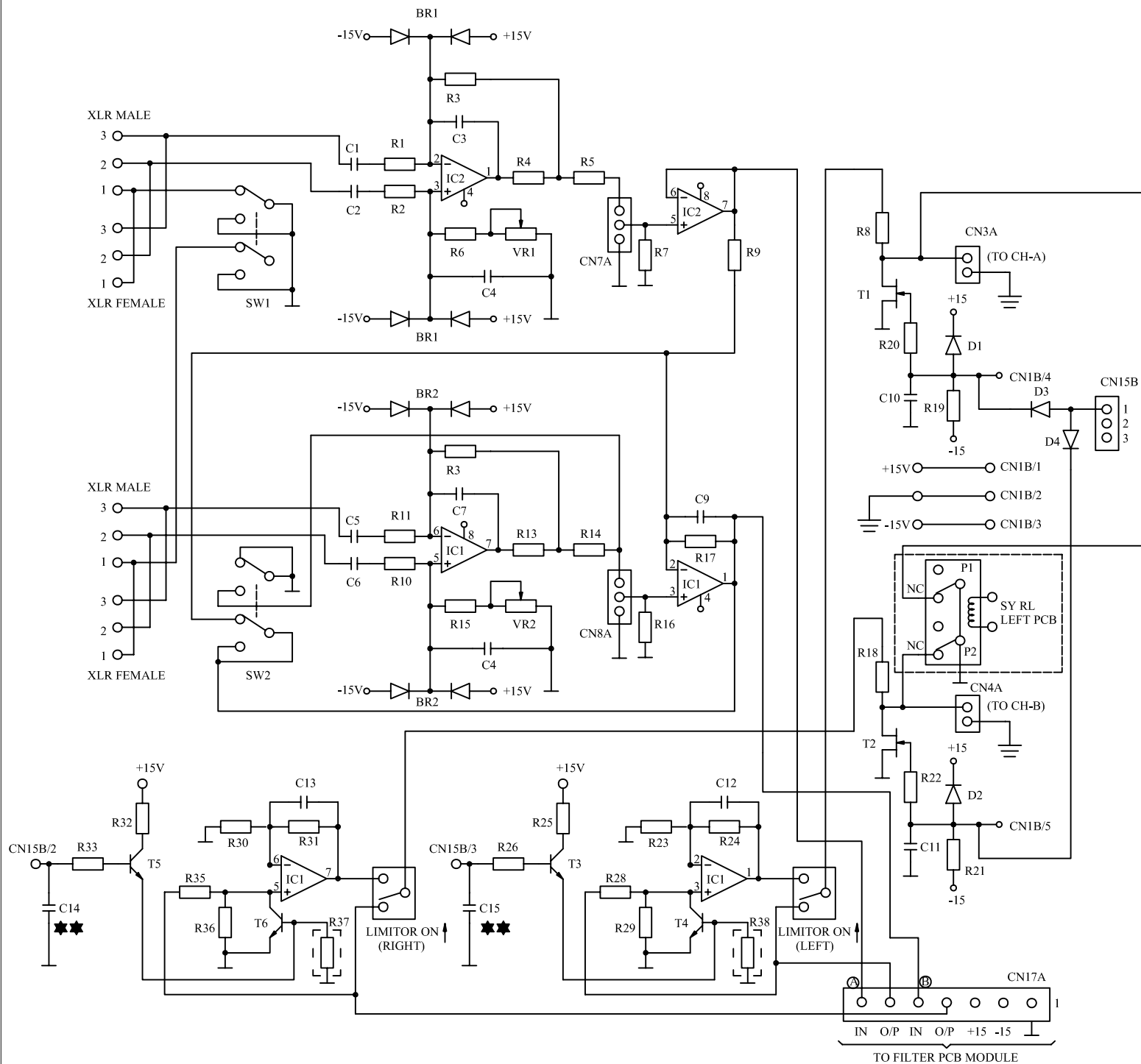




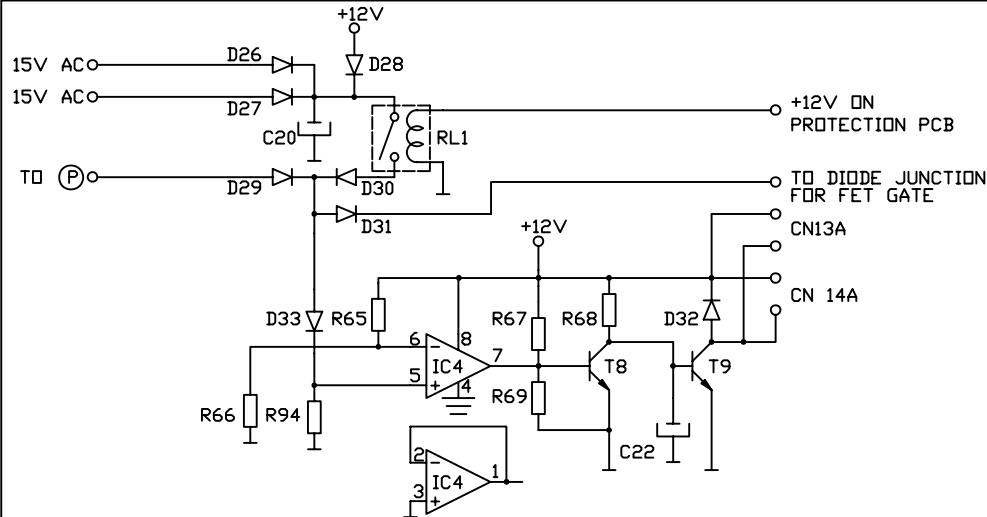
NOS.	VALUES	NOS.	VALUES	NOS.	VALUES
R1	★	R35	2K2	BR1	RB154
R2	★	R36	100E	BR2	RB154
R3	18K	R37	=====		
R4	100E	R38	=====		
R5	1K5			T1	=====
R6	15K			T2	=====
R7	68K	C1	10MF/50V NP	T3	2SC 1815Y
R8	3K3	C2	10MF/50V NP	T4	2SC 2240
R9	3K3	C3	33PF	T5	2SC 1815Y
R10	★	C4	33PF	T6	2SC 2240
R11	★	C5	10MF/50V NP		
R12	18K	C6	10MF/50V NP		
R13	100E	C7	33PF		
R14	1K5	C8	33PF		
R15	15K	C9	100PF		
R16	68K	C10	=====		
R17	3K3	C11	=====		
R18	3K3	C12	330PF		
R19	=====	C13	330PF		
R20	=====				
R21	=====	D1	=====		
R22	=====	D2	=====		
R23	100E	D3	=====		
R24	2K2	D4	=====		
R25	10K				
R26	10K				
		IC1	NE 5532		
R28	2K2	IC2	NE 5532		
R29	100E	IC3	NE 5532		
R30	100E				
R31	2K2	RL7	TR2-12V		
R32	10K				
R33	10K	VR1	5K		
		VR2	5K		

ALL RESISTOR ARE 1/8 WATTS.

