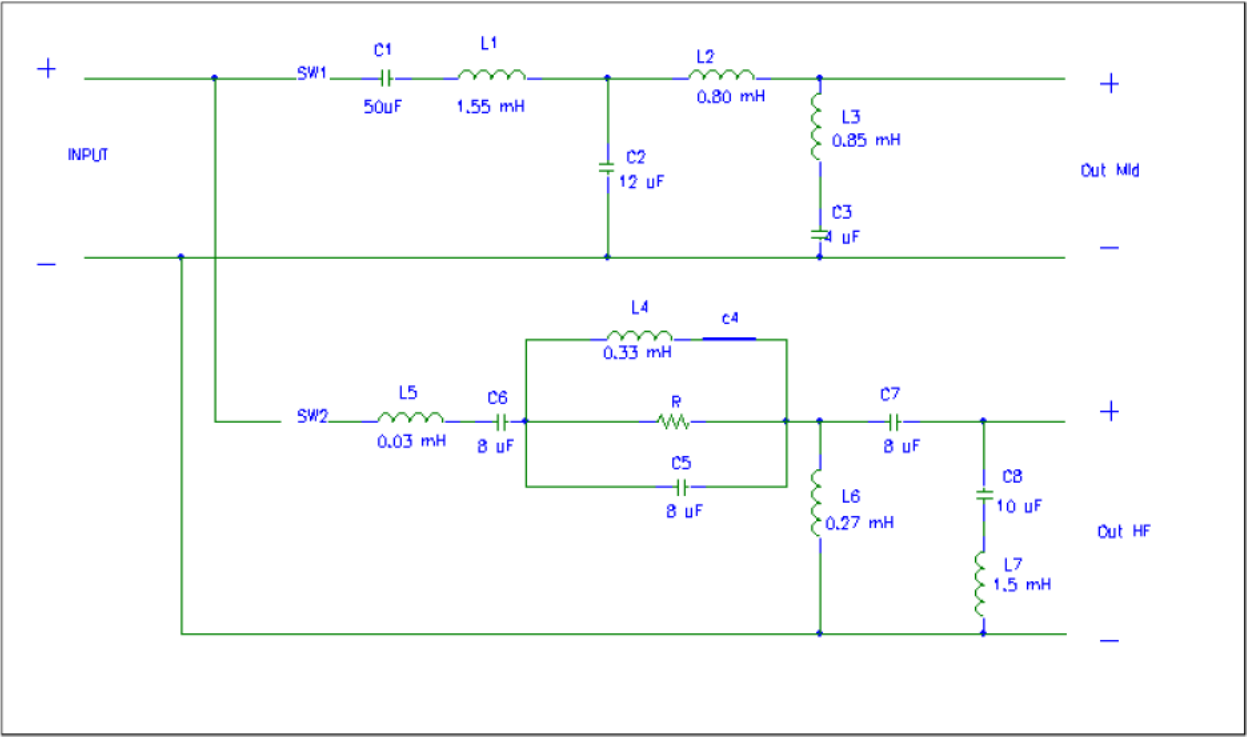
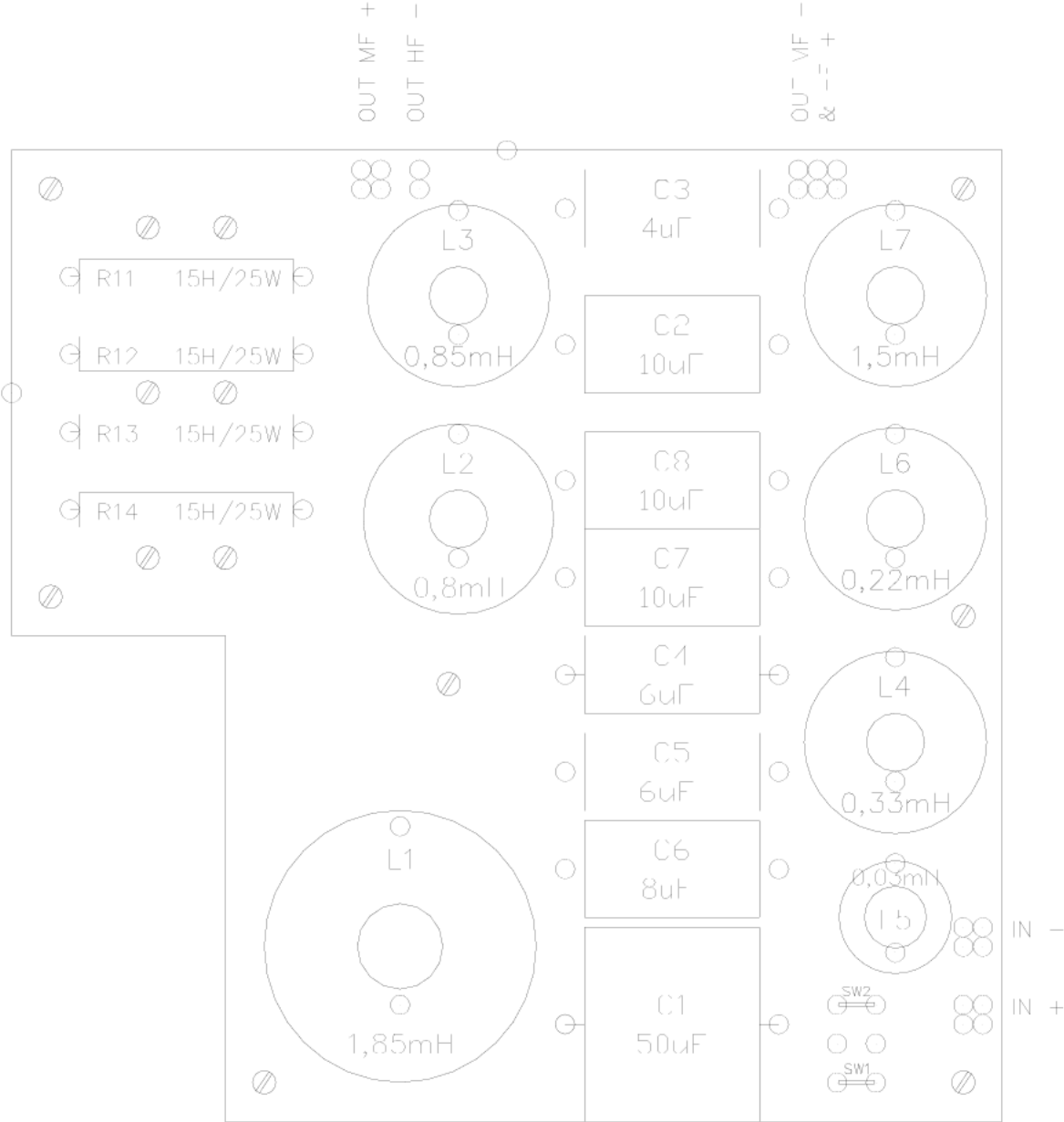


Figure 2 : SI 1000 Passive cross-over

I.2.g. SI 2000 Passive network. Parts list

REFERENCE	VALUE	RATING
R11	15Ω	25 W type RWS
R12	15Ω	25 W type RWS
R13	15Ω	25 W type RWS
R14	15Ω	25 W type RWS
L1	1.85mH	450 g /φ70 h=30
L2	0.8mH	300 g /φ49 h=35
L3	0.85mH	100 g /φ47 h=19
L4	0.33mH	100 g /φ47 h=19
L5	0.03mH	30 g /φ29 h=14
L6	0.22mH	100 g /φ47 h=19
L7	1.50mH	100 g /φ47 h=19
C1	50μF	polypro 100 V
C2	10μF	polypro 100 V
C3	4μF	polypro 100 V
C4	6μF	polypro 100 V
C5	6μF	polypro 100 V
C6	8μF	polypro 100 V
C7	10μF	polypro 100 V
C8	10μF	polypro 100 V

