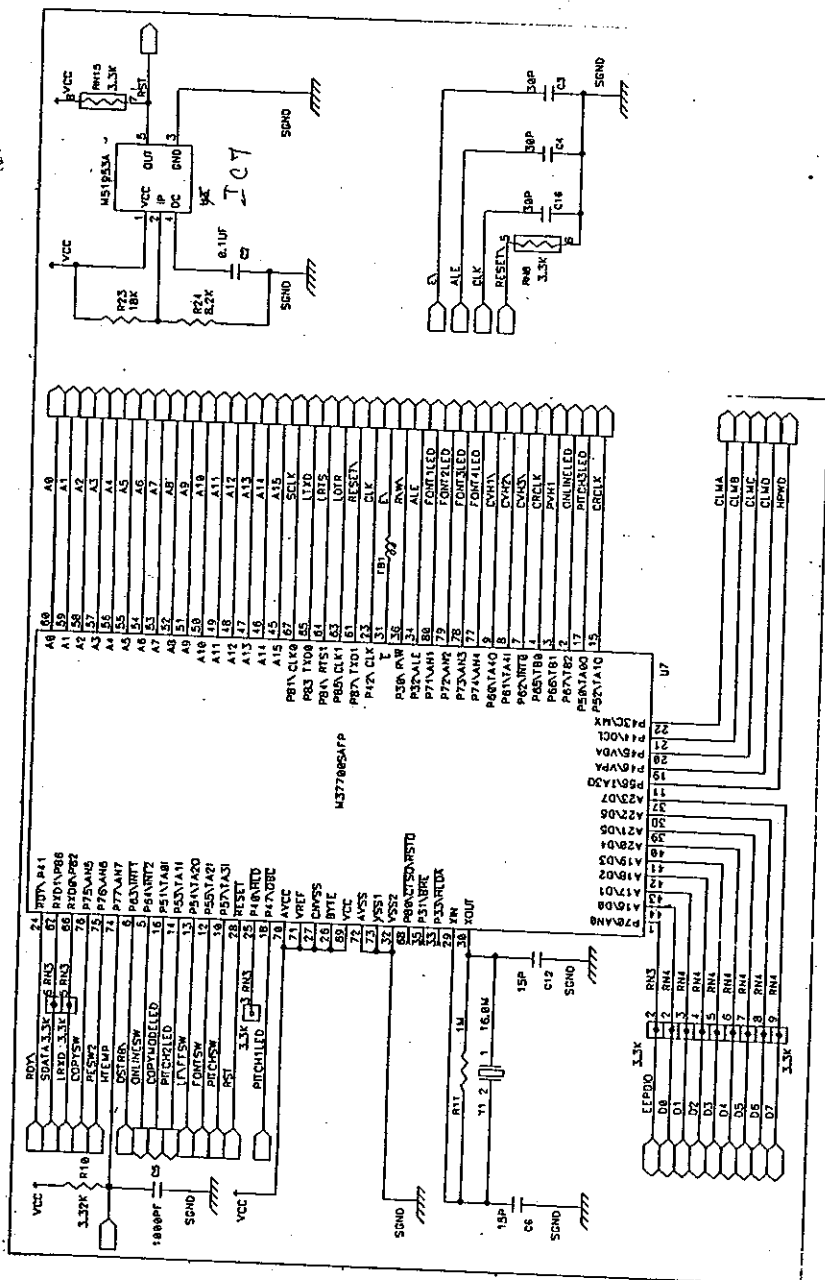


EXHIBIT D

Circuit Diagram

MSP 330

11 sheets.

