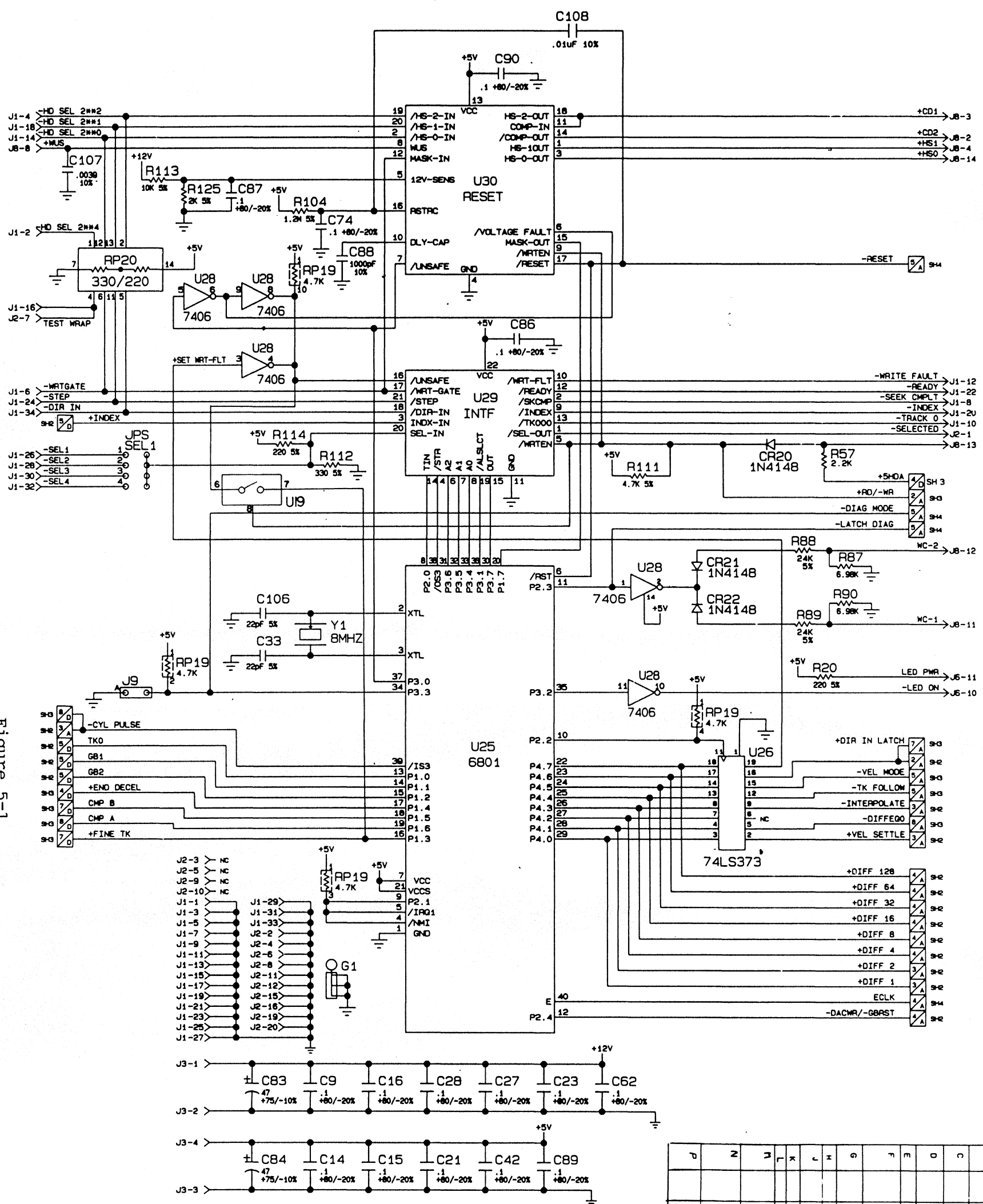


6032, 6053, 6085 PCB Schematic (Sheet 1 of 4)
 Figure 5-1
 27

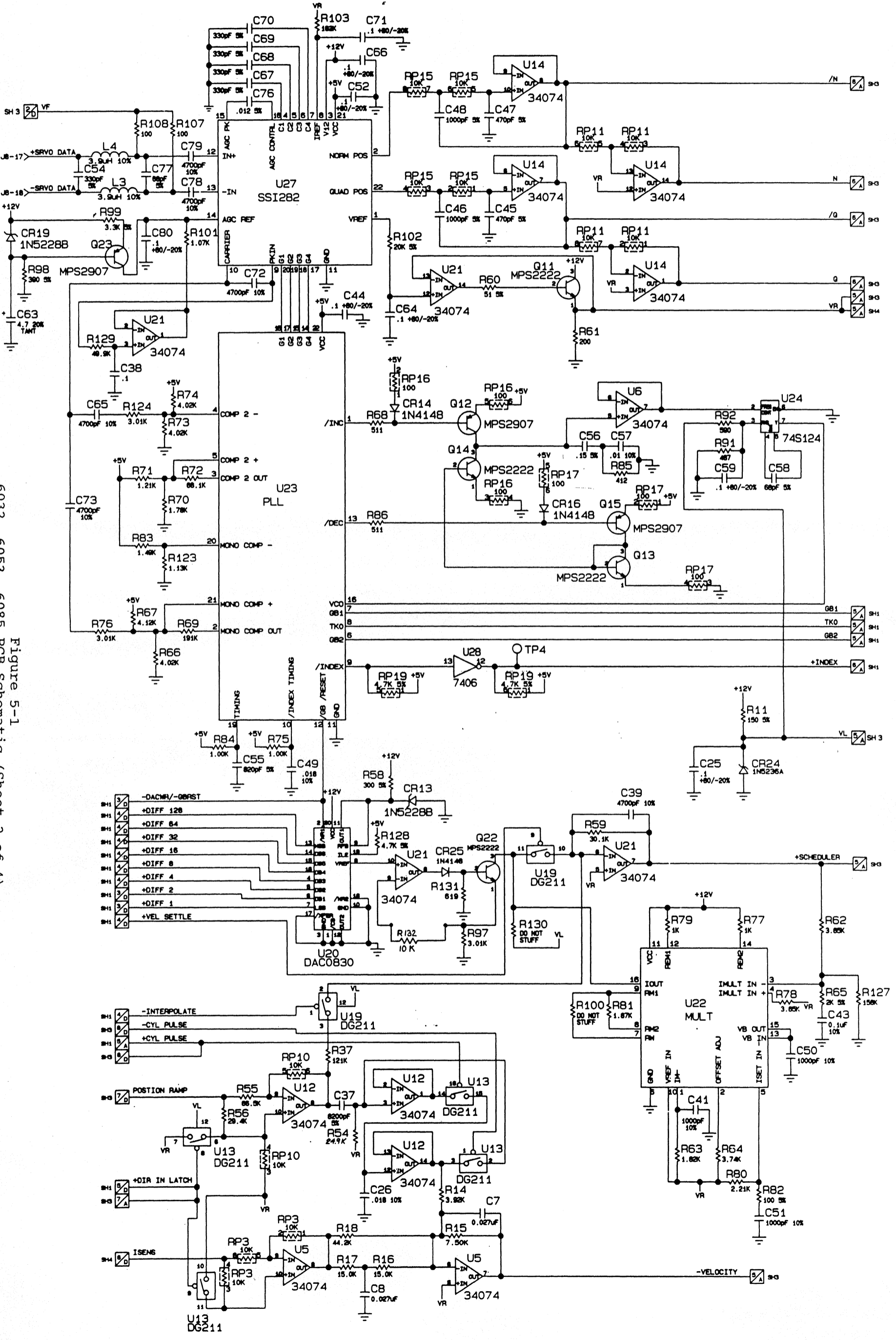


NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL CAPACITORS ARE IN MICROFARADS.
2. ALL RESISTORS ARE IN OHMS WITH A TOLERANCE OF 1%.
3. ALL RESISTOR-PACKS HAVE A TOLERANCE OF 2%.
4. LAST REFERENCE-DESIGNATOR NUMBERS USED ARE: C108, CR28, G1, J3, L11, Q24, R131, RP20, SEL1, TP4, U32, WR1, Y1.
5. REFERENCE-DESIGNATOR NUMBERS NOT USED ARE: C34, C36, J7, R1, R2, R4, R10, R13, R109