I.2.h. SI 2000 Passive network. Component layout



I.2.i. SI 2000 Passive network. Schematic

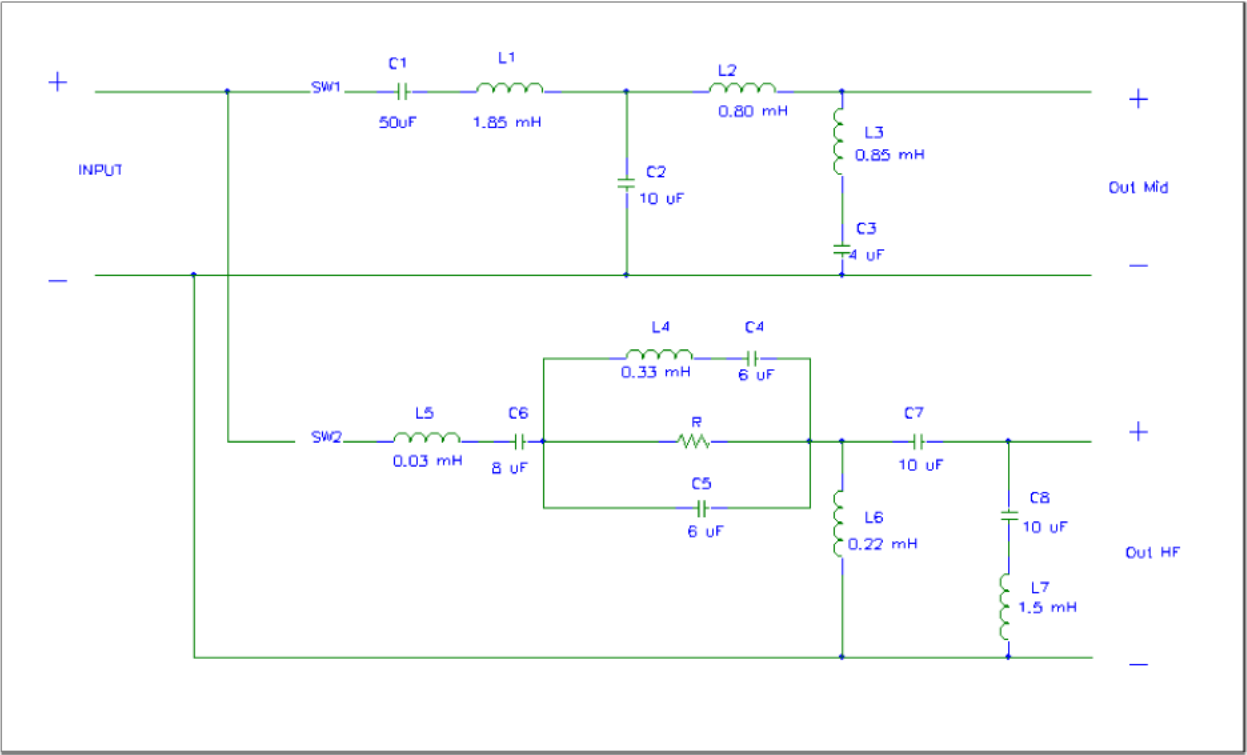


Figure 3 : SI 2000 Passive Cross over

II. SERVICE INSTRUCTIONS

II.1. Connectors

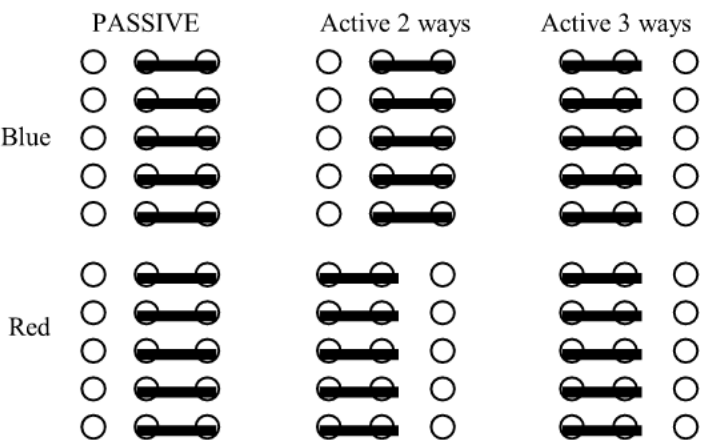


Figure 5 : Switch configuration for active/passive use

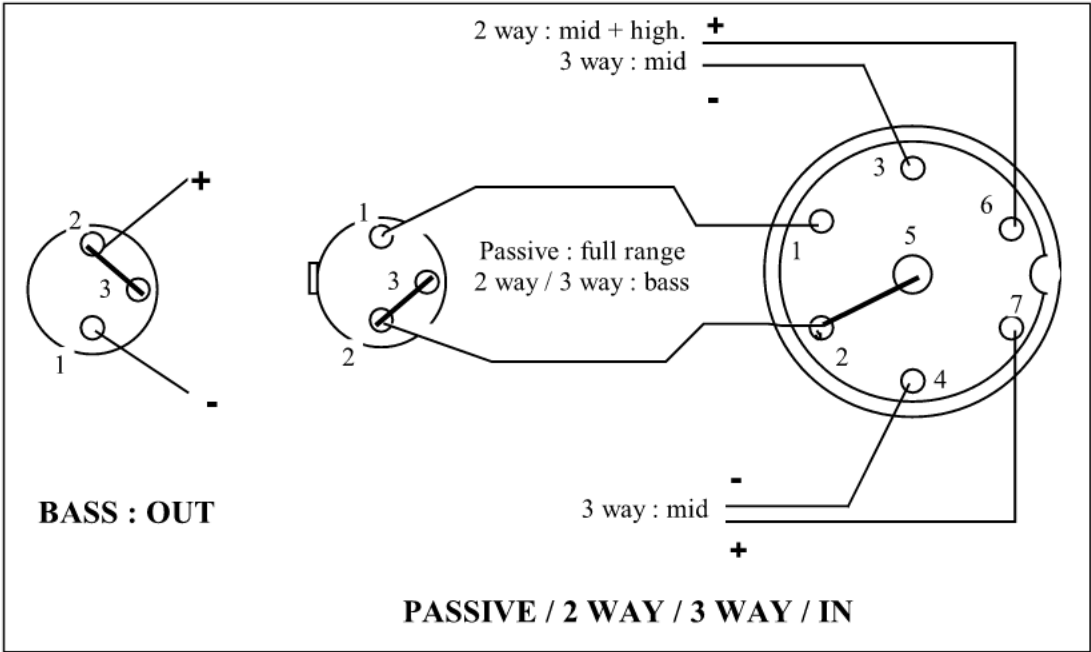


Figure 4 : Wiring diagram of SOCAPEX connector

II.2. Using JBL D16R2425 Diaphragm in SI ver J (instead of HPA 1008)

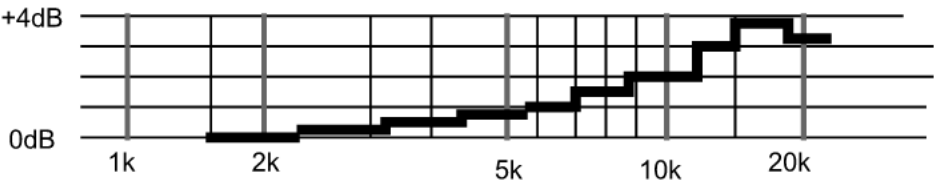
To avoid to upgrade of some old cabinets, JBL Diaphragm D16R2425 can be use in early version of SI, MSI and PC in replacement of the original diaphragm, with the following restrictions.

II.2.a. Mechanical, electrical and acoustical compatibility

JBL D16R2425 diaphragms are mechanically compatible with HPA 1008 (SI & MSI) & HPA 1048 (PC) diaphragms.

Electrical impedance is nearly the same and has only a slight influence (between 0 and +1 dB) on the passive crossover. **However a polarity inversion must be made.** (See below).

The acoustical response curve is quite close to the original one with a progressive loss of high frequencies reaching 3 or 4 dB at the higher frequencies. Here is the typical correction which should be made on a 1/3 octave equalizer (constant Q).



II.2.b. Mounting and using JBL Diaphragms

Positioning the diaphragm is not different with the JBL one, you could have to press a little more in order to achieve a good contact at the joint face.

POLARITY INVERSION : connect the black terminal on the cover with the red wire on the diaphragm.

A final check for proper sound quality can be done by applying a 2 V rms. sine wave swept from 1 kHz to 15 kHz. (NB : this assumes that the driver is connected to the horn). If distortion is too important (usually near 1k or 2k), control the tightening of the screws, and eventually reverse the position of the diaphragm in the gap. If it is not sufficient, use spacing washers (0.2mm) under the diaphragm ring (around the screws holes). Doing so will induce another loss in the high frequencies (above 7k, 1dB at 10k, max 2.5dB at 14k)

III. SI TDcontroller REFERENCE GUIDE

For schematics and part list of the ealier version of SI controller - SIMK1P - please contact NEXO factory.

III.1. SI TDcontroller Parts list. Main card. V4a

SI TDcontroller. Main card. V4a					
REFERENCE		TYPE	VALEUR	TOL	RATING
Left & both	Right				
CN M1		MOLEX 10-45-1081			
CN M2		MOLEX 10-45-1081			

SI TDcontroller. Main card. V4a					
REFERENCE	TYPE		VALEUR	TOL	RATING
Left & both	Right				
CN M3		MOLEX 10-45-1081			
CN M4		MOLEX 10-45-1081			
C1		Electrolytic	2200µF		25V
C7		Electrolytic	100µF		25V
C101	C1101	Ceramic	680pF	10%	
C102	C1102	Ceramic	680pF	10%	
C103	C1103	Ceramic	33pF	10%	
C104	C1104	Ceramic	33pF	10%	
C11		Film	100nF	5%	63V
C12		Film	100nF	5%	63V
C13		Electrolytic	100µF		25V
C14		Film	100nF	5%	63V
C15		Film	100nF	5%	63V
C16		Electrolytic	100µF		25V
C8		Film	100nF	5%	
C6		Film	100nF	5%	
C201	C1201	Film	220nF	5%	
C202	C1202	Film	220nF	5%	
C203	C1203	Film	3.3nF	5%	
C204	C1204	Ceramic	220pF	5%	
C21		Electrolytic	470µF		25V
C213	C1213		NC		
C301	C1301	Ceramic	150pF	10%	
C311	C1311	Film	220nF	5%	
C312	C1312	Film	220nF	5%	
C321	C1321	Film	100nF	5%	
C322	C1322	Film	33nF	5%	
C331	C1331	Film	10nF	5%	
C332	C1332	Film	10nF	5%	
C341	C1341		NC		
C342	C1342		NC		
C352	C1352		NC		
C22		Electrolytic	10µF		25V
C401	C1401	Ceramic	100pF	10%	
C402	C1402	Film	1nF	10%	
C403	C1403	Film	2.2nF	5%	
C404	C1404	Ceramic	100pF	10%	
C406	C1406	Film	330nF	5%	
C23		Electrolytic	100µF		25V