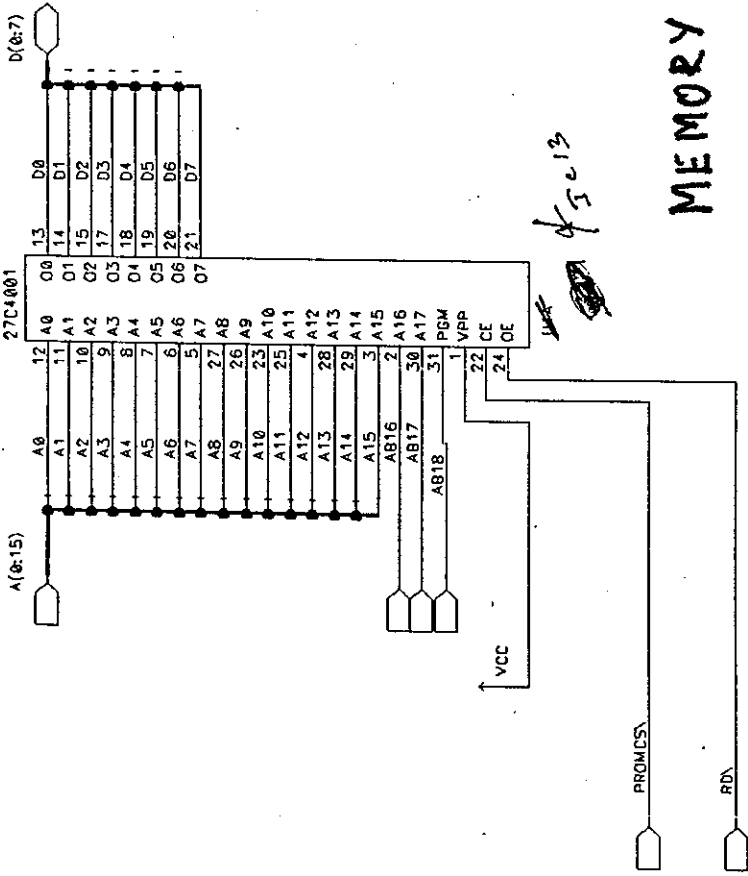


CPU
IC4

MODIFICATION DETAILS				FINISH			
REV	DESCRIPTION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVED
B	REFER ECN NO. 9575260.	20-11-97	W.A.				
A	FIRST ISSUED	25-11-97	W.A.				
MATERIAL				AS PER PARTS LIST 1A161454			
REV	DESCRIPTION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVED
B	1019248						
A	PD335						
TITLE				SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)			
DRAWN				J.S. LUMESHA			
CHECKED				V.BABU			
APPROVED				M.R. NAIR			
NUMBER				1S161454			
SCALE				1 OF 10			
SHEET				A3			
REVISION				B			