REV.	ZONE	E.C. NO.	DESCRIPTION	APPROVAL	DATE
A		70746	INITIAL RELEASE. SAME AS P2		
B		70754	REPLACE P/N 010750015 WITH HIGH SPEED INTERFACE P/N 004460100 AT LOCATION U29.		
C		70752	ADD 2.2 uF TANT CAP. TO OUTPUT OF U3 TO FILTER EFFECTS OF DAC (U3) OUTPUT. PREVENT OSCILLATION.		
D		70753	ADD .01 uF CAP TO RESET IC (U30) TO PREVENT OSCILLATION.		
E		70757	INHERD CAP. REMOVED.		
F		70763	CHANGE Q21 TO 1RFD9120. CHANGE CR27 AND CR28 TO 1N9817.		
G		70796	CR18 CHANGED FROM 1N4148 TO 1N5075 REDRAWN		
H		70792	ADD DIODE TO LATCH CIRCUIT M4004 TO Q20 AND Q21 NETWORK.		
J		70779	THREE WIRE ADD. 4 COMPONENT VALUE CHGS FOR IMPROVED SHOCK AND VIBRATION PERFORMANCE. +CODE CHG D.		
K		70798	ADD CR50 (M4004) TO LATCH CIRCUIT. NETWORK.		
L		70806	CHG CR3 TO PEKZ22A.		
M		70801	CHG R31 R32 C18 AND C19 TO LESSEN FINETRACK SENSITIVITY CHG CR27 TO O.A. RESISTOR CHG C37 FROM X7R TO NP01C0G.		
N		70805	REMOVED R8 AND CHANGED CR6 TO A DIODES CHANGED CONNECTION OF CR11 TO REDUCE STARTUP CURRENT. CHANGE COMPONENT LOCATION CR16 TO REDUCE COST. CHANGED VALUE AND CONNECTION OF R8.		
P		70815	ADD R32 IN SERIES WITH LIFTED PIN 9 OF U21. ADD R33 IN SERIES WITH THE POSITIVE LEAD OF C3. DELETE C40.		

Figure 5-1
6032, 6053, 6085 PCB Schematic (Sheet 2 of 4)