SI TDcontroller. Main card. V4a					
REFERENCE		TYPE	VALEUR	TOL	RATING
Left & both	Right				
C501	C1501	Film	100nF	5%	
C502	C1502		NC	5%	
C503	C1503	Film	100nF	5%	
C504	C1504	Film	100nF	5%	
C505	C1505	Film	22nF	5%	
C506	C1506	Film	10nF	5%	
C511	C1511	Film	470nF	5%	
C512	C1512	Film	470nF	5%	
C513	C1513		NC		
C520	C1520	Electrolytic	100µF		25V
C521	C1521	Electrolytic	100µF		25V
C3		Electrolytic	100µF		25V
C601	C1601	Film	100nF	5%	
C602	C1602	Film	100nF	5%	
C603	C1603	Film	68nF	5%	
C604	C1604	Film	68nF	5%	
C611	C1611	Film	1.5nF	5%	
C612	C1612	Film	1nF	5%	
C620	C1620	Electrolytic	100µF		25V
C621	C1621	Electrolytic	100µF		25V
C4		Film	100nF	5%	
C701	C1701	Film	10nF	5%	
C711	C1711	Film	10nF	5%	
C721	C1721	Film	10nF	5%	
C731	C1731	Film	10nF	5%	
C741	C1741	Film	10nF	5%	
C751	C1751	Film	10nF	5%	
C761	C1761	Film	10nF	5%	
C771	C1771	Film	10nF	5%	
C5		Electrolytic	2200µF		25V
C801			NC		
C811			NC		
C2		Film	100nF	5%	
D1	Bridge W04G				1.5A/400V
D21		1N4001			
D22		1N4001			
D23		1N4001			
D24		1N4001			
D25		ZENER 5,1V			

SI TDcontroller. Main card. V4a					
REFERENCE	TYPE		VALEUR	TOL	RATING
Left & both	Right				
D26		1N4001			
D201	D1201	1N4148			
D401	D1401	1N4148			
D402	D1402	1N4148			
D601	D1601	1N4148			
D602	D1602	1N4148			
FUSE 1			0.25A		250V
IC101	IC1101	TL074			
IC301	IC1301	TL074			
IC401	IC1401	TL074			
IC501	IC1501	TL074			
IC503	IC1503	NE5532			
IC601	IC1601	TL074			
IC603	IC1603	NE5532			
IC701	IC1701	TL074			
IC702	IC1702	TL074			
IC801		TL074			
LED1		5mm rouge			
LED2		5mm verte			
P401	P1401		10KA	10%	
P402	P1402		10KA	10%	
P511	P1511		10KA	10%	
P611	P1611		10KA	10%	
REG1		uA7815			
REG2		uA7915			
REG3		uA78L12			
REG4		uA79L12			
REG5		uA7812			
RV501	RV1501	Trim TYP T10FH	2.2KΩ	20%	
RV601	RV1601	Trim TYP T10FH	2.2KΩ	20%	
RY 1	RY 11	G5V-2 12v			
RY 2	RY 21	G5V-2 12v			
R21			1KΩ	1%	
R101	R1101		681Ω	1%	
R102	R1102		681Ω	1%	
R103	R1103		18.2KΩ	1%	
R104	R1104		18.2KΩ	1%	
R105	R1105		18.2KΩ	1%	
R106	R1106		17.8KΩ	1%	

SI TDcontroller. Main card. V4a					
REFERENCE		TYPE	VALEUR	TOL	RATING
Left & both	Right				
R107	R1107	T63YB	1KΩ	10%	
R22			82.5KΩ	1%	
R201	R1201		3.65KΩ	1%	
R202	R1202		82.5KΩ	1%	
R203	R1203		10KΩ	1%	
R204	R1204		10KΩ	1%	
R23			1KΩ	1%	
R301	R1301		3.32KΩ	1%	
R302	R1302		3.32KΩ	1%	
R303	R1303		NC		
R311	R1311		NC		
R312	R1312		0Ω		
R313	R1313		2KΩ	1%	
R314	R1314		100KΩ	1%	
R321	R1321		NC		
R322	R1322		0Ω		
R323	R1323		4.64KΩ	1%	
R324	R1324		33.2KΩ	1%	
R331	R1331		NC		
R332	R1332		0Ω		
R333	R1333		3.92KΩ	1%	
R334	R1334		33.2KΩ	1%	
R341	R1341		NC		
R342	R1342		NC		
R343	R1343		NC		
R344	R1344		0Ω		
R24			1KΩ	1%	
R401	R1401		2.74KΩ	1%	
R402	R1402		2.74KΩ	1%	
R403	R1403		10KΩ	1%	
R404	R1404		6.81KΩ	1%	
R405	R1405		4.64KΩ	1%	
R406	R1406		4.64KΩ	1%	
R407	R1407		6.81KΩ	1%	
R408	R1408		2KΩ	1%	
R409	R1409		10KΩ	1%	
R410	R1410		10KΩ	1%	
R25			1KΩ	1%	
R501	R1501		6.81KΩ	1%	



SI TDcontroller. Main card. V4a					
REFERENCE	TYPE		VALEUR	TOL	RATING
Left & both	Right				
R502	R1502		6.81KΩ	1%	
R503	R1503		15KΩ	1%	
R504	R1504		15KΩ	1%	
R511	R1511		33.2KΩ	1%	
R512	R1512		68.1KΩ	1%	
R513	R1513		5.11KΩ	1%	
R516	R1516		33.2KΩ	1%	
R517	R1517		10KΩ	1%	
R518	R1518		33.2KΩ	1%	
R519	R1519		10KΩ	1%	
R520	R1520		10KΩ	1%	
R521	R1521		4.64KΩ	1%	
R522	R1522		51.1Ω	1%	
R523	R1523		5.11KΩ	1%	
R524	R1524		11KΩ	1%	
R525	R1525		100KΩ	1%	
R526	R1526		10KΩ	1%	
R527	R1527		5.11KΩ	1%	
R528	R1528		51.1Ω	1%	
R529	R1529		4.64KΩ	1%	
R530	R1530		11KΩ	1%	
R531	R1531		100KΩ	1%	
R532	R1532		10KΩ	1%	
R540	R1540		0Ω		
R541	R1541		0Ω		
R543	R1543		10KΩ	1%	
R26			10KΩ	1%	
R601	R1601		5.49KΩ	1%	
R602	R1602		5.49KΩ	1%	
R603	R1603		3.32KΩ	1%	
R604	R1604		17.8KΩ	1%	
R611	R1611		3.32KΩ	1%	
R612	R1612		3.32KΩ	1%	
R613	R1613		5.11KΩ	1%	
R616	R1616		33.2KΩ	1%	
R617	R1617		10KΩ	1%	
R618	R1618		33.2KΩ	1%	
R619	R1619		10KΩ	1%	
R620	R1620		10KΩ	1%	

SI TDcontroller. Main card. V4a					
REFERENCE		TYPE	VALEUR	TOL	RATING
Left & both	Right				
R621	R1621		4.64KΩ	1%	
R622	R1622		51.1Ω	1%	
R623	R1623		5.11KΩ	1%	
R624	R1624		11KΩ	1%	
R625	R1625		100KΩ	1%	
R626	R1626		10KΩ	1%	
R627	R1627		5.11KΩ	1%	
R628	R1628		51.1Ω	1%	
R629	R1629		4.64KΩ	1%	
R630	R1630		11KΩ	1%	
R631	R1631		100KΩ	1%	
R632	R1632		10KΩ	1%	
R640	R1640		0Ω		
R641	R1641		0Ω		
R643	R1643		10KΩ	1%	
R27			1KΩ	1%	
R701	R1701		2KΩ	1%	
R702	R1702		2KΩ	1%	
R703	R1703		8.25KΩ	1%	
R711	R1711		2KΩ	1%	
R712	R1712		2KΩ	1%	
R713	R1713		8.25KΩ	1%	
R721	R1721		2KΩ	1%	
R722	R1722		2KΩ	1%	
R723	R1723		8.25KΩ	1%	
R731	R1731		2KΩ	1%	
R732	R1732		2KΩ	1%	
R733	R1733		8.25KΩ	1%	
R741	R1741		2KΩ	1%	
R742	R1742		2KΩ	1%	
R743	R1743		8.25KΩ	1%	
R751	R1751		2KΩ	1%	
R752	R1752		2KΩ	1%	
R753	R1753		8.25KΩ	1%	
R761	R1761		2KΩ	1%	
R762	R1762		2KΩ	1%	
R763	R1763		8.25KΩ	1%	
R771	R1771		2KΩ	1%	
R772	R1772		2KΩ	1%	



SI TDcontroller. Main card. V4a					
REFERENCE	TYPE		VALEUR	TOL	RATING
Left & both	Right				
R773	R1773		8.25KΩ	1%	
R781	R1781		0Ω		
R782	R1782		0Ω		
R783	R1783		NC		
R784	R1784		NC		
R28			1KΩ	1%	
R801	R1801		5.49KΩ	1%	
R803	R1803		221KΩ	1%	
R804	R1804		100KΩ	1%	
R806	R1806		221KΩ	1%	
R807	R1807		5.49KΩ	1%	
R811	R1811		5.49KΩ	1%	
R813	R1813		221KΩ	1%	
R814	R1814		100KΩ	1%	
R816	R1816		221KΩ	1%	
R817	R1817		5.49KΩ	1%	
R31			0Ω		
SW2		MFP 220			
SW1		SHADOW F2U			
SW3		SHADOW F2U			
T1	T2	ST 139 C			
T3	T4	ST 139 C			
T5		2x15V			30VA
TR21		BC548			
TR22		BD135			
TR23		BC548			
XLR1	XLR11	XLR 3 MDH			
XLR2	XLR12	XLR 3 MDH			
XLR3	XLR13	XLR 3 FDH			
XLR4	XLR14	XLR 4 MP			

III.2. SI TD servo card

SI TD servo card v2.2					
SECTION	REFERENCE	DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right			
	Cd		Ceramic	100nF	5%