★ R1,R2,R10,R11 - SY400 SY800 SY1200 SY1600 SY2000
12K 10K 6K8 10K 10K

★★ C14 AND C15 - — — — 3K3PF —

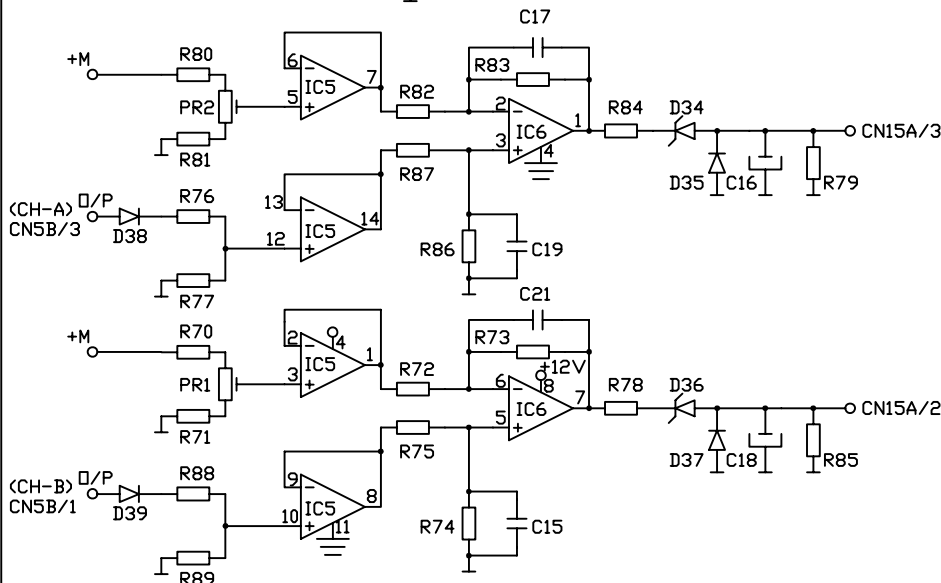
NOS.	DESCRIPTION	APPD.	CHK.	DATE	
A M E N D					
DATE:- 06/07/02					SHEET 1 OF 1
SCHEMATIC CIRCUIT DIAGRAM OF SY INPUT					
DRG. NO.: SIL / 16 / 0216	DRN. BY PRASANNA	CHD. BY MILIND	APPD. BY S.R.Shinde	REV. 0 0	