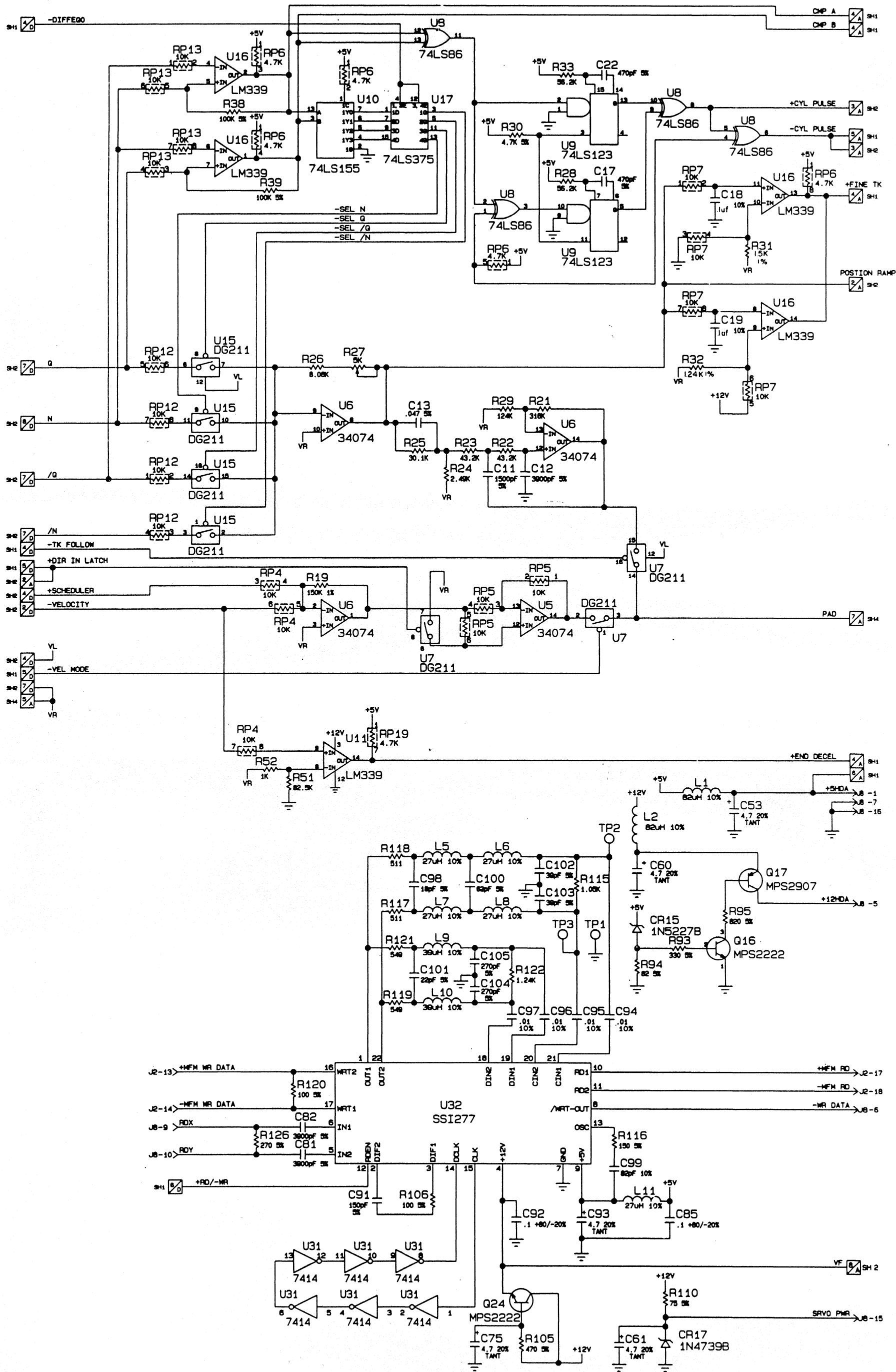
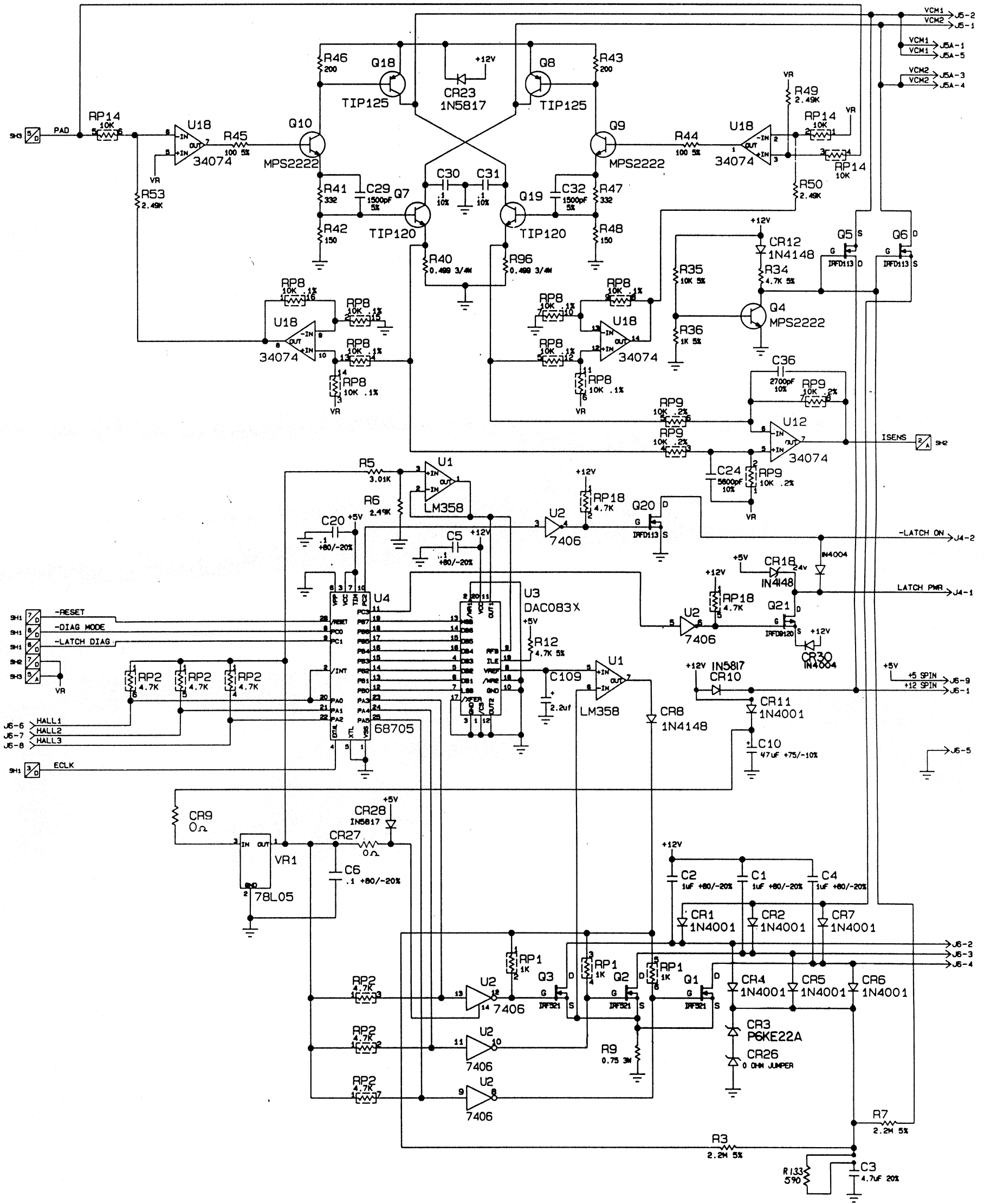
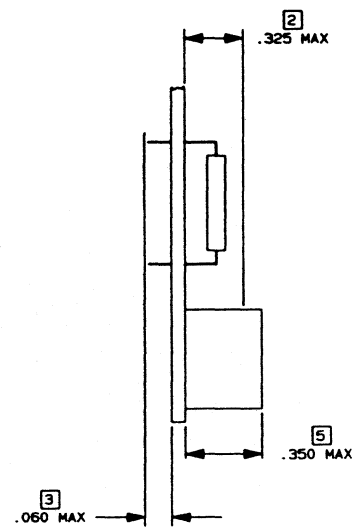
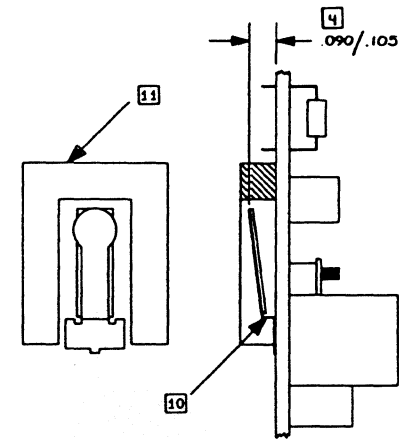
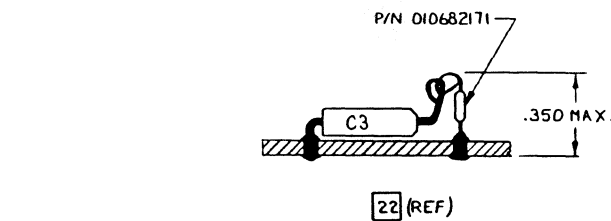