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
Display	C101	C1101	Film	68nF	5%	
Display	C102	C1102	Film	220nF	5%	
Display	C103	C1103	Film	220nF	5%	
Display	C104	C1104	Film	68nF	5%	
Display	C105	C1105	Film	100nF	5%	
Display	C106	C1106	Film	22nF	5%	
Display	C107	C1107	Film	22nF	5%	
Display	C108	C074	Electrolytic	47µF	20%	25V
Display	C109	C086	Ceramic	100nF	5%	
Display	C11	C088	Electrolytic	1µF	20%	25V
Display	C111	C1111	Film	220nF	5%	
Display	C112	C1112	Electrolytic	10µF	20%	25V
Display	C113	C1113	Ceramic	47pF	5%	
Display	C12	C082	Electrolytic	47µF	20%	25V
Display	C121	C1121	Film	10nF	5%	
	C122	C1122	Film	15nF	5%	
	C123	C1123	Tantale	10µF	5%	25V TG
	C124	C1124	Ceramic	47pF	5%	
	C13	C1104	Electrolytic	1µF	20%	25V
	C131	C1131	Film	22nF	5%	
	C132	C1132	Ceramic	47pF	5%	
	C14	C1107	Electrolytic	47µF	20%	25V
	C151	C1151	Tantale	2.2µF		25V TG
	C152	C1152	Film	1nF	5%	
	C153	C1153	Film	220nF	5%	
	C154	C1154	Ceramic	47nF	5%	
	C201	C1201	Film	100nF	5%	
	C202	C1202	Film	100nF	5%	
	C203	C1203	Film	33nF	5%	
	C204	C1204	Film	22nF	5%	
	C205	C1205	Film	220nF	5%	
	C206	C1206	Film	33nF	5%	
	C212	C1212	Ceramic	47pF	5%	
	C221	C1221	Film	22nF	5%	
	C222	C1222	Film	10nF	5%	
	C223	C1223	Film	100nF	5%	
	C224	C1224	Tantale	10µF		25V TG
	C225	C1225	Ceramic	47pF	5%	
	C231	C1231	Film	470nF	5%	



SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	C232	C1232	Ceramic	47pF	5%	
	C253	C1253	Film	100nF	5%	
	C254	C1254	Ceramic	100pF	5%	
	C301	C1301	Film	2.2nF	5%	
	C302	C1302	Film	2.2nF	5%	
	C303	C1303	Film	6.8nF	5%	
	C304	C1304	Film	3.3nF	5%	
	C311	C1311	Ceramic	47pF	5%	
	C321	C1321	Film	2.2nF	5%	
	C322	C1322	Film	2.2nF	5%	
	C323	C1323	Film	10nF	5%	
	C324	C1324	Tantale	10µF		25V TG
	C325	C1325	Tantale	47µF		16V TG
	C326	C1326	Tantale	47µF		16V TG
	C327	C1327	Ceramic	47pF	5%	
	C341	C1341	Film	10nF	5%	
	C342	C1342	Ceramic	47pF	5%	
	C353	C1353	Film	100nF	5%	
	C354	C1354	Ceramic	100pF	5%	
	C371	C1371	Ceramic	47pF	5%	
	C423	C1423	Film	47nF	5%	
	C424	C1424	Film	47nF	5%	
	C425	C1425	Ceramic	47pF	5%	
	C431	C1431	Ceramic	560pF	5%	
	C432	C1432	Ceramic	560pF	5%	
	C523	C1523	Film	2.2nF	5%	
	C524	C1524	Ceramic	560pF	5%	
	C525	C1525	Ceramic	47pF	5%	
	C531	C1531	Ceramic	560pF	5%	
	C532	C1532	Ceramic	560pF	5%	
	C601	C1601	Tantale	2.2µF		25V TG
	C602	C1602	Film	1nF	5%	
	C603	C1603	Electrolytic	10µF	20%	25V
	C604	C1604	Ceramic	100nF	5%	
	C605	C1605	Electrolytic	10µF	20%	25V
	C606	C1606	Ceramic	100pF	5%	
	C607	C1607	Film	100nF	5%	
	C608	C1608	Ceramic	47pF	5%	
	C609	C1609	Film	100nF	5%	

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
	C610	C1610	Film	100nF	5%	
	C701	C1701	Tantale	2.2µF		25V TG
	C702	C1702	Film	1nF	5%	
	C703	C1703	Electrolytic	10µF	20%	25V
	C704	C1704	Ceramic	100nF	5%	
	C705	C1705	Electrolytic	10µF	20%	25V
	C706	C1706	Ceramic	100pF	5%	
	C711	C1711	Ceramic	47pF	5%	
	C801	C1801	Film	220nF	5%	
	C802	C1802	Film	1nF	5%	
	C803	C1803	Electrolytic	10µF	20%	25V
	C804	C1804	Ceramic	100nF	5%	
	C805	C1805	Electrolytic	10µF	20%	25V
	C806	C1806	Ceramic	33pF	5%	
	C807	C1807	Film	2.2nF	5%	
	C901	C1901	Film	220nF	5%	
	C902	C1902	Film	1nF	5%	
	C903	C1903	Electrolytic	10µF		25V
	C904	C1904	Ceramic	100nF	5%	
	C905	C1905	Electrolytic	10µF		25V
	C906	C1906	Ceramic	33pF	5%	
	C907	C1907	Film	68nF	5%	
	C911	C1911	Ceramic	47pF	5%	
	C704	C1241	Film	220nF	5%	
	D111	D1111		1N4148		
	D112	D1112	Ceramic	1N4148		
	D113	D1113	Ceramic	1N4148		
	D114	D1114	MKT	1N4148		
	D121	D1121	MKT	1N6263		
	D131	D1131		1N6363		
	D135	D1135	Ceramic	ZENER 3V3		
	D151	D1151		1N4148		
	D152	D1152	Ceramic	1N4148		
	D153	D1153	MKT	1N4148		
	D154	D1154	MKT	1N4148		
	D155	D1155	MKT	1N6263		
	D156	D1156		1N6263		
	D157	D1157	Ceramic	1N6263		
	D158	D1158		1N6263		



SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	D171	D1171	Ceramic	1N4148		
	D211	D1211	MKT	1N4148		
	D212	D1212	Ceramic	1N4148		
	D213	D1213	MKT	1N4148		
Display	D214	D1214		1N4148		
Display	D221	D1221		1N6263		
Display	D231	D1231		1N6363		
Display	D235	D1235		ZENER 3V3		
Display	D251	D1251		1N4148		
Display	D252	D1252		1N4148		
Display	D253	D1253		1N4148		
Display	D256	D1256		1N6263		
Display	D257	D1257		1N6263		
Display	D258	D1258		1N6263		
Display	D271	D1271		1N4148		
Display	D311	D1311		1N4148		
	D312	D1312		1N4148		
	D313	D1313		1N4148		
	D314	D1314		1N4148		
	D321	D1321		1N6263		
	D322	D1322		1N6263		
	D323	D1323		1N4148		
	D341	D1341		1N6363		
	D345	D1345		ZENER 3V3		
	D351	D1351		1N4148		
	D352	D1352		1N4148		
	D353	D1353		1N4148		
	D356	D1356		1N6263		
	D357	D1357		1N6263		
	D358	D1358		1N6263		
	D371	D1371		NC		
	D372	D1372		1N4148		
	D373	D1373		NC		
	D401	D1401		1N4148		
	D402	D1402		1N4148		
	D404	D1404		1N4148		
	D405	D1405		1N4148		
	D411	D1411		1N4148		
	D412	D1412		1N4148		

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
	D414	D1414		1N4148		
	D415	D1415		1N4148		
	D417	D1417		1N4148		
	D418	D1418		1N4148		
	D421	D1421		NC		
	D422	D1422		NC		
	D501	D1501		1N4148		
	D502	D1502		1N4148		
	D504	D1504		1N4148		
	D505	D1505		1N4148		
	D511	D1511		1N4148		
	D512	D1512		1N4148		
	D514	D1514		1N4148		
	D515	D1515		1N4148		
	D517	D1517		1N4148		
	D518	D1518		1N4148		
	D521	D1521		ZENER 3V3		
	D522	D1522		ZENER 3V3		
	D601	D1601		ZEN 2V7		
	D602	D1602		ZEN 2V7		
	D701	D1701		ZEN 2V7		
	D702	D1702		ZEN 2V7		
	D801	D1801		ZEN 2V7		
	D802	D1802		ZEN 2V7		
	D901	D1901		ZEN 2V7		
	D902	D1902		ZEN 2V7		
	IC101	IC1101		TL064 CN		
	IC102	IC1102		TL064 CN		
	IC103	IC1103		TL062 CP		
	IC104	IC1104		TLC272 BCP		
	IC105	IC1105		TLC272 BCP		
	IC201	IC1201		TL064 CN		
	IC202	IC1202		TL064 CN		
	IC203	IC1203		TL062 CP		
	IC204	D1418		TL062 CP		
	IC301	IC1301		TL064 CN		
	IC302	IC1302		TL064 CN		
	IC303	IC1303		TL062 CP		
	IC401	IC1401		TL062 CP		



SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	IC402	IC1402		TL074 CN		
	IC403	IC1403		LM339 N		
	IC404	IC1404		TL062 CP		
	IC405	IC1405		CA 3039		
	IC501	IC1501		TL062 CP		
	IC502	IC1502		TL074 CN		
	IC503	IC1503		TL062 CP		
	IC505	IC1505		CA 3039		
	IC601	IC1601		TL074 CN		
	IC602	IC1602		TL074 CN		
	IC801	IC1801		TL074 CN		
	IC802	IC1802		TL072 CP		
	M1	D1701		MOLEX 10-10-1088		
	M2	D1702		MOLEX 10-10-1088		
	M3	D1801		MOLEX 10-10-1088		
	M4	D1802		MOLEX 10-10-1088		
	M5	D1901		MOLEX 10-10-1081		
	M6	D1902		MOLEX 10-10-1081		
	M7	IC1101		MOLEX 10-10-1081		
	M8	IC1102		MOLEX 10-10-10313pts		
	REG1	IC1103	TO92	uA 79L12	5%	
	RV111	RV1111		trimmer T7YB10KA	20%	
	RV121	RV1121		trimmer T7YB10KA	20%	
	RV211	RV1211		trimmer T7YB10KA	20%	
	RV221	RV1221		trimmer T7YB10KA	20%	
	RV311	RV1311		trimmer T7YB10KA	20%	
	RV331	RV1331		trimmer T7YB10KA	20%	
	RV601	RV1601		trimmer T7YB47KA	20%	
	RV701	RV1701		trimmer T7YB47KA	20%	
	RV801	RV1801		trimmer T7YB47KA	20%	
	RV901	RV1901		trimmer T7YB47KA	20%	
	R101	R1101	1/4 W	10KΩ	1%	
	R102	R1102	1/4 W	332KΩ	1%	
	R103	R1103	1/4 W	1.21KΩ	1%	
	R104	R1104	1/4 W	332KΩ	1%	
	R105	R1105	1/4 W	2KΩ	1%	
	R106	R1106	1/4 W	332KΩ	1%	
	R107	R1107	1/4 W	3.92KΩ	1%	
	R108	R1108	1/4 W	1KΩ	1%	