11

2

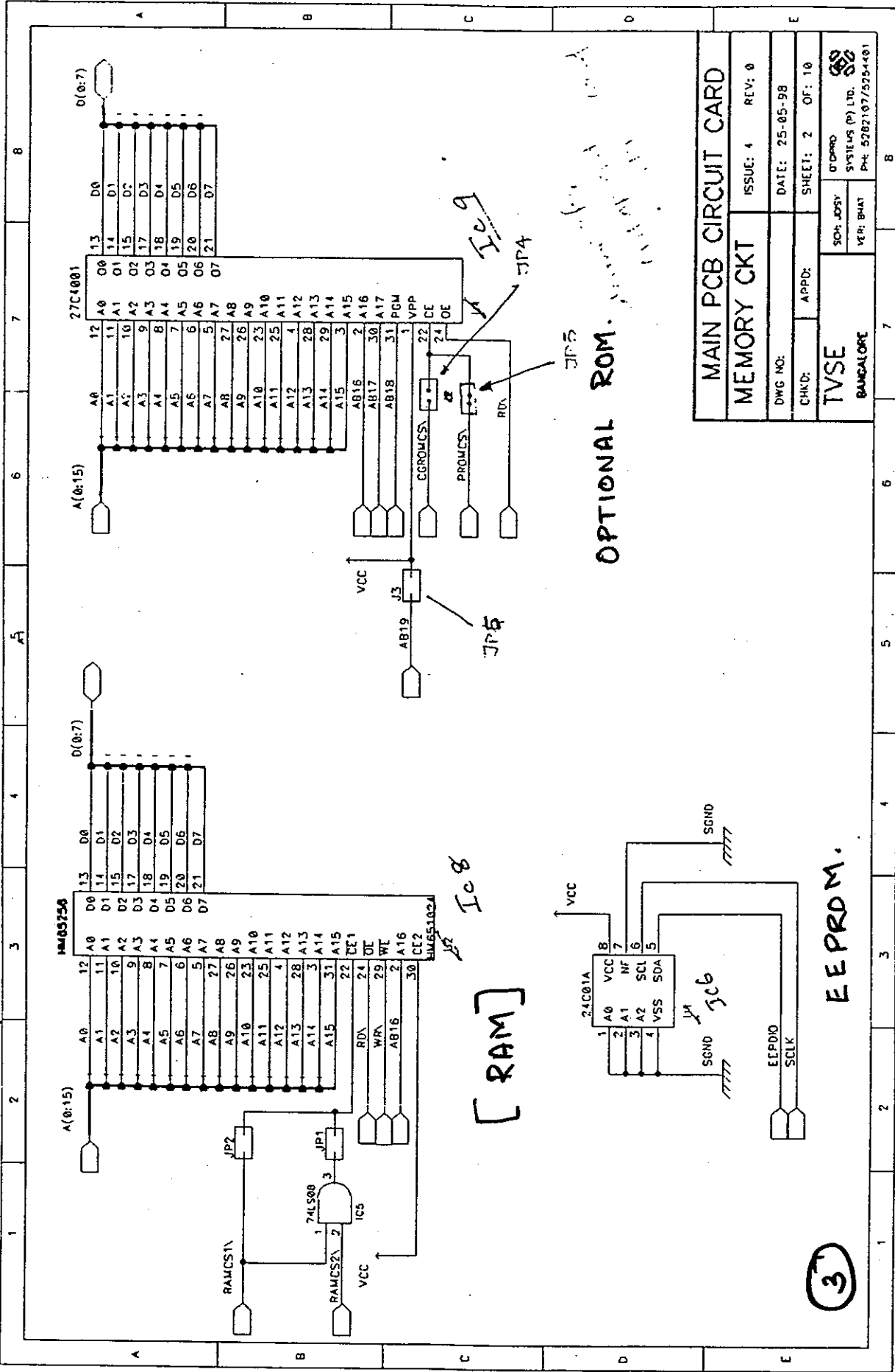


45213

MEMORY IC [EPROM]

MAIN PCB CIRCUIT CARD

MEMORY CKT		ISSUE: 1	REV: 0
DWG NO:		DATE: 25-05-98	
CHKD:	APPD:	SHEET: 2	OF: 10
TVSE		D'GRO	
BANGALORE		SYSTEMS (P) LTD.	
		VER: BHAT	
		PH: 5282107/5254401	



MAIN PCB CIRCUIT CARD			
MEMORY CKT		ISSUE: 4	REV: 0
DWG NO:		DATE: 25-05-98	
CHKD:		APPD:	SHEET: 2 OF: 10
TVSE		O'DRND	
BANGALORE		SYSMS (P) LTD.	
		VER: BHAT	
		P# 5282107/5284401	

EEPROM.

3

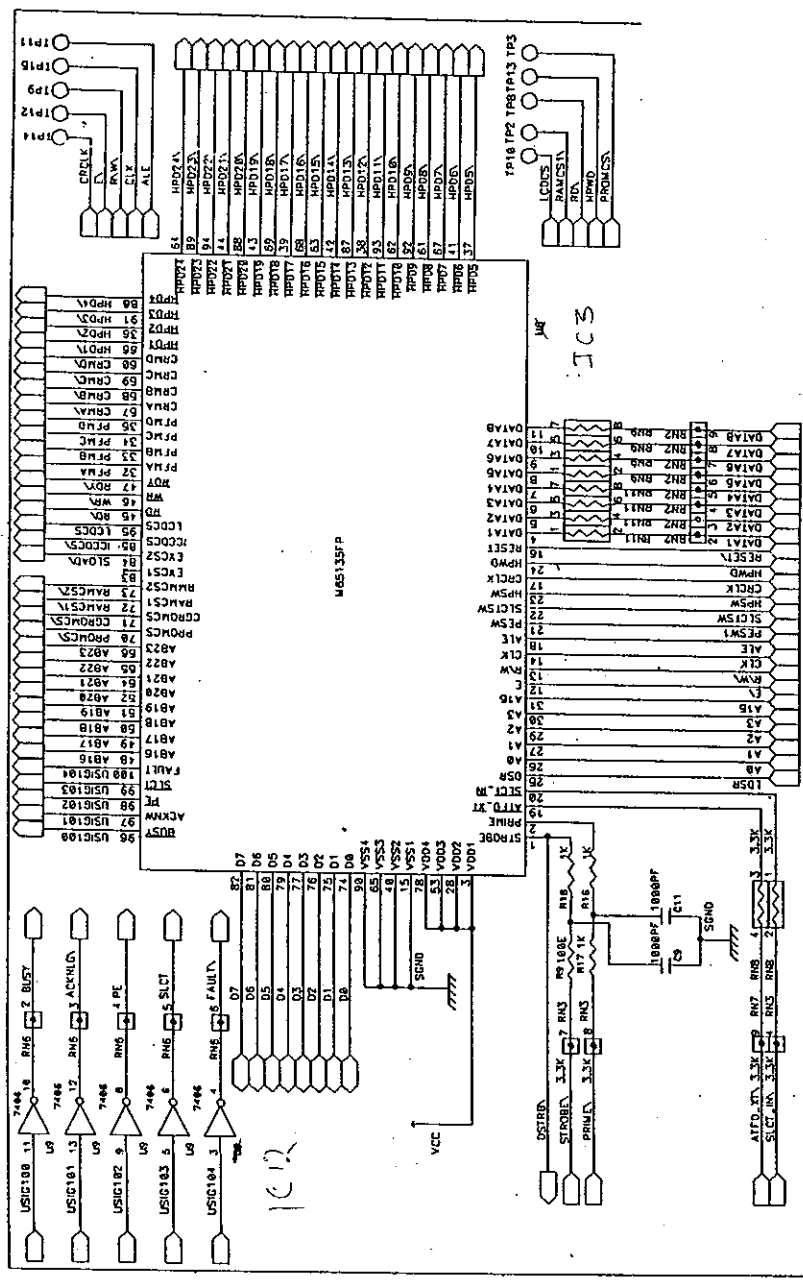
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1

