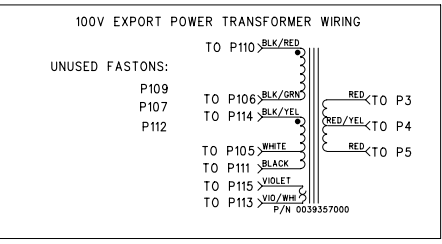
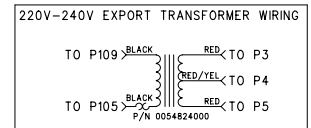
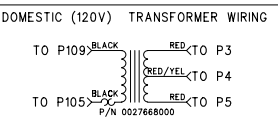
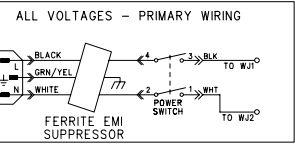


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR 574	16-MAR-04	L.E.L.
B	EC 3097	20-MAY-04	L.E.L.

ALL FASTONS ARE 0.250" EXCEPT P105, P111-112, P115 WHICH ARE 0.187"

F1 FUSE USAGE TABLE	
100V - 120V	220V - 230V
F2A (250V)	F1A (250V)
AUSTRALIA 240V ONLY	
F1A (250V)	



8. UNUSED: C29,67,77,78,90,94,92,5,6,P9-104,P108,R121,116,129-11,TP19,J14.
 7. LAST REFERENCE DESIGNATOR: C100, D57, F1, J7, P115,Q27, PWR159, R11, S1, TP27,U12,W1,W2
 6. AC AND DC VOLTAGES ARE READ TO GROUND WITH A DVM UNDER THE FOLLOWING CONDITIONS:
 UNIT AT RATED LINE VOLTAGE
 8 OHM RESISTIVE LOAD CONNECTED TO P1/P2
 NO FOOTSWITCH CONNECTED
 CH SEL SWITCH PUSHED IN (RED LED ON)
 FX LEVEL CONTROL AT FULL CCK, DRIVE CONTROL AT "3"
 ALL OTHER CONTROLS AT "0 1/2", TAMBRE FILTER "FLAT"
 JACK INSERTED AT J1
 NO INPUT SIGNAL (TP1-12)
 ADDITIONAL CONDITIONS (TP15-27):
 90V 50HZ SINEWAVE INPUT TO J1
 5. THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0062127000 AND PCB ASSEMBLY P/N 0062128000.
 4. ALL DIODES ARE 1N4448.
 3. ALL POLARIZED CAPACITORS IN UF, 10% OR BETTER; 50V MINIMUM.
 2. ALL UNPOLARIZED CAPACITORS IN UF, 10% OR BETTER; 50V MINIMUM.
 1. ALL RESISTORS IN OHMS, 5% 1/4W

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Fender MUSICAL INSTRUMENTS
 Corona, CA USA

CHECKED BY: _____ DATE: _____
 TITLE: SERVICE DIAGRAM, COMBINED (schematic)
 PRINCETON 650
 APPROVED BY: _____ DATE: _____
 SIZE: DRAWING NUMBER: _____ REV. _____
 D 0062129000 B
 DRAWN: L.E.L. ENGR: LORENSEN
 DATABASE FILE: Z5745.SCH
 RELEASE DATE: 16-MAR-03 SHEET: 1 OF 2