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
	R11	IC1601	1/4 W	1Ω	1%	
	R111	R1111	1/4 W	6.81KΩ	1%	
	R112	R1112	1/4 W	68.1KΩ	1%	
	R113	R1113	1/4 W	10KΩ	1%	
Display	R114	R1114	1/4 W	100KΩ	1%	
Display	R115	R1115	1/4 W	100KΩ	1%	
Display	R116	R1116	1/4 W	46.4KΩ	1%	
Display	R117	R1117	1/4 W	46.4KΩ	1%	
Display	R118	R1118	1/4 W	100Ω	5%	
Display	R119	R1119	1/4 W	100KΩ	1%	
Display	R12		1/4 W	1Ω	1%	
Display	R120	R1120	1/4 W	2.21KΩ	1%	
Display	R121	R1121	1/4 W	6.19KΩ	1%	
Display	R122	R1122	1/4 W	33.2KΩ	1%	
Display	R123	R1123	1/4 W	6.19KΩ	1%	
Display	R124	R1124	1/4 W	10KΩ	1%	
Display	R125	R1125	1/4 W	2.2MΩ	5%	
Display	R126	R1126	1/4 W	562KΩ	1%	
Display	R127	R1127	1/4 W	100KΩ	1%	
Display	R128	R1128	1/4 W	100KΩ	1%	
Display	R129	R1129	1/4 W	100Ω	5%	
Display	R130	R1130	1/4 W	2.21KΩ	1%	
Display	R131	R1131	1/4 W	2.2MΩ	5%	
Display	R132	R1132	1/4 W	562KΩ	1%	
Display	R133	R1133	1/4 W	100KΩ	1%	
Display	R134	R1134	1/4 W	100KΩ	1%	
Display	R151	R1151	1/4 W	4.64KΩ	1%	
	R152	R1152	1/4 W	10KΩ	1%	
	R153	R1153	1/4 W	332KΩ	1%	
	R154	R1154	1/4 W	1MΩ	1%	
	R155	R1155	1/4 W	1KΩ	1%	
	R158	R1158	1/4 W	332KΩ	1%	
	R159	R1159	1/4 W	68.1KΩ	1%	
	R160	R1160	1/4 W	100Ω	1%	
	R163	R1163	1/4 W	332KΩ	1%	
Display	R164	R1164	1/4 W	68.1KΩ	1%	
	R165	R1165	1/4 W	100Ω	1%	
	R171	R1171	1/4 W	3.32KΩ	1%	
	R201	R1201	1/4 W	2.49KΩ	1%	



SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	R202	R1202	1/4 W	13KΩ	1%	
	R203	R1203	1/4 W	8.25KΩ	1%	
	R204	R1204	1/4 W	681Ω	1%	
	R205	R1205	1/4 W	3.32KΩ	1%	
	R206	R1206	1/4 W	10KΩ	1%	
	R207	R1207	1/4 W	1KΩ	1%	
	R208	R1208	1/4 W	332KΩ	1%	
	R209	R1209	1/4 W	6.81KΩ	1%	
Display	R210	R1210	1/4 W	8.25KΩ	1%	
Display	R211	R1211	1/4 W	100KΩ	1%	
Display	R212	R1212	1/4 W	100KΩ	1%	
Display	R213	R1213	1/4 W	46.4KΩ	1%	
Display	R214	R1214	1/4 W	46.4KΩ	1%	
Display	R215	R1215	1/4 W	10KΩ	1%	
Display	R216	R1216	1/4 W	100KΩ	1%	
Display	R217	R1217	1/4 W	2.21KΩ	1%	
Display	R221	R1221	1/4 W	6.81KΩ	1%	
Display	R222	R1222	1/4 W	8.25KΩ	1%	
Display	R223	R1223	1/4 W	2.21KΩ	1%	
Display	R224	R1224	1/4 W	2.21KΩ	1%	
Display	R225	R1225	1/4 W	6.81KΩ	1%	
Display	R226	R1226	1/4 W	150KΩ	1%	
Display	R227	R1227	1/4 W	100KΩ	1%	
	R228	R1228	1/4 W	332KΩ	1%	
	R229	R1229	1/4 W	100Ω	1%	
	R230	R1230	1/4 W	2.21KΩ	1%	
	R231	R1231	1/4 W	825KΩ	1%	
	R232	R1232	1/4 W	22.1KΩ	1%	
	R233	R1233	1/4 W	100KΩ	1%	
	R234	R1234	1/4 W	332KΩ	1%	
	R237	R1237	1/4 W	121KΩ	1%	
	R11	R1241	1/4 W	68.1KΩ	1%	
	R111	R1242	1/4 W	332KΩ	1%	
	R112	R1243	1/4 W	82.5KΩ	1%	
	R251	R1251	1/4 W	4.64KΩ	1%	
	R252	R1252	1/4 W	10KΩ	1%	
	R253	R1253	1/4 W	182KΩ	1%	
	R254	R1254	1/4 W	1MΩ	1%	
	R263	R1263	1/4 W	332KΩ	1%	

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
	R264	R1264	1/4 W	68.1KΩ	1%	
	R265	R1265	1/4 W	100Ω	5%	
	R271	R1271	1/4 W	3.32KΩ	1%	
	R301	R1301	1/4 W	5.62KΩ	1%	
	R302	R1302	1/4 W	100KΩ	1%	
	R303	R1303	1/4 W	18.2KΩ	1%	
	R304	R1304	1/4 W	18.2KΩ	1%	
	R305	R1305	1/4 W	10KΩ	1%	
	R306	R1306	1/4 W	5.62KΩ	1%	
	R311	R1311	1/4 W	100KΩ	1%	
	R312	R1312	1/4 W	100KΩ	1%	
	R313	R1313	1/4 W	46.4KΩ	1%	
	R314	R1314	1/4 W	46.4KΩ	1%	
	R315	R1315	1/4 W	100Ω	1%	
	R316	R1316	1/4 W	100KΩ	1%	
	R317	R1317	1/4 W	2.21KΩ	1%	
	R321	R1321	1/4 W	100KΩ	1%	
	R322	R1322	1/4 W	5.62KΩ	1%	
	R323	R1323	1/4 W	1.5KΩ	1%	
	R324	R1324	1/4 W	1KΩ	1%	
	R325	R1325	1/4 W	18.2KΩ	1%	
	R326	R1326	1/4 W	33.2KΩ	1%	
	R327	R1327	1/4 W	464KΩ	1%	
	R328	R1328	1/4 W	2.21KΩ	1%	
	R329	R1329	1/4 W	22MΩ	5%	
	R330	R1330	1/4 W	22MΩ	5%	
	R331	R1331	1/4 W	2.21KΩ	1%	
	R332	R1332	1/4 W	100KΩ	1%	
	R333	R1333	1/4 W	182KΩ	1%	
	R334	R1334	1/4 W	221KΩ	1%	
	R335	R1335	1/4 W	100KΩ	1%	
	R336	R1336	1/4 W	2.21KΩ	1%	
	R337	R1337	1/4 W	100Ω	1%	
	R341	R1341	1/4 W	33.2KΩ	1%	
	R342	R1342	1/4 W	464KΩ	1%	
	R343	R1343	1/4 W	100KΩ	1%	
	R344	R1344	1/4 W	121KΩ	1%	
	R351	R1351	1/4 W	4.64KΩ	1%	
	R352	R1352	1/4 W	10KΩ	1%	



SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	R353	R1353	1/4 W	33.2KΩ	1%	
	R354	R1354	1/4 W	100KΩ	1%	
	R363	R1363	1/4 W	33.2KΩ	1%	
	R364	R1364	1/4 W	6.81KΩ	1%	
	R365	R1365	1/4 W	100Ω	1%	
	R371	R1371	1/4 W	100KΩ	1%	
	R372	R1372	1/4 W	121KΩ	1%	
	R373	R1373	1/4 W	221KΩ	1%	
	R374	R1374	1/4 W	1MΩ	1%	
	R375	R1375	1/4 W	10KΩ	1%	
	R377	R1377	1/4 W	100KΩ	1%	
	R378	R1378	1/4 W	2.87KΩ	1%	
	R379	R1379	1/4 W	100KΩ	1%	
	R401	R1401	1/4 W	3.32KΩ	1%	
	R403	R1403	1/4 W	49.9KΩ	1%	
	R405	R1405	1/4 W	3.32KΩ	1%	
	R407	R1407	1/4 W	49.9KΩ	1%	
	R411	R1411	1/4 W	681Ω	1%	
	R412	R1412	1/4 W	2.87KΩ	1%	
	R413	R1413	1/4 W	49.9KΩ	1%	
	R415	R1415	1/4 W	681Ω	1%	
	R416	R1416	1/4 W	2.87KΩ	1%	
	R417	R1417	1/4 W	49.9KΩ	1%	
	R421	R1421	1/4 W	1MΩ	1%	
	R422	R1422	1/4 W	1MΩ	1%	
	R423	R1423	1/4 W	1KΩ	1%	
	R424	R1424	1/4 W	10KΩ	1%	
	R425	R1425	1/4 W	1MΩ	1%	
	R426	R1426	1/4 W	1MΩ	1%	
	R427	R1427	1/4 W	100Ω	1%	
	R428	R1428	1/4 W	1MΩ	1%	
	R429	R1429	1/4 W	1MΩ	1%	
	R430	R1430	1/4 W	27.4KΩ	1%	
	R431	R1431	1/4 W	100KΩ	1%	
	R432	R1432	1/4 W	33.2KΩ	1%	
	R433	R1433	1/4 W	2.87KΩ	1%	
	R434	R1434	1/4 W	33.2KΩ	1%	
	R435	R1435	1/4 W	150KΩ	1%	
	R436	R1436	1/4 W	15KΩ	1%	