2

3

4



GATE ARRAY

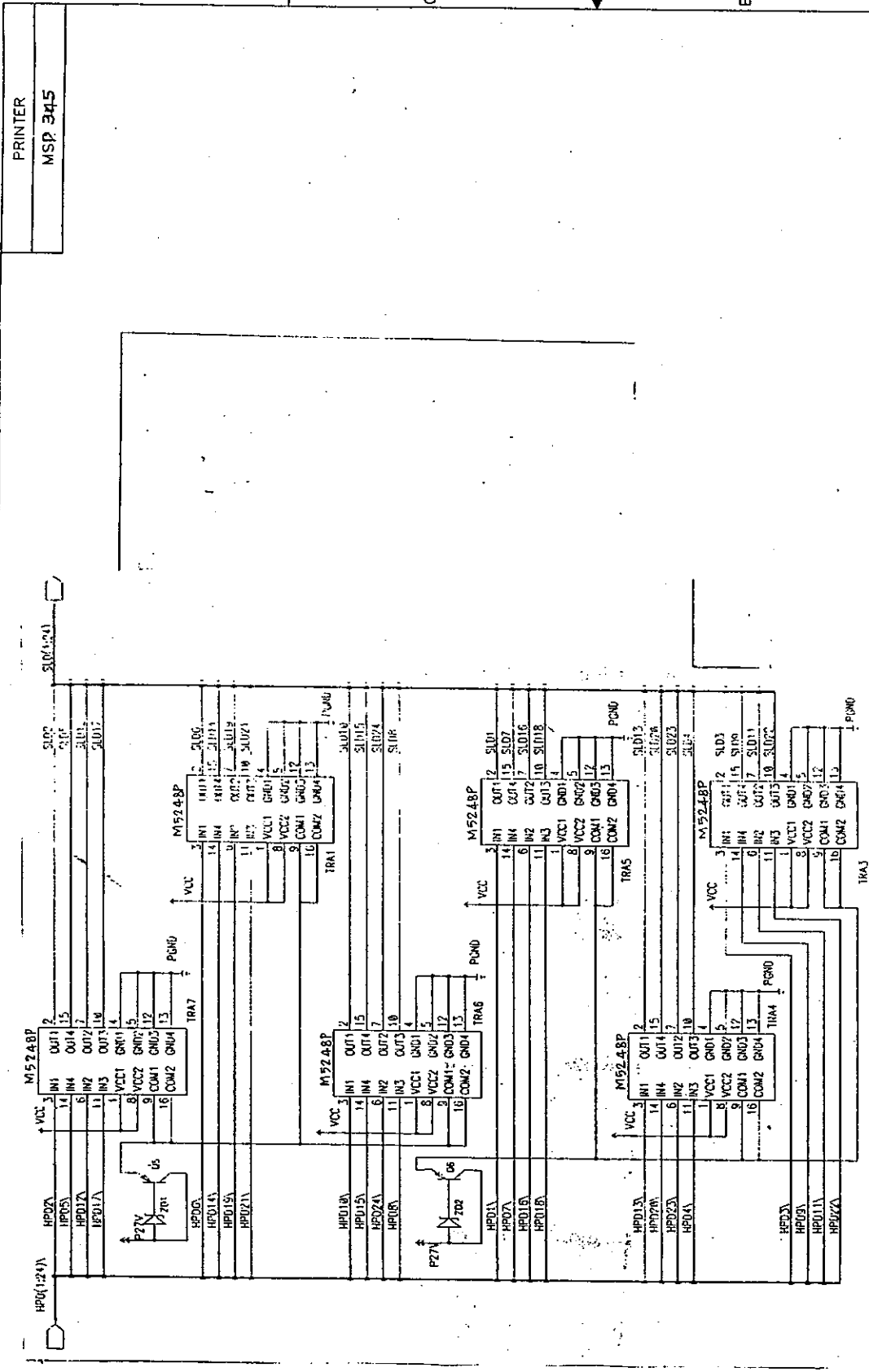
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100	25.11.87			100	25.11.87			100	25.11.87		