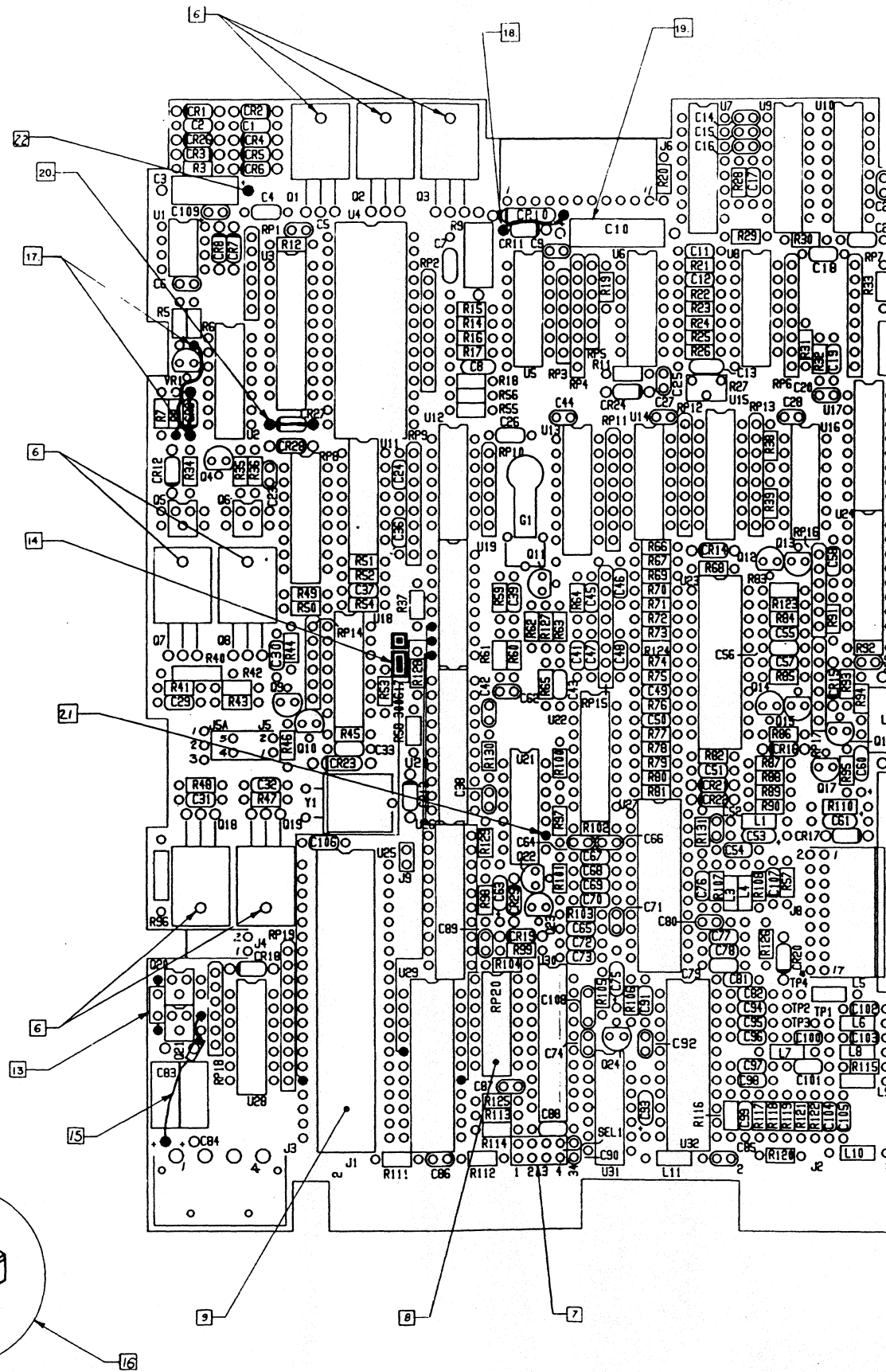
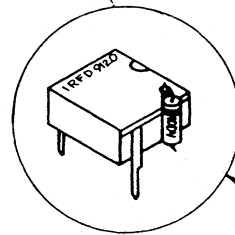
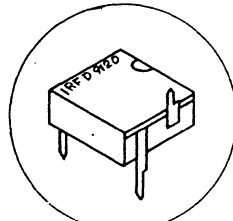
Figure 5-1
 6032, 6053, 6085 PCB Schematic (Sheet 3 of 4)
 29