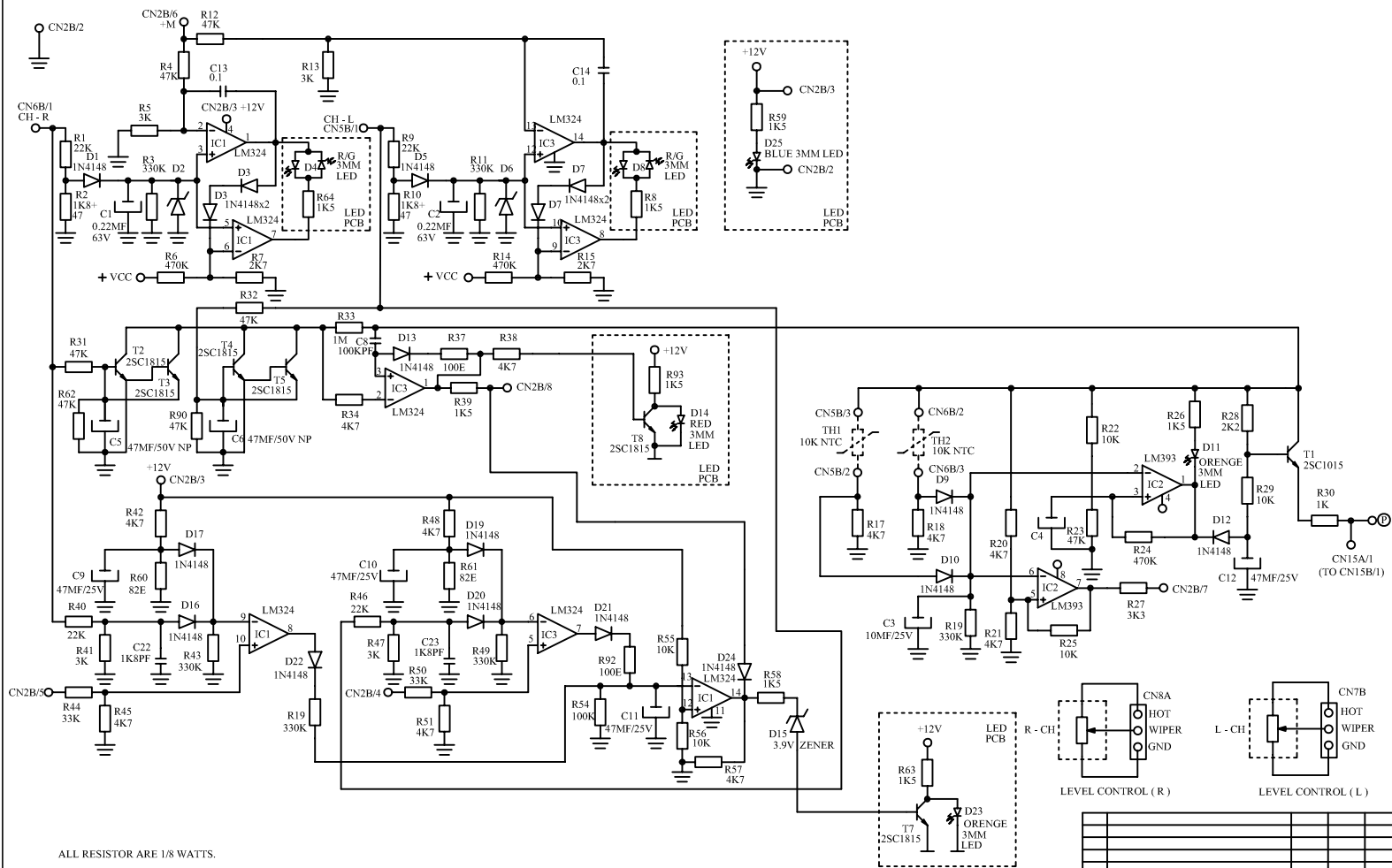
NOS.	VALUES	NOS.	VALUES	NOS.	VALUES
R65	10K	R94	100K	D26	-----
R66	3K3			D27	-----
R67	10K	RL1	-----	D28	-----
R68	2K7			D29	1N4148
R69	100K	C15	5P6	D30	-----
		C16	10MF/25V	D31	1N4148
R72	47K	C17	5P6	D32	1N4007
R73	1M	C18	10MF/25V	D33	1N4148
R74	1M	C19	5P6	D34	3.9V
R75	47K	C20	-----	D35	1N4148
		C21	5P6	D36	3.9V
R78	100E	C22	470MF/16V ELCD.	D37	1N4148
R79	100K			D38	1N4148
				D39	1N4148
R82	47K	T8	1815Y	PR1	220E
R83	1M	T9	BD139		220E
R84	100E			IC4	LM339
R85	100K			IC5	LM324
R86	1M			IC6	LM1458
R87	47K				

ALL RESISTORS ARE 1/4 WATTS.

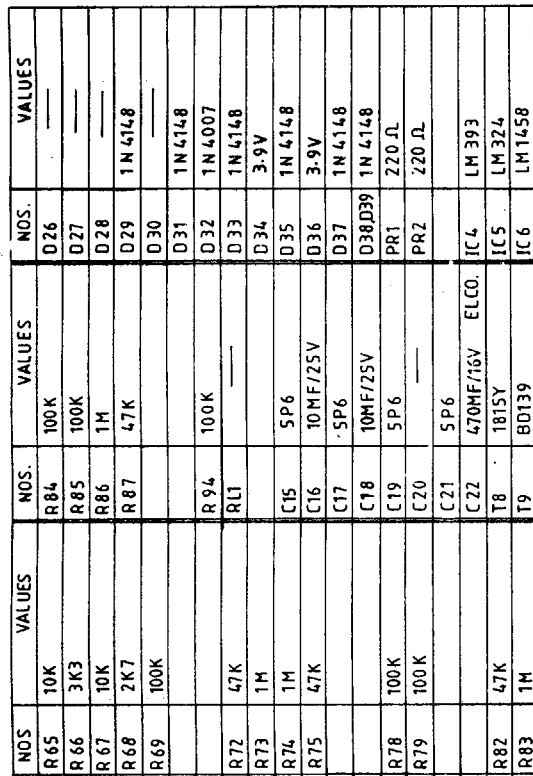
NOS.	SY400	SY800	SY1200	SY1600	SY2000
R70	35.2K	47K	150K	68K	
R71	4K7	4K7	12K	4K7	
R76	5K6	39K	12K	60K7	
R77	1K	4K7	1K	4K7	
R80	35.2	47K	150K	68K	
R81	4K7	4K7	12K	4K7	
R88	5K6	39K	12K	60K7	
R89	1K	4K7	1K	4K7	