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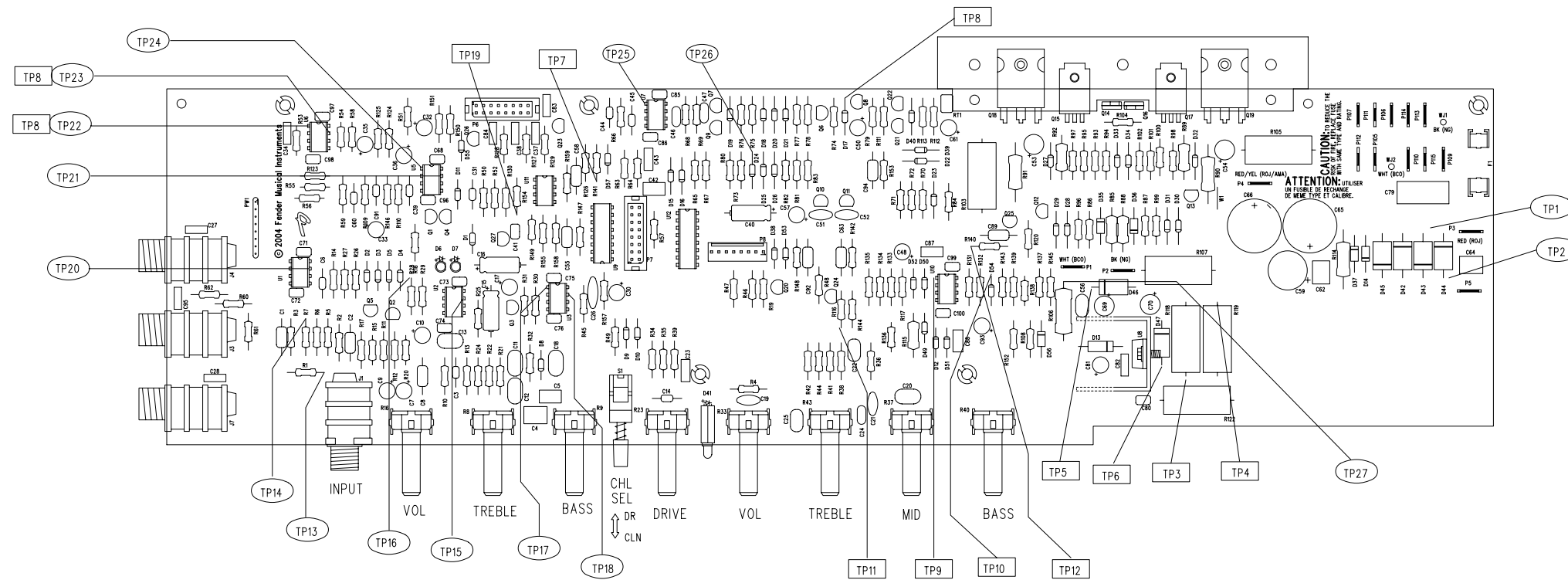
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR574	16-MAR-04	L E L
B	EC 3097	20-MAY-04	L E L



FILM/DWG: SERVICE DIAGRAM
 DATABASE: Z574P.PCB DATE: 20-MAY-04

2. MICRO-DSP ASSEMBLY P/N 0057801008 MUST BE CONNECTED TO P6 FOR TEST.
 1. SEE SHEET 1 FOR PRIMARY WIRING, TEST CONDITIONS AND TESTPOINT VALUES.
 NOTES: (UNLESS OTHERWISE NOTED)

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CHECKED BY: _____	DATE: _____	TITLE: SERVICE DIAGRAM, COMBINED (PCB assy) PRINCETON 650 MAIN PCB	
APPROVED BY: _____	DATE: _____	SIZE: D DRAWING NUMBER: 0062129000	REV.: B
DRAWN: P. CORBIN	ENGR: L. LORENSEN	RELEASE DATE: 16-MAR-04	SHEET 2 OF 2
DATABASE FILE: Z574P.PCB			