6032, 6053, 6085 PCB Schematic (Sheet 4 of 4)
30



ALTERNATE METHOD



REVISIONS					
REV.	E.C. NO.	ZONE	DESCRIPTION	APPROVAL	DATE
A	70757		INITIAL RELEASE, RFQ.	DK	2-28-84
B	70763		CHANGE GROUND STRAP.		
C	70772		B.O.M. CHANGE ONLY.	DK	1-21-84
D	70786		B.O.M. CHG. C109 POLARITY SIGN ADDED	DK	2-5-84
E	70792		ADD DIODE TO LATCH CIRCUIT, ADD NOTES 13 AND 14.	D.H.	7-24-84
F	70779		FINE TRACK CHG, NEW u CODE. U8 REWORK WIRES.	SPR	7-28-84
G	70798		ADD CR30(IN4004) TO LATCH CIRCUIT, ADD NOTES 15 AND 16.	D.H.	9-17-84
H	70801		CHG CR3 TO P6KE22A	D.H.	9-17-84
J	70806		B.O.M. CHG ONLY.	SPR	10/24/84
K	70805		ADD NOTES 17, 18, 19, 20. P/N 01 WAS 00.	SC	12/14/84
L	70815		P/N 02 WAS 01 ADD NOTES 21 AND 22 CHANGE NOTES 17, 19, AND 20. DELETE C40, ADD VIEW.	SC	2/11/85

NOTES: UNLESS OTHERWISE SPECIFIED

1. PACKAGE ASSEMBLY PER MINISCRIBE SPEC NO. 10002.
2. COMPONENT HEIGHT: .350 MAX.
3. LEAD LENGTH: .060 MAX.
4. GROUND STRAP HEIGHT: .090/.105
5. POWER CONNECTOR HEIGHT: .340 MAX.
6. PENNUT LOCATIONS.
7. SEL JUMPER SHOULD BE INSTALLED ON SEL 1 LOCATION.
8. MOUNT 14 PIN SOCKET IN LOCATION RP20.
9. MOUNT 40 PIN SOCKET IN LOCATION U25.
10. INSTALL GROUND STRAP DAMPENER AS SHOWN, WITH END OF DAMPENER LOCATED FLUSH WITH ROUND END OF GROUND STRAP.
11. INSTALL SHIPPING GUARD WITH MINIMUM OF 0.03 CLEARANCE TO GROUND STRAP. REMOVE GUARD PRIOR TO BOARD MATE.
12. REFERENCE DESIGNATORS NOT USED ARE: C34, C35, J7, R1, R2, R4, R10, R13, R109
13. INSTALL IN4004 FROM Q20 TO Q21, CATHODE TO Q21.
14. MARK PCBA WITH LAST 4 DIGITS OF PART NUMBER AND REV LEVEL IN SPACE PROVIDED.
15. LIFT SOURCE LEG OF Q21, SLIDE PLASTIC TUBING OVER THE ANODE LEAD OF CR30. INSTALL CR30 (IN4004) FROM Q21 TO +2v, CATHODE TO Q21.
16. CR30 MAY ALSO BE SOLDERED TO Q21 PRIOR TO THE INSTALLATION OF Q21 PER ALTERNATE METHOD.
17. REMOVE R8 AND CR9 THEN SHORT CR9 LOCATION WITH P/N 010684006. REMOVE R6 THEN PLACE P/N 010682231 INTO THE COMPONENT HOLE OF R6 THAT CONNECTS TO PIN 3 OF U1 ON ONE SIDE. TAKE THE OTHER END AND COVER IT WITH 20 GA ELECTRICAL TUBING P/N 010337006 THEN PUT INTO THE GROUND HOLE OF R6.
18. LIFT THE ANODE OF CR11 OUT OF THE HOLE THEN HOOK AND SOLDER IT AROUND THE ANODE OF CR10.
19. C10 REPLACED WITH P/N 010686030.
20. SHORT LOCATION CR27 WITH P/N 010684006.
21. INSTALL P/N 010682289 IN SERIES WITH LIFTED PAD.
22. INSTALL P/N 010682171 IN SERIES WITH POSITIVE LEAD OF C3. (AS SHOWN)