NOS.	DESCRIPTION	APPD.	CHK.	DATE
A M E N D				
CIRCUIT DIAGRAM OF ON - OFF THUMP / LIMITER				DATE:- 7/9/02
SHEET 6 OF 6				
DRG. NO.:	DRN. BY	CHD. BY	APPD. BY	REV.
SIL / 16 / 0218	PRASANNA	S.R.S.	S.R.Shinde	0 0



NOS.	DESCRIPTION	APPD.	CHK.	DATE
A M E N D				
				DATE: 09/0702
SCHEMATIC CIRCUIT DIAGRAM OF SY 1600 PROTECTION				
DRG. NO.: SIL / 16 / 0218	DRN. BY PRASANNA	CHD. BY MILIND	APPD. BY S.R.Shinde	SHEET 4 OF 6 REV. 0 0

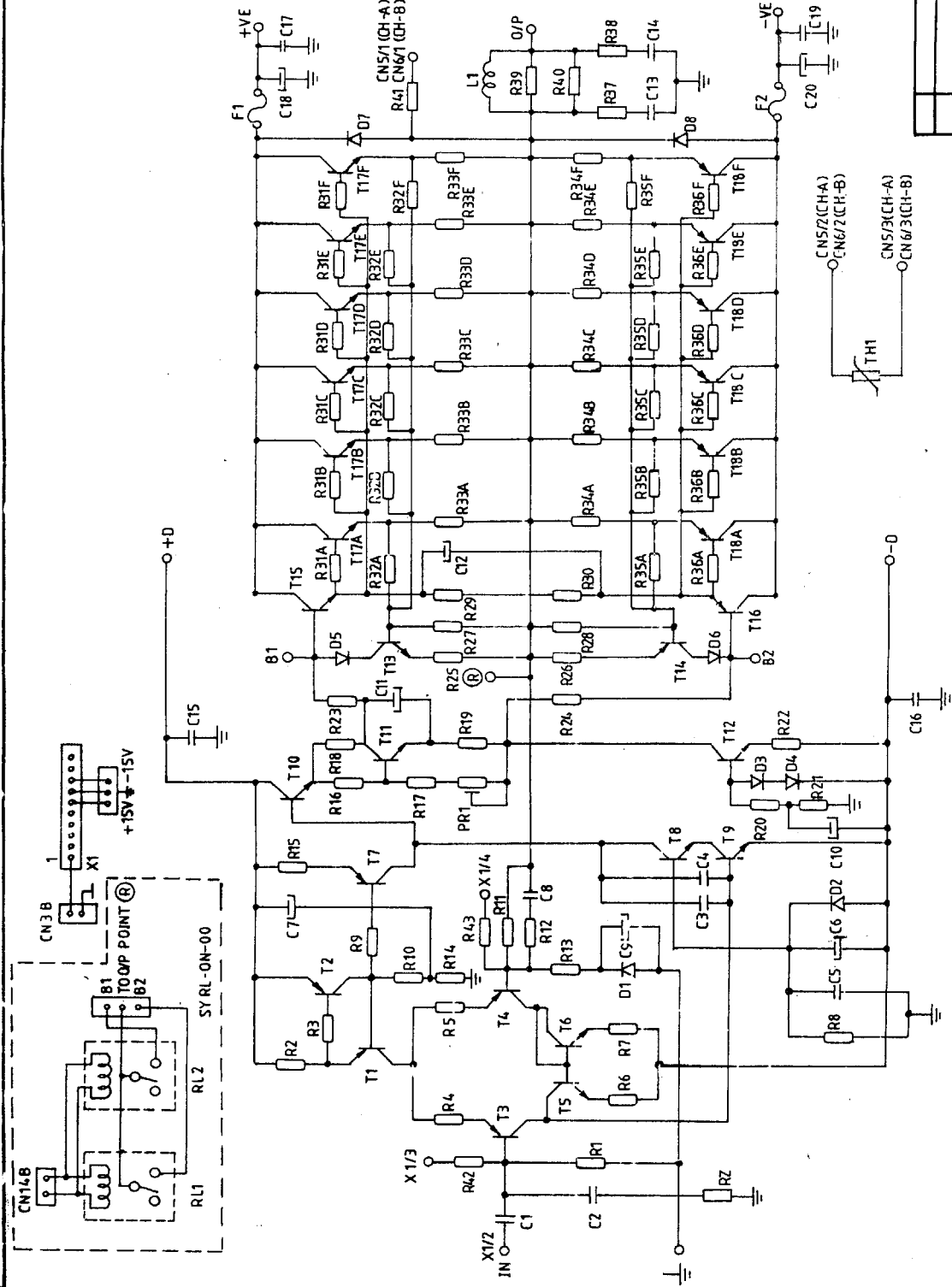


NOS.	SY 400	SY 800	SY 1200	SY 1600	SY 2000
R70	35.2 K	47 K	150 K	68 K	
R71	4 K7	4 K7	10 K	4 K7	
R76	5 K6	39 K	12 K	60 K7	
R77	1 K	4 K7	1 K	4 K7	
R81	4 K7	4 K7	10 K	4 K7	
R88	5 K6	39 K	12 K	60 K7	
R89	1 K	4 K7	1 K	4 K7	
R80	35.2 K	47 K	150 K	68 K	

SONODYNE INTL. LIMITED, MUMBAI.		DATE:- 07/09/2002	
CIRCUIT DIAGRAM OF THE ON-OFF THUMP/LIMITER		SHEET 2 OF 2	
ORG. NO. : SIL / 16/0218	DRN. BY PRASANNA	CHD. BY SLS	APPD. BY <i>11/2/21</i>
REV.		00	

NOS.	VALUES	NOS.	VALUES	NOS.	VALUES
R1	36A	R36A	TO	PR1	2K2
R2	100E	R36F	10E	T1	2SA1145