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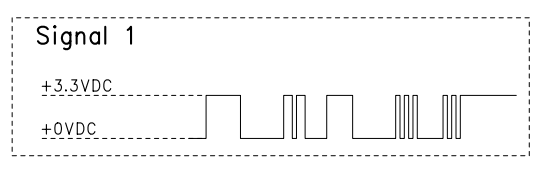
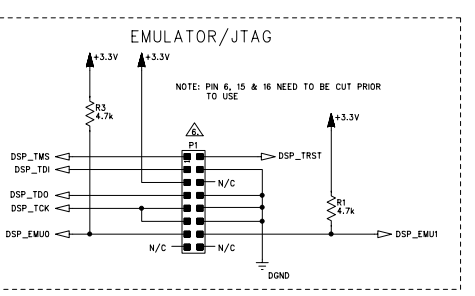
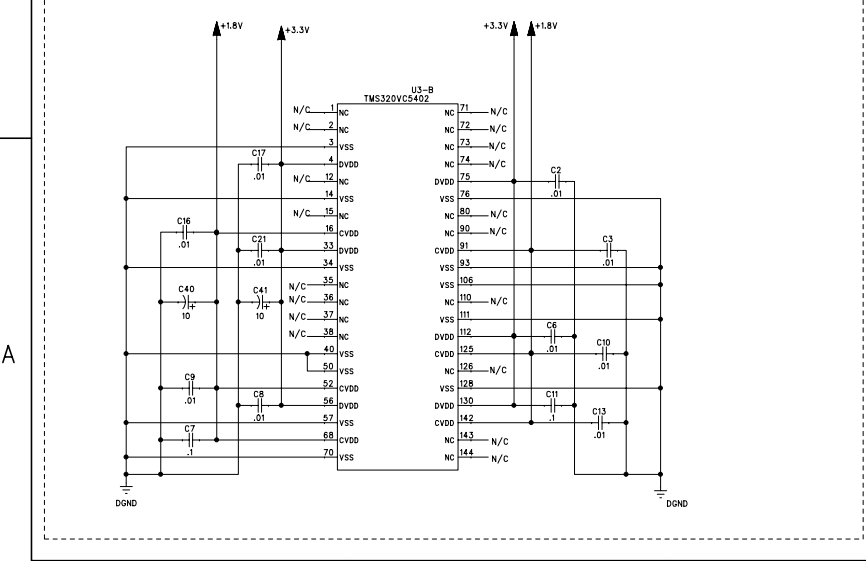