TITLE				SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)				DRAWN			
ALL DIMENSIONS IN MM				CHECKED				J.SUMESHA			
APPROVED				APPROVED				V.BABU			
NUMBER				NUMBER				M.R.NAIR			
1S161454				1S161454				SIZE			
A3				A3				SHEET			
TVS ELECTRONICS LIMITED				TVS ELECTRONICS LIMITED				OF 10			



OPERATION PANEL I/F

TITLE		AS PER PARTS LIST 1A161454		FINISH		DRAWN		J.S. UMESHA		24.7.97		A3	
SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)						ALL DIMENSIONS IN MM		CHECKED		V.BABU		95799	
								APPROVED		M.R. NAIR		95799	
								NUMBER		1S161454		SIZE A3	
TVS ELECTRONICS LIMITED		TVS ELECTRONICS LIMITED				SCALE NTS		SHEET 4		OF 10		REVISED B.F.	
ELECTRONICS													



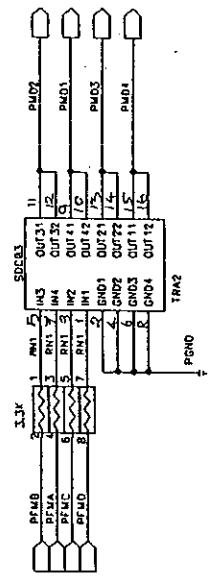
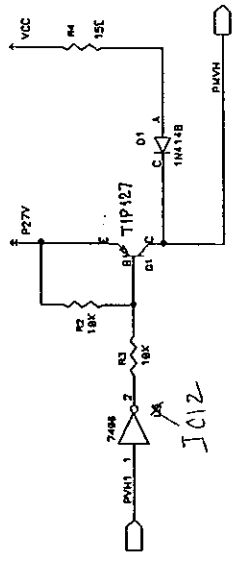
HEAD P/N DRIVER

PRINTED	MSP 345
DATE	21.11.73
DESIGNED BY	V.BABU
CHECKED BY	M.R.NAIR
APPROVED BY	
REVISION	1
REF NO.	PD355
ZONE	
MODIFICATION DETAILS	
DATE	25.7.73
APPRO.	
NEXT ASSEMBLY	
ITEM	
FINISH	
AS PER PARTS LIST 1A161454	
TITLE	SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)
DRAWN	J.S. LUMESHA
CHECKED	V.BABU
APPROVED	M.R.NAIR
NUMBER	1S161454
SCALE	NTS
SHEET	5
OF	10
REVISION	B
SIZE	A3