R3	1K	R37	10E, 5W	T2	2SA1015
R4	220E	R38	10E, 5W	T3	2SA1145
R5	220E	R39	1E, 5W	T4	2SA1145
R6	68E	R40	1E, 5W	T5	2SC1815
R7	68E	R41	10E	T6	2SC1815
R8	10K, 1/2W	RZ	10E	T7	BF 470
R9	0E	C1	2.2MF	T8	BF 469
R10	10K	C2	330PF	T9	2SC2705
R11	330E	C3	100PF, 500V	T10	BF 469
R12	330E	C4	100PF, 500V	T11	BD 139
R13	10K	C5	0.1/160V	T12	BC 639
R14	150E	C6	100MF, 16V	T13	BC 640
R15	3K3	C7	47MF/100V	T14	BC 640
R16	1K2	C8	15PF	T15	***
R17	47E	C9	100MF	T16	***
R18	10E	C10	47MF	T17A	***
R19	10K	C11	47MF/100V	T17F	***
R20	10K	C12	47MF	T18A	***
R21	10K	C13	0.1/160V	T18F	***
R22	47E	C14	0.1/160V	T18F	***
R23	39E	C15	0.1/160V	T18F	***
R24	39E	C16	0.1/160V	T18F	***
R25	0E	C17	0.1/160V	T18F	***
R26	0E	C18	***	T18F	***
R27	***	C19	0.1/160V	T18F	***
R28	68E	C20	***	T18F	***
R29	68E			T18F	***
R30	68E			T18F	***
R31A	TO			T18F	***
R31F	2E2			T18F	***
R32A	56E			T18F	***
R32F	56E			T18F	***
R33A	0.22/5W			T18F	***
R33F	0.22/5W			T18F	***
R34A	0.22/5W			T18F	***
R34F	0.22/5W			T18F	***
R35A	56E			T18F	***
R35F	56E			T18F	***