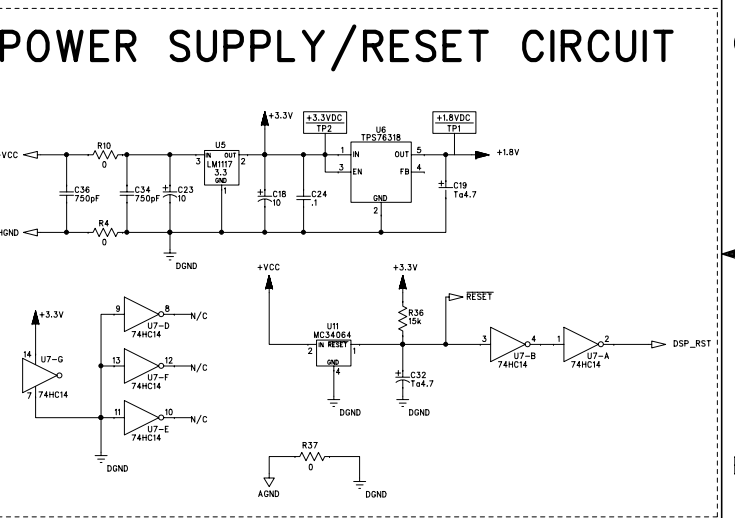
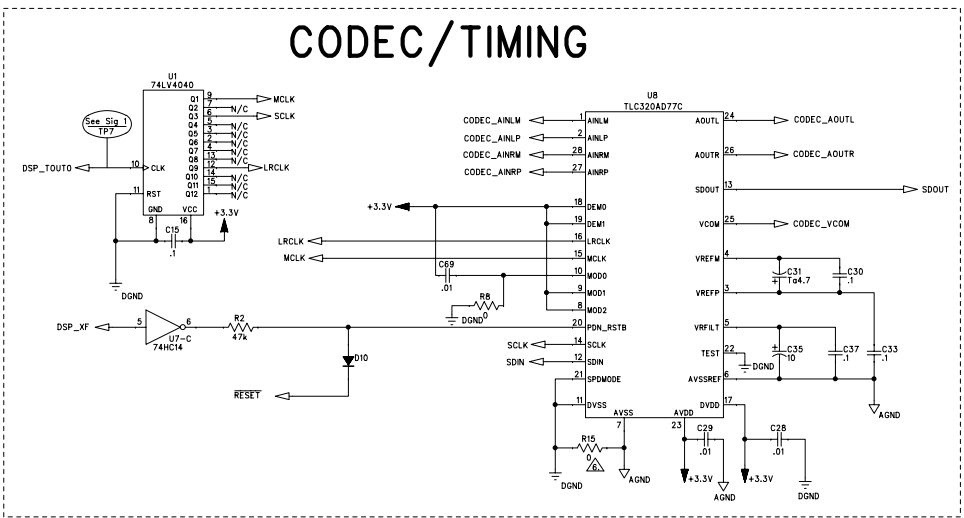
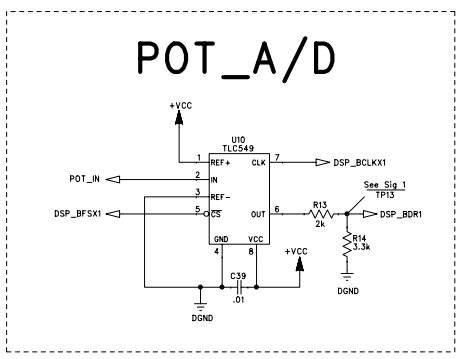
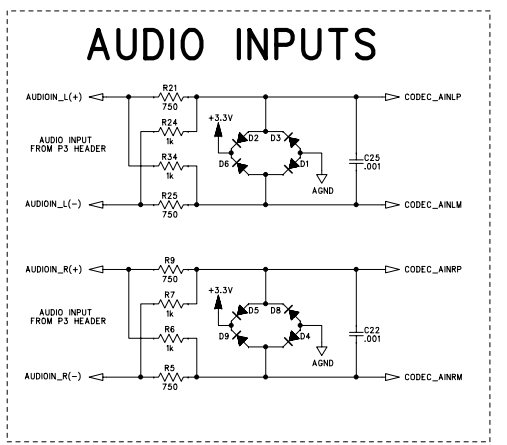
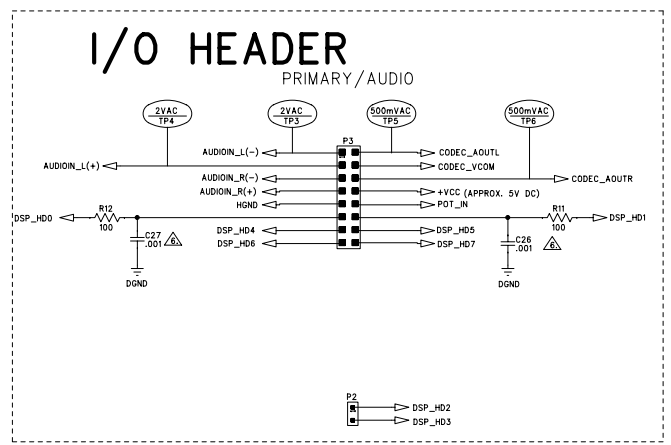