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
	R437	R1437	1/4 W	15KΩ	1%	
	R438	R1438	1/4 W	150KΩ	1%	
	R439	R1439	1/4 W	4.64KΩ	1%	
	R501	R1501	1/4 W	3.32KΩ	1%	
	R503	R1503	1/4 W	49.9KΩ	1%	
	R505	R1505	1/4 W	3.32KΩ	1%	
	R507	R1507	1/4 W	49.9KΩ	1%	
	R511	R1511	1/4 W	681Ω	1%	
	R512	R1512	1/4 W	2.74KΩ	1%	
	R513	R1513	1/4 W	49.9KΩ	1%	
	R515	R1515	1/4 W	681Ω	1%	
	R516	R1516	1/4 W	2.74KΩ	1%	
	R517	R1517	1/4 W	49.9KΩ	1%	
	R521	R1521	1/4 W	1MΩ	1%	
	R522	R1522	1/4 W	1MΩ	1%	
	R523	R1523	1/4 W	10KΩ	1%	
	R524	R1524	1/4 W	100KΩ	1%	
	R525	R1525	1/4 W	1MΩ	1%	
	R526	R1526	1/4 W	1MΩ	1%	
	R527	R1527	1/4 W	100Ω	1%	
	R528	R1528	1/4 W	1MΩ	1%	
	R529	R1529	1/4 W	1MΩ	1%	
	R530	R1530	1/4 W	20KΩ	1%	
	R531	R1531	1/4 W	100KΩ	1%	
	R532	R1532	1/4 W	27.4KΩ	1%	
	R533	R1533	1/4 W	2.21KΩ	1%	
	R534	R1534	1/4 W	3.32KΩ	1%	
	R539	R1539	1/4 W	4.64KΩ	1%	
	R601	R1601	1/4 W	20KΩ	1%	
	R602	R1602	1/4 W	18.2KΩ	1%	
	R603	R1603	1/4 W	10KΩ	1%	
	R604	R1604	1/4 W	3.01KΩ	1%	
	R605	R1605	1/4 W	51.1Ω	1%	
	R606	R1606	1/4 W	100KΩ	1%	
	R607	R1607	1/4 W	20KΩ	1%	
	R608	R1608	1/4 W	100Ω	1%	
	R609	R1609	1/4 W	10KΩ	1%	
	R610	R1610	1/4 W	10KΩ	1%	
	R611	R1611	1/4 W	10KΩ	1%	



SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	R612	R1612	1/4 W	10KΩ	1%	
	R613	R1613	1/4 W	8.25KΩ	1%	
	R614	R1614	1/4 W	10KΩ	1%	
	R615	R1615	1/4 W	10KΩ	1%	
	R616	R1616	1/4 W	10KΩ	1%	
	R617	R1617	1/4 W	10KΩ	1%	
	R618	R1618	1/4 W	100Ω	1%	
	R619	R1619	1/4 W	2.21KΩ	1%	
	R620	R1620	1/4 W	221KΩ	1%	
	R701	R1701	1/4 W	20KΩ	1%	
	R702	R1702	1/4 W	18.2KΩ	1%	
	R703	R1703	1/4 W	10KΩ	1%	
	R704	R1704	1/4 W	3.01KΩ	1%	
	R705	R1705	1/4 W	51.1Ω	1%	
	R706	R1706	1/4 W	100KΩ	1%	
	R707	R1707	1/4 W	20KΩ	1%	
	R708	R1708	1/4 W	100Ω	1%	
	R715	R1715	1/4 W	10KΩ	1%	
	R716	R1716	1/4 W	10KΩ	1%	
	R717	R1717	1/4 W	10KΩ	1%	
	R718	R1718	1/4 W	100Ω	1%	
	R801	R1801	1/4 W	20KΩ	1%	
	R802	R1802	1/4 W	18.2KΩ	1%	
	R803	R1803	1/4 W	10KΩ	1%	
	R804	R1804	1/4 W	3.01KΩ	1%	
	R805	R1805	1/4 W	51.1Ω	1%	
	R806	R1806	1/4 W	100KΩ	1%	
	R807	R1807	1/4 W	20KΩ	1%	
	R808	R1808	1/4 W	100Ω	1%	
	R809	R1809	1/4 W	10KΩ	1%	
	R810	R1810	1/4 W	10KΩ	1%	
	R811	R1811	1/4 W	10KΩ	1%	
	R812	R1812	1/4 W	10KΩ	1%	
	R815	R1815	1/4 W	8.25KΩ	1%	
	R816	R1816	1/4 W	8.25KΩ	1%	
	R817	R1817	1/4 W	8.25KΩ	1%	
	R818	R1818	1/4 W	100Ω	1%	
	R901	R1901	1/4 W	20KΩ	1%	
	R902	R1902	1/4 W	18.2KΩ	1%	

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
	R903	R1903	1/4 W	10KΩ	1%	
	R904	R1904	1/4 W	3.01KΩ	1%	
	R905	R1905	1/4 W	51.1Ω	1%	
	R906	R1906	1/4 W	100KΩ	1%	
	R907	R1907	1/4 W	20KΩ	1%	
	R908	R1908	1/4 W	100Ω	1%	
	R909	R1909	1/4 W	10KΩ	1%	
	R910	R1910	1/4 W	10KΩ	1%	
	R911	R1911	1/4 W	10KΩ	1%	
	R912	R1912	1/4 W	10KΩ	1%	
	R913	R1913	1/4 W	5.11KΩ	1%	
	R914	R1914	1/4 W	10KΩ	1%	
	R915	R1915	1/4 W	5.11KΩ	1%	
	R916	R1916	1/4 W	10KΩ	1%	
	R917	R1917	1/4 W	10KΩ	1%	
	R918	R1918	1/4 W	100Ω	1%	
	ST1	ST2	1/4 W	0Ω	1%	
	SW201	R1533	1/4 W	C&K AV2 SPDT Levier L1		
	SW501	R1534	1/4 W	C&K AV2 SPDT Levier L1		
	TP1	TP101	1/4 W	test point		
	TP10	TP110	1/4 W	test point		
	TP11	TP111	1/4 W	test point		
	TP12	TP112	1/4 W	test point		
	TP13	TP113	1/4 W	test point		
	TP14	TP114	1/4 W	test point		
	TP15	TP115	1/4 W	test point		
	TP16	TP116	1/4 W	test point		
	TP17	TP117	1/4 W	test point		
	TP18	TP118	1/4 W	test point		
	TP19	TP119	1/4 W	test point		
	TP2	TP102	1/4 W	test point		
	TP3	TP103	1/4 W	test point		
	TP4	TP104	1/4 W	test point		
	TP5	TP105	1/4 W	test point		
	TP6	TP106	1/4 W	test point		
	TP7	TP107	1/4 W	test point		
	TP8	TP108	1/4 W	test point		
	TP9	TP109	1/4 W	test point		
	TR151	TR1151	1/4 W	BC557-B		