TVS ELECTRONICS LIMITED

PRINTER
MSE 345

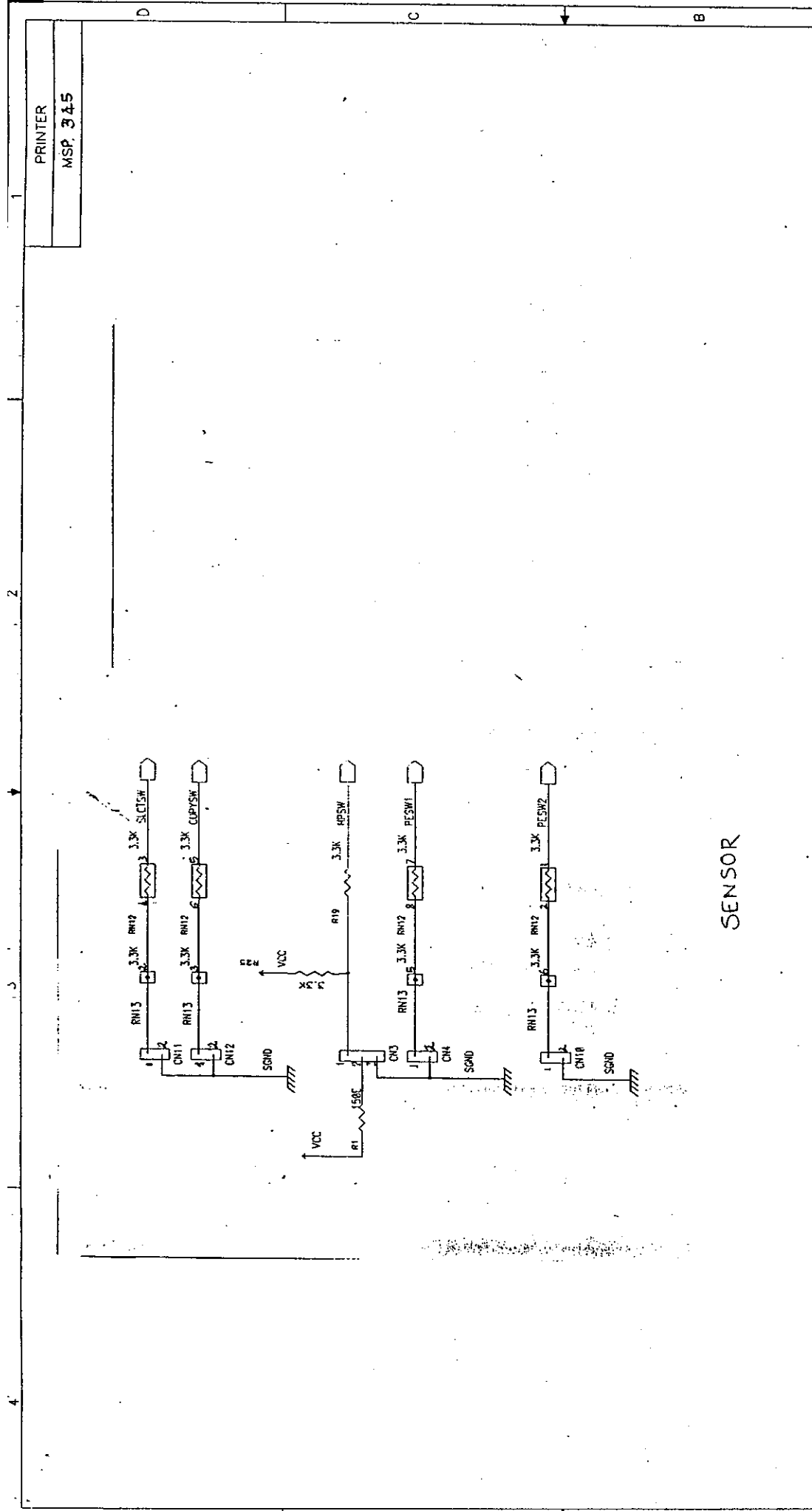


PF MOTOR DRIVER

REV	REF	ZONE	MODIFICATION DETAILS	DATE	APPROVED	ITEM
B	9575248		REFQ ECN No. 9575248.	25.11.97		
A	PD335		FIRST ISSUED	25.11.97		
MATERIAL						
AS PER PARTS LIST 1A161454						
FINISH						
TITLE						
SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)						
DRAWN						
J.SUMESHA 24.7.97						
CHECKED						
V.BABU 25.7.97						
APPROVED						
M.R.NAR 25.7.97						
NUMBER						
1S161454						
SIZE						
A3						
TVS ELECTRONICS LIMITED						
SCALE NTS SHEET 5 OF 10						

MSP 34-5

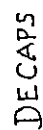
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SENSOR

PRINTER		MSP 345	
B. 957503		REFER ECM NO. 9575 168	
A. PD335		FIRST ISSUED	
REVISION REF No.		MODIFICATION DETAILS	
MATERIAL		FINISH	
AS PER PARTS LIST 1A161454			
TITLE		SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)	
TVS ELECTRONICS LIMITED		DRAWN J.S.UMESHA 24.7.97	
		CHECKED V.BABU 25.7.97	
		APPROVED M.R.NAIR 25.7.97	
		NUMBER	
		1S161454	
		SIZE A3	
		REVISION B	
		SHEET 8 OF 10	
		SCALE NTS	

91



MATERIAL										FINISH									
AS PER PARTS LIST 1A161454																			
TITLE										SCHEMATIC DIAGRAM, MAIN PCB SA (WITH ROM)									
B. 753014										REFER ECH NO. 75305268									
A. 7D335										FIRST ISSUED									
REVISION										REF No.									
ZONE										MODIFICATION DETAILS									
DMD										DATE									
APPROVED										NEXT ASSEMBLY									
ITEM										ITEM									

②