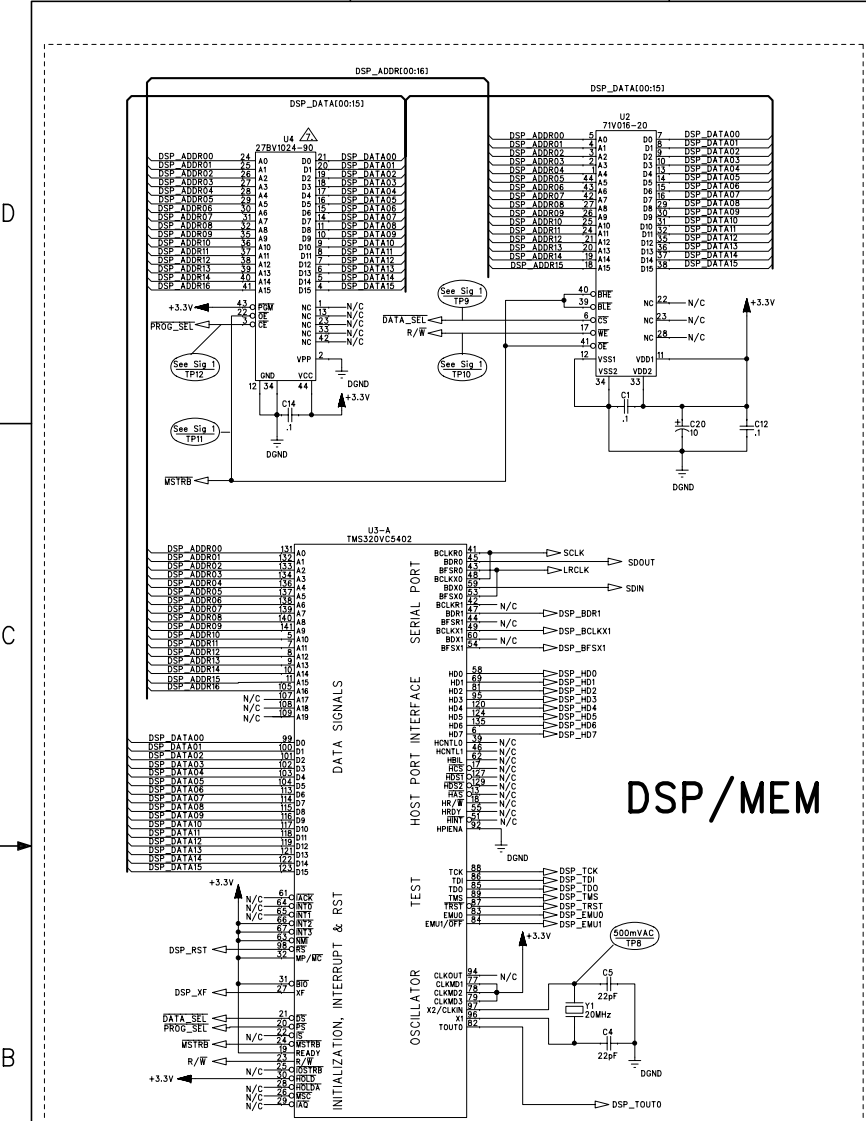
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR480	29-NOV-01	J T L
B	EC 2743	07-MAR-02	J T L
C	EC 2789	10-JUN-02	J C S
D	PR542	25-APR-03	R J D