ALL RESISTORS ARE 1/4 WATTS UNLESS OTHERWISE SPECIFIED.



TRANSISTORS TO BE USED			
SY1200	SY1600	SY2000	
T17A TO T17D	T17A TO T17E	T17A TO T17F	SY2000
2SC 5200	2SC 5359	2A001N	15K
T18A TO T18D	T18A TO T18E	T18A TO T18F	10.0
2SA 1943	2SA 1987	PA001P	15.0
T15	T15	T15	10.0
2SC 4793	2SC 4793	2SC 4793	15.0
T16	T16	T16	10.0
2SA1837	2SA 1837	2SA 1837	10.0

RESISTORS TO BE USED			
SY1200	SY1600	SY2000	
R1, R11	10K	15K	15K
R27, R26	15.0	10.0	10.0

FUSE 1 & FUSE 2 - SY1200 - 8A (F.B.)
SY1600 - 10A (F.B.)
SY2000 - 10A (F.B.)

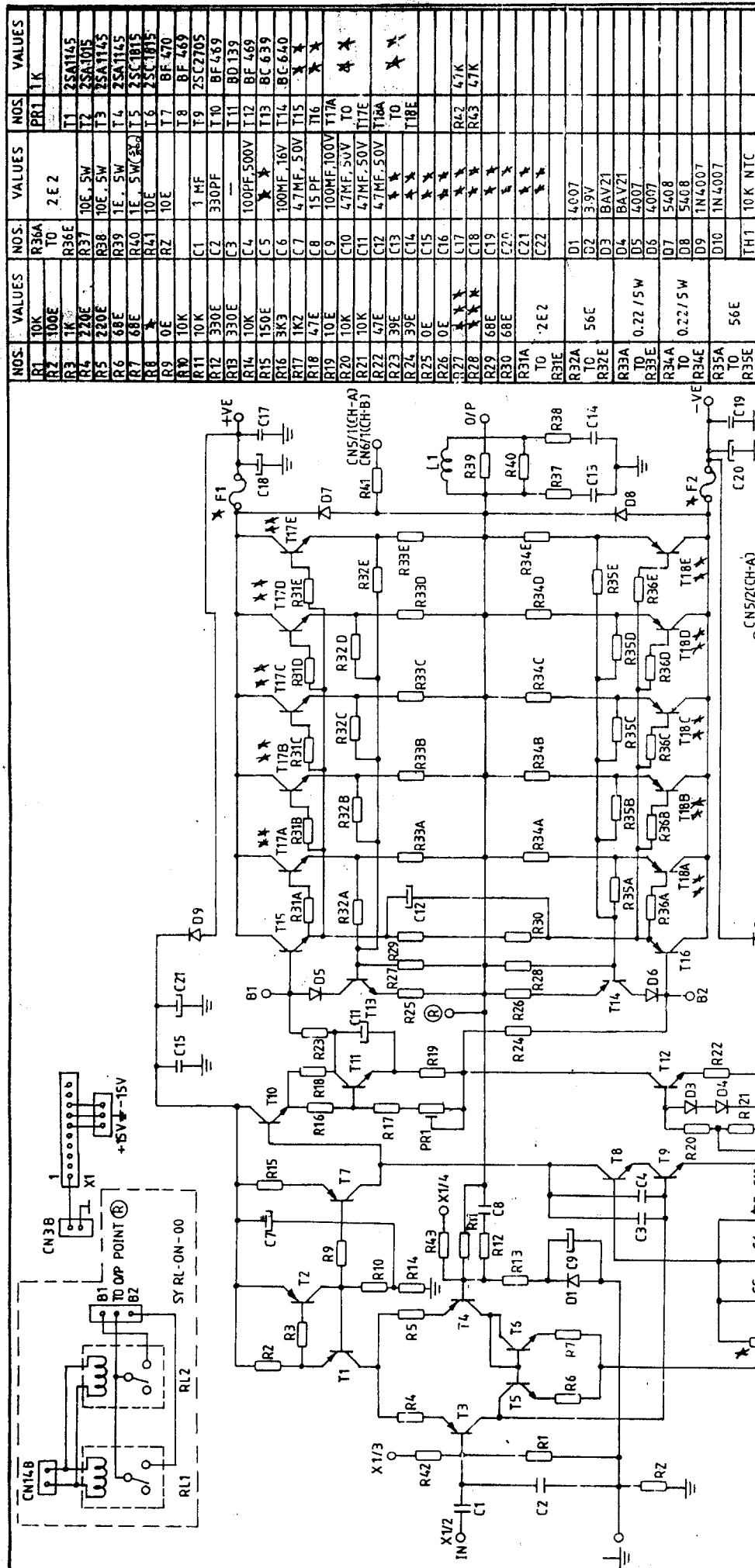
CAPACITOR			
SY1200	SY1600	SY2000	
C18, C20	100MF/100V	100MF/150V	