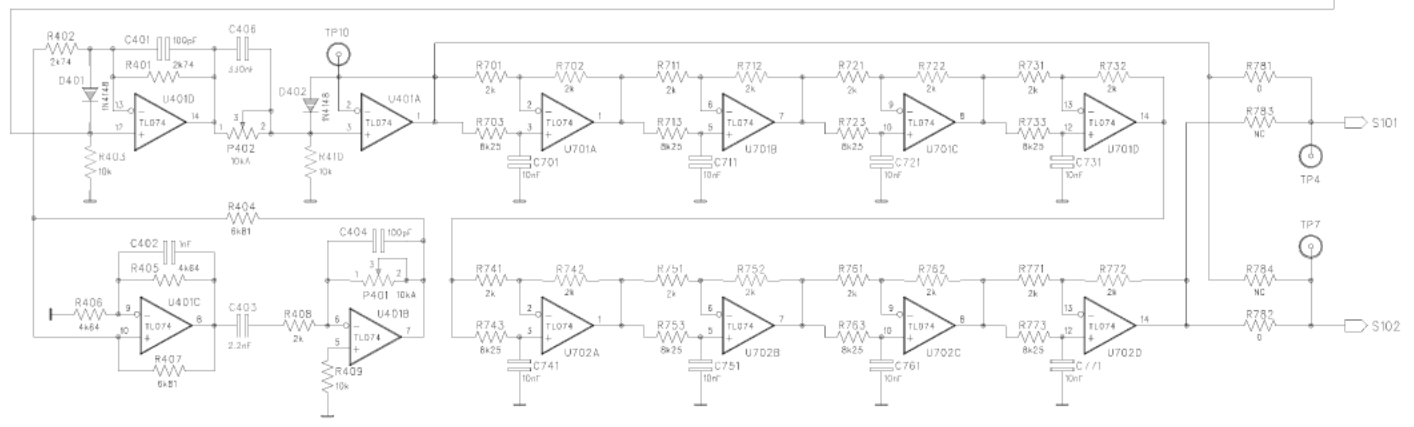
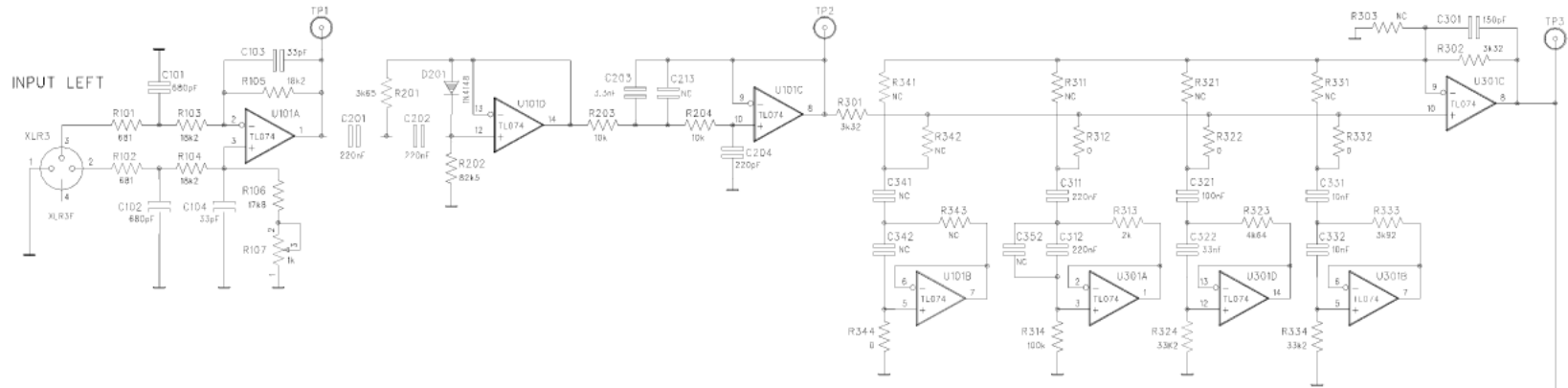
SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
	TR251	TR1251	1/4 W	BC557-B		
	TR351	TR1351	1/4 W	BC557-B		
	TR421	TR1421	1/4 W	2N4393		
	TR521	TR1521	1/4 W	2N4393		
	VCA601	VCA1601	1/4 W	DBX 2150		
	VCA701	VCA1701	1/4 W	DBX 2150		
	VCA801	VCA1801	1/4 W	DBX 2150		
	VCA901	VCA1901	1/4 W	DBX 2150		
	R708	R1708	1/4 W		5%	
	R715	R1715	1/4 W		1%	
	R716	R1716	1/4 W		1%	
	R717	R1717	1/4 W		1%	
	R718	R1718	1/4 W		5%	
	R801	R1801	1/4 W	20KΩ	1%	
	R802	R1802	1/4 W	18.2KΩ	1%	
	R803	R1803	1/4 W	10KΩ	1%	
	R804	R1804	1/4 W	3.01KΩ	1%	
Display	C001	R1805	Ceramic	100nF	5%	
Display	C015	C016	Ceramic	100nF	5%	
Display	C017	C018	Ceramic	100nF	5%	
Display	C021	C022	Ceramic	100nF	5%	
Display	C023	C024	Ceramic	100nF	5%	
Display	C031	C032	Ceramic	100nF	5%	
Display	C033	C034	Ceramic	100nF	5%	
Display	C073	C074	Ceramic	100nF	5%	
Display	C085	C086	Ceramic	100nF	5%	
Display	C087	C088	Ceramic	100nF	5%	
Display	C011	C012	Ceramic	3.3nF	5%	
Display	C013	C014	Ceramic	3.3nF	5%	
Display	C071	C072	Ceramic	1nF	5%	
Display	C081	C082	Ceramic	1nF	5%	
Display	C083	C084	Ceramic	1nF	5%	
Display	D011	D012	1/4 W	1N6263KΩ	1%	
Display	D013	D014	1/4 W	1N6263Ω	1%	
Display	D015	D016	1/4 W	1N4148KΩ	1%	
Display	D017	D018	1/4 W	1N4148KΩ	1%	
Display	D021	D022	1/4 W	1N4148Ω	5%	

SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL	RATING
	Left/Both.	right				
Display	D031	D032	1/4 W	1N4148KΩ	1%	
Display	D071	D072	1/4 W	1N4148KΩ	1%	
Display	D073	D074	1/4 W	1N4148KΩ	1%	
Display	D081	D082	1/4 W	1N4148KΩ	1%	
Display	D083	D084	1/4 W	1N6263KΩ	1%	
Display	D085	D086	1/4 W	1N4148KΩ	1%	
Display	D087	D088	1/4 W	1N4148KΩ	1%	
Display	IC001	R1916	1/4 W	LM339 NKΩ	1%	
Display	IC002	R1917	1/4 W	LM339 NKΩ	1%	
Display	IC003	R1918	1/4 W	LM339 NΩ	5%	
Display	IC004		4K7	LM339 N		
Display	IC005		2K2	LM339 N		
Display	IC006		2K2	LM339 N		
Display	IC007	ST2		LM339 N		
Display	LED011	LED012		TLS G 3200		
Display	LED013	LED014		TLS G 3200		
Display	LED021	LED022		TLS R 3200		
Display	LED031	LED032		TLS R 3200		
Display	LED041	LED042		TLS R 3200		
Display	LED051	LED052		TLS R 3200		
Display	LED061	LED062		TLS R 3200		
Display	LED071	LED072		TLS Y 3200		
Display	LED081	LED082		TLS Y 3200		
Display	LED083	LED084		TLS Y 3200		
Display	LED091	TP117		TLS R 3200		
Display	LED092	TP118		TLS R 3200		
Display	M05	TP119		MOLEX 10-08-1081		
Display	M06	TP102		MOLEX 10-08-1081		
Display	M07	TP103		MOLEX 10-08-1081		
Display	M08	TP104		MOLEX 10-08-10313pts		
Display	REG01	TP105	TO202	LM317 MP		
Display	R001	TP106	1/2 W	3.3Ω	5%	
Display	R021	R025	1/4 W	1MΩ	1%	
Display	R022	R026	1/4 W	90.9KΩ	1%	
Display	R031	R035	1/4 W	1MΩ	1%	
Display	R032	R036	1/4 W	75KΩ	1%	
Display	R041	TR1251	1/4 W	150KΩ	1%	
Display	R042	TR1351	1/4 W	1KΩ	1%	
Display	R043	TR1421	1/4 W	3.92KΩ	1%	

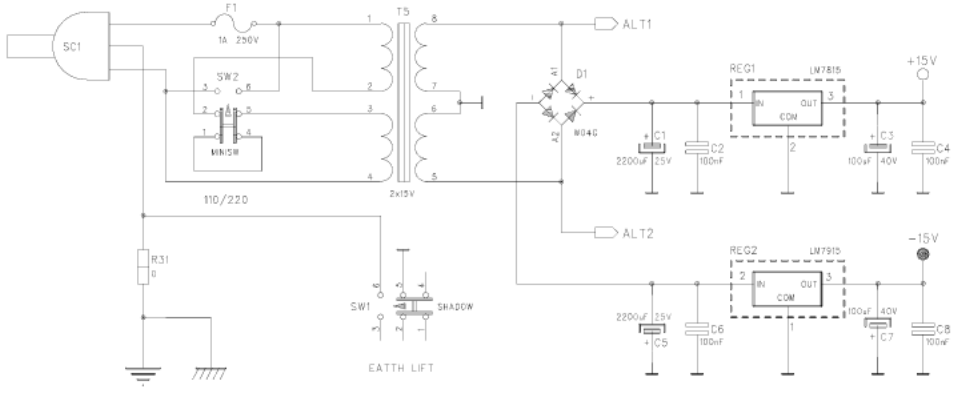


SI TD servo card v2.2						
SECTION	REFERENCE		DESCRIPTION	SPECS	TOL RATING	
	Left/Both.	right				
Display	R047	R048	1/4 W	2.21KΩ	1%	
Display	R057	R058	1/4 W	2.21KΩ	1%	
Display	R067	R068	1/4 W	2.21KΩ	1%	
Display	R081	VCA180 1	1/4 W	150KΩ	1%	
Display	R082	VCA190 1	1/4 W	3.32KΩ	1%	
Display	R091		1/4 W	1KΩ	1%	
Display	R092		1/4 W	1KΩ	1%	
Display	SIL001		4K7	Net SIL 4/5 Pull Up same Base		
Display	SIL002		2K2	Net SIL 8/9 Pull Up same Base		
Display	SIL003		2K2	Net SIL 8/9 Pull Up saemBase		