- NOTES: (UNLESS OTHERWISE NOTED)
- INSTALL IC IN SOCKET. FENDER P/N 0056585005
 - DO NOT STUFF C26-27, P1, R15.
 - THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0057284000 AND PCB ASSEMBLY P/N 0057285000.
 - ALL DIODES ARE 1N4148.
 - ALL POLARIZED CAPACITORS IN uF, 20% 15V MINIMUM.
 - ALL UNPOLARIZED CAPACITORS IN uF, 10% OR BETTER; 16V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20%).
 - ALL RESISTORS IN OHMS, 5% 1/10W.

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Fender MUSICAL INSTRUMENTS
 Corona, CA U.S.A.

CHECKED BY: _____
 DATE: _____
 APPROVED BY: _____
 DATE: _____
 DRAWN: J. Jimenez ENGR: J. Lamb
 DATABASE FILE: Z4815.SCH

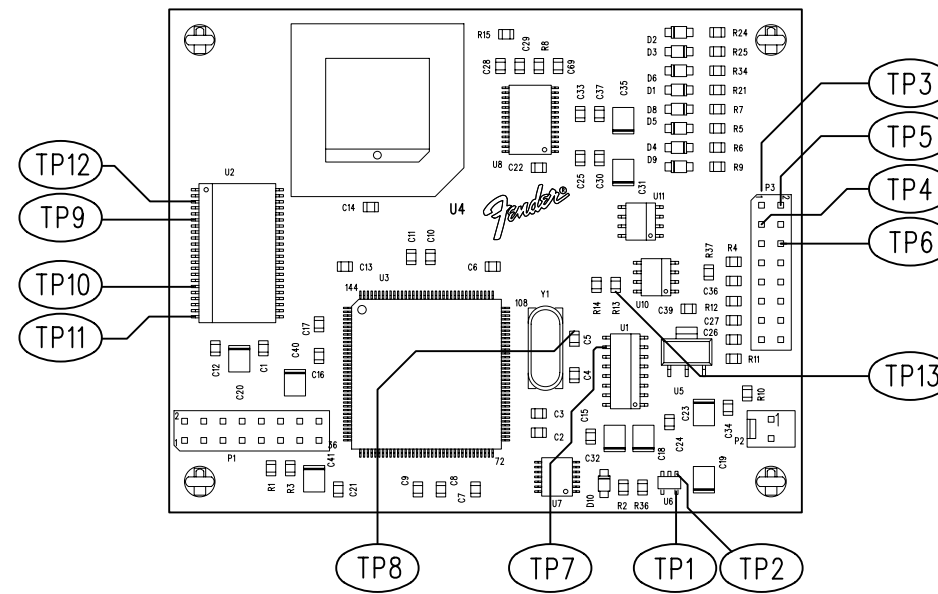
TITLE: SERVICE DIAGRAM, COMBINED (schematic) MICRO DSP

SIZE: **D** DRAWING NUMBER: **0057283000** REV. **D**

RELEASE DATE: 29-NOV-01 SHEET: 1 OF 2

REVISIONS


REV.	DESCRIPTION	DATE	APPROVED
A	PR480	30-NOV-01	J T L
B	EC 2743	07-MAR-02	J T L
C	EC 2789	10-JUN-02	J C S
D	PR542	25-APR-03	R J D