SONODYNE INTL. LIMITED, MUMBAI. DATE: 12/08/2002

CIRCUIT DIAGRAM OF SY1200, SY1600 AND SY2000 POWER AMPLIFIER

ORG. NO.:	DRN. BY	CHD. BY	APPD. BY	REV.
SIL/16/0219	PRASANNA	SAS		00

A M E N D



ALL RESISTORS ARE 1/4 WATTS UNLESS OTHERWISE SPECIFIED.

NOS.	VALUES	NOS.	VALUES	NOS.	VALUES
R1	10K	R36A	TO	PR1	1K
R2	100E	R36E			
R3	1K				
R4	220E				
R5	220E				
R6	68E				
R7	68E				
R8	10E				
R9	0E				
R10	10K				
R11	10K				
R12	330E				
R13	330E				
R14	10K				
R15	150E				
R16	3K3				
R17	1K2				
R18	47E				
R19	10E				
R20	10K				
R21	10K				
R22	47E				
R23	39E				
R24	39E				
R25	0E				
R26	0E				
R27	0E				
R28	0E				
R29	68E				
R30	68E				
R31A	TO				
R31E	TO				
R32A	TO				
R32E	TO				
R33A	TO				
R33E	TO				
R34A	TO				
R34E	TO				
R35A	TO				
R35E	TO				

A M E N O

SONOBYNE INTL. LIMITED, MUMBAI.

CIRCUIT DIAGRAM OF SY POWER AMPLIFIER(SY400/800)

ORG. NO.:	DRN. BY	CHD. BY	APPD. BY	REV.
SIL/16/0215	PRASANNA			00

TRANSISTORS TO BE USED

SY400	SY800
T17A, T17B	T17A TO T17C
ZSC5200	ZSC5200
T18A, T18B	T18A TO T18C
2SA1943	2SA1943
T15	T15
2SC5171	2SC5171
T16	T16
2SA1930	2SA1930

NOTE:- R8 - SY400, SY800 - 6K8, 1/2W

FUSE1 & FUSE2 - SY400 - 5A (F.B.)

SY800 - 6.3A (F.B.)

SY400

SY800

15 Ω

18 Ω

15 Ω

15 Ω

15 Ω

15 Ω

15 Ω

15 Ω

15 Ω

CAVEAT

CAVEAT

CAVEAT

CAVEAT

[illegible]