Figure 5-2
PCB Assembly Drawing 6032, 6053, 6085
31

REVISIONS					
REV.	ZONE	E.C. NO.	DESCRIPTION	APPROVAL	DATE
A		70825	INITIAL RELEASE SAME AS P1		

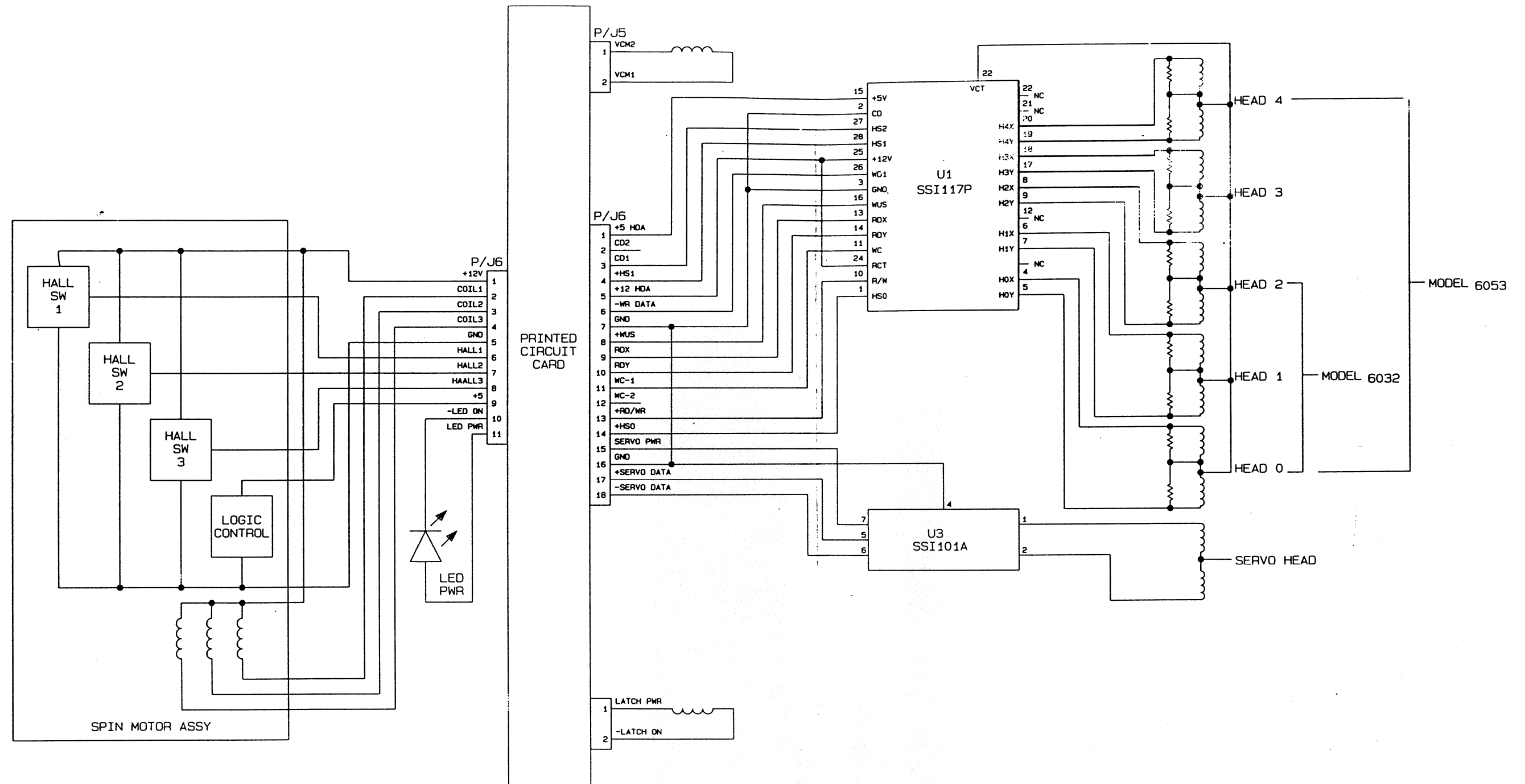


Figure 5-3
6032, 6053 HDA Schematic
32

REVISIONS					
REV.	ZONE	E.C. NO.	DESCRIPTION	APPROVAL	DATE
A		70025	INITIAL RELEASE SAME AS P1		

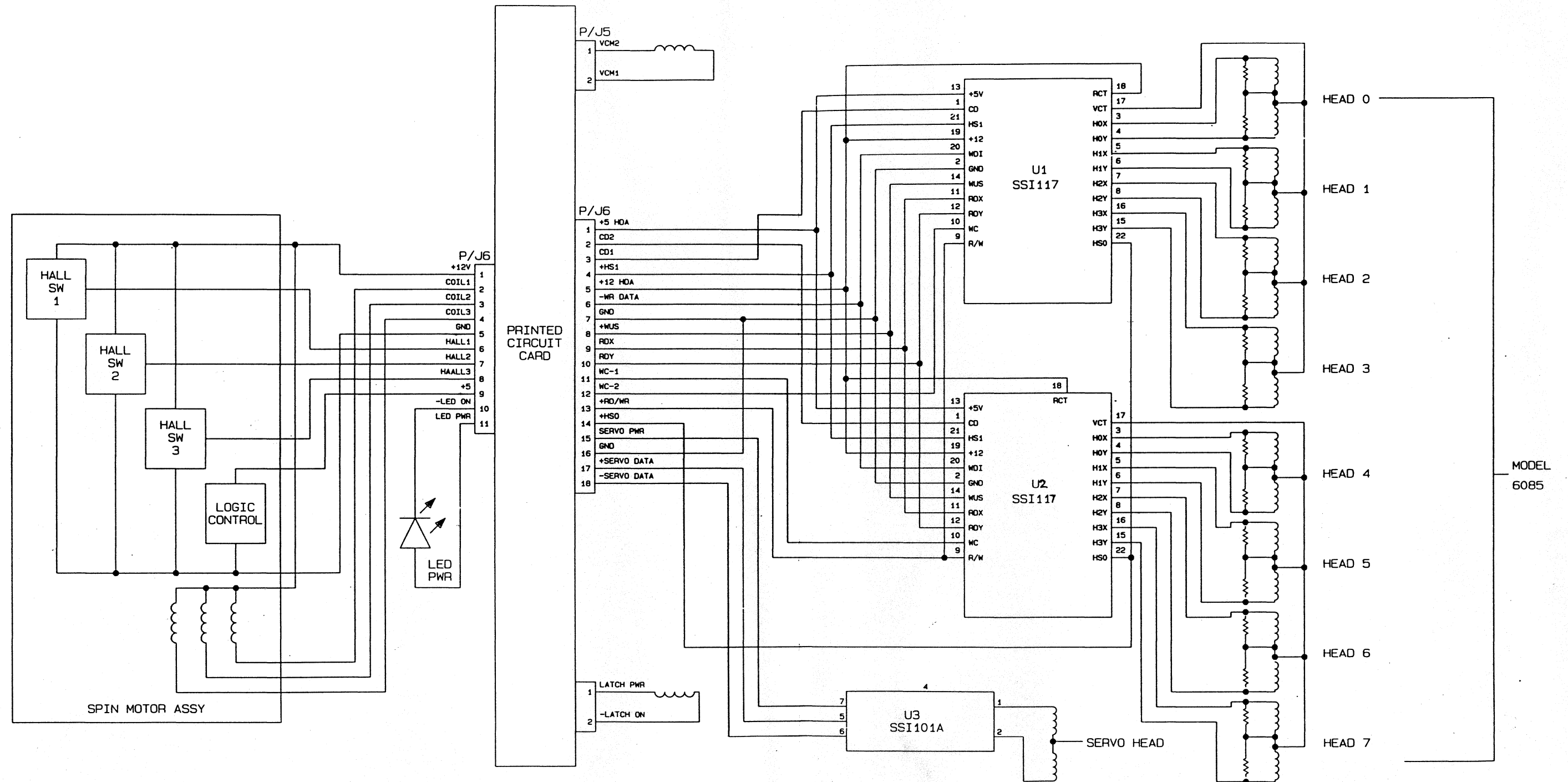


Figure 5-4
6085 HDA Schematic
33