FILM/DWG: SERVICE DIAGRAM
 DATABASE: Z481P.PCB DATE: 25-APR-03

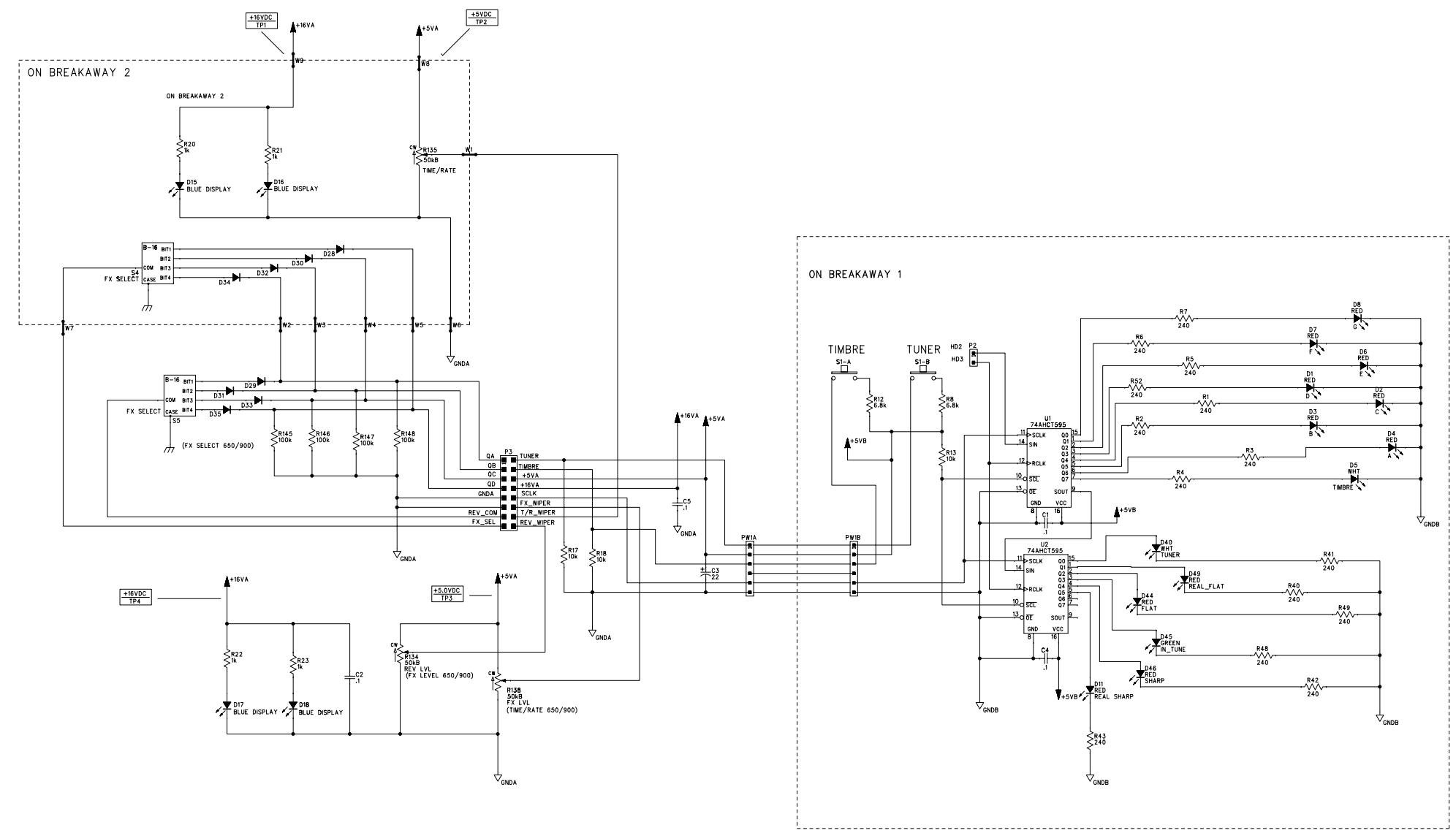
1. SEE SHEET 1 FOR TEST CONDITIONS AND TEST POINT VALUES.

NOTES: (UNLESS OTHERWISE NOTED)

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CHECKED BY: _____ DATE: _____		TITLE: SERVICE DIAGRAM, COMBINED (PCB assy) uDSP SERIES	
APPROVED BY: _____ DATE: _____		SIZE B	DRAWING NUMBER 0057283000
DRAWN: J. Jimenez	ENGR: J. Lamb	REV. D	
DATABASE FILE: Z481P.PCB		RELEASE DATE: 30-NOV-01	SHEET 2 OF 2

8 7 6 5 4 3 2 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR572	16-MAR-04	LEL



- NOTES: (UNLESS OTHERWISE NOTED)
1. ALL RESISTORS IN OHMS, 5%; 1/4W.
 2. ALL UNPOLARIZED CAPACITORS IN uF, 10% OR BETTER; 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20%).
 3. ALL POLARIZED CAPACITORS IN uF, 20%; 50V MINIMUM.
 4. ALL DIODES ARE 1N4448.
 5. THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0055367000 AND PCB ASSEMBLIES P/N 0055367000 and 0064106000.
 6. ITEMS ON BREAKAWAY 2 ARE NOT STUFFED FOR PRINCETON 650 AND DELUXE 900.
 7. ALL VOLTAGES ARE +/- 10%.

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Fender MUSICAL INSTRUMENTS
Corona, CA U.S.A.

CHECKED BY: _____
DATE: _____

APPROVED BY: _____
DATE: _____

DRAWN: LORENZEN ENGR: LORENZEN
DATABASE FILE: Z572P25.SCH

TITLE: SERVICE DIAGRAM, COMBINED (schematic)
TUNER/TIMBRE DISPLAY PCB