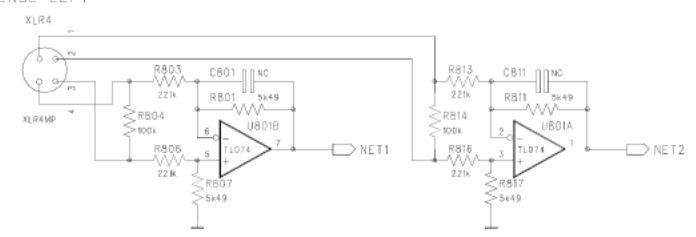
INPUT LEFT



ALIMENTATION GENERALE

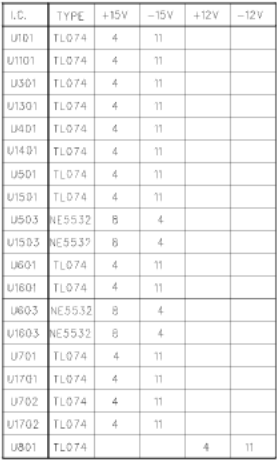


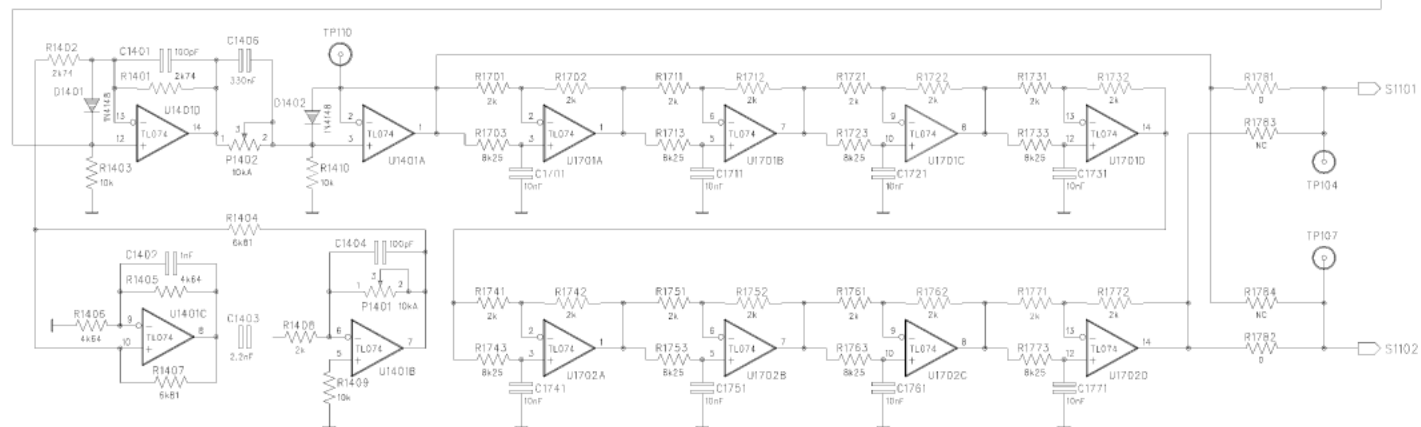
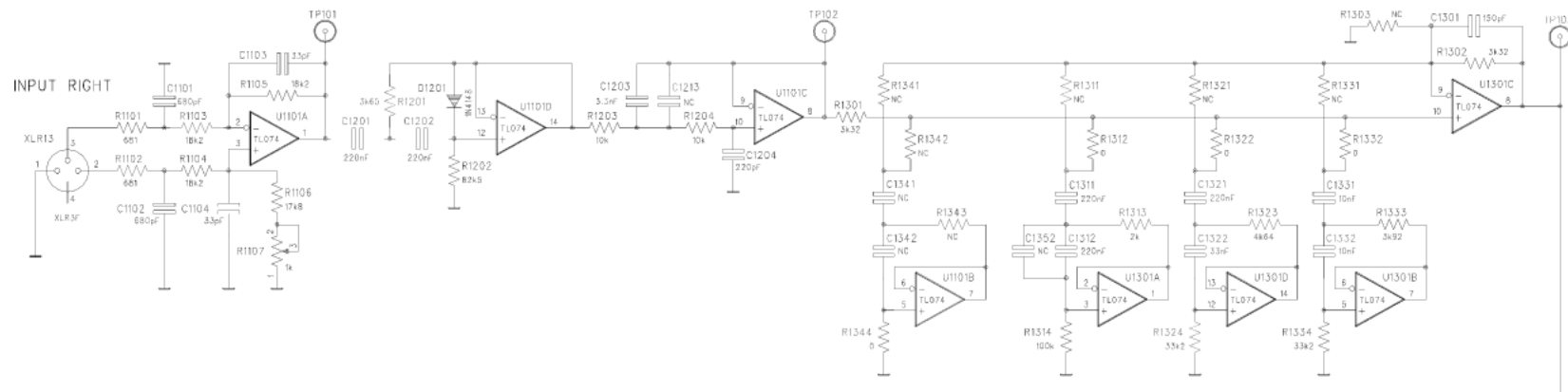
SENSE LEFT



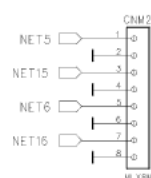
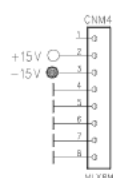
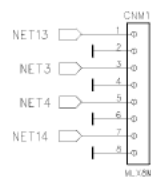
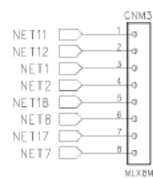
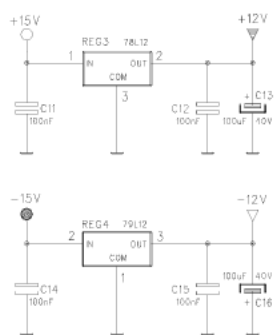
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SI TDController		DATE : 11-01-93	
LEFT CHANNEL : INPUTS		AUTEUR: P ROBEAU	
		DESSINE : ETELEC'S	

154 Allée des Erables
Z.I. PARIS NORD II
95450 ROISSY C.D.G.

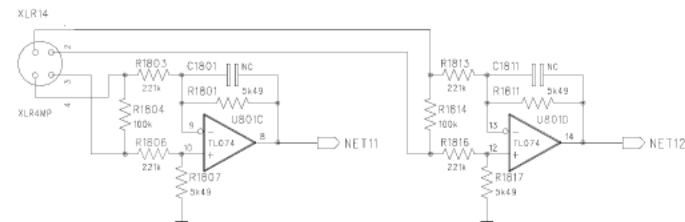




ALIMENTATION ETAGES SENSE



SENSE RIGHT



N° DOSSIER : 9245V02

NEXO DISTRIBUTION

SI TDController

RIGHT CHANNEL : INPUTS

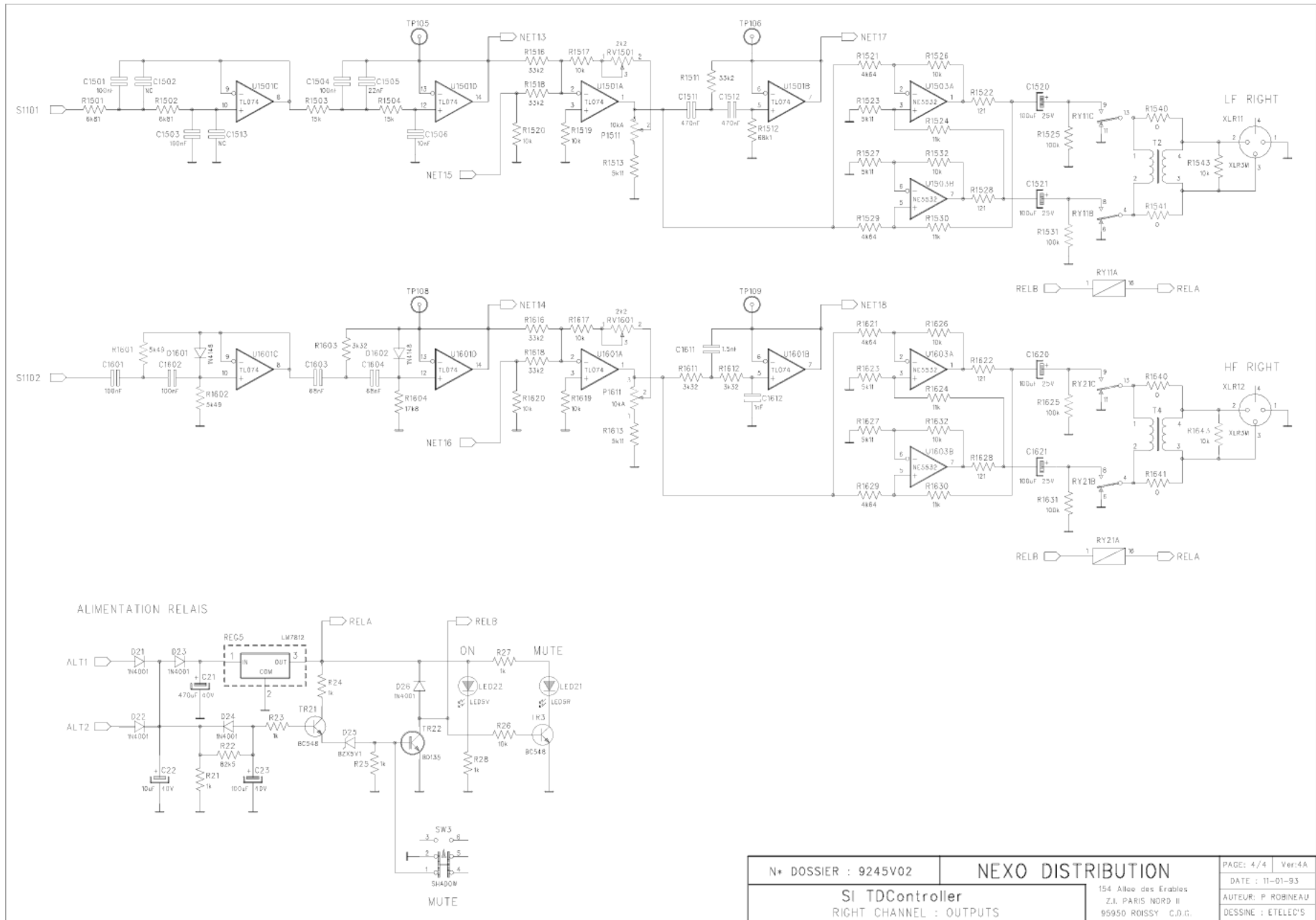
154 Allée des Érables
Z.I. PARIS NORD II
95950 ROISSY C.D.G.

PAGE: 3/4 Ver:4A

DATE : 11-01-93

AUTEUR: P.ROBINEAU

DESSINE : ETELEC'S



N° DOSSIER : 9245V02	NEXO DISTRIBUTION	PAGE: 4/4	Ver:4A
SI TDController		DATE : 11-01-93	AUTEUR: P.ROBINEAU
RIGHT CHANNEL : OUTPUTS		DESSINE : ETELEC'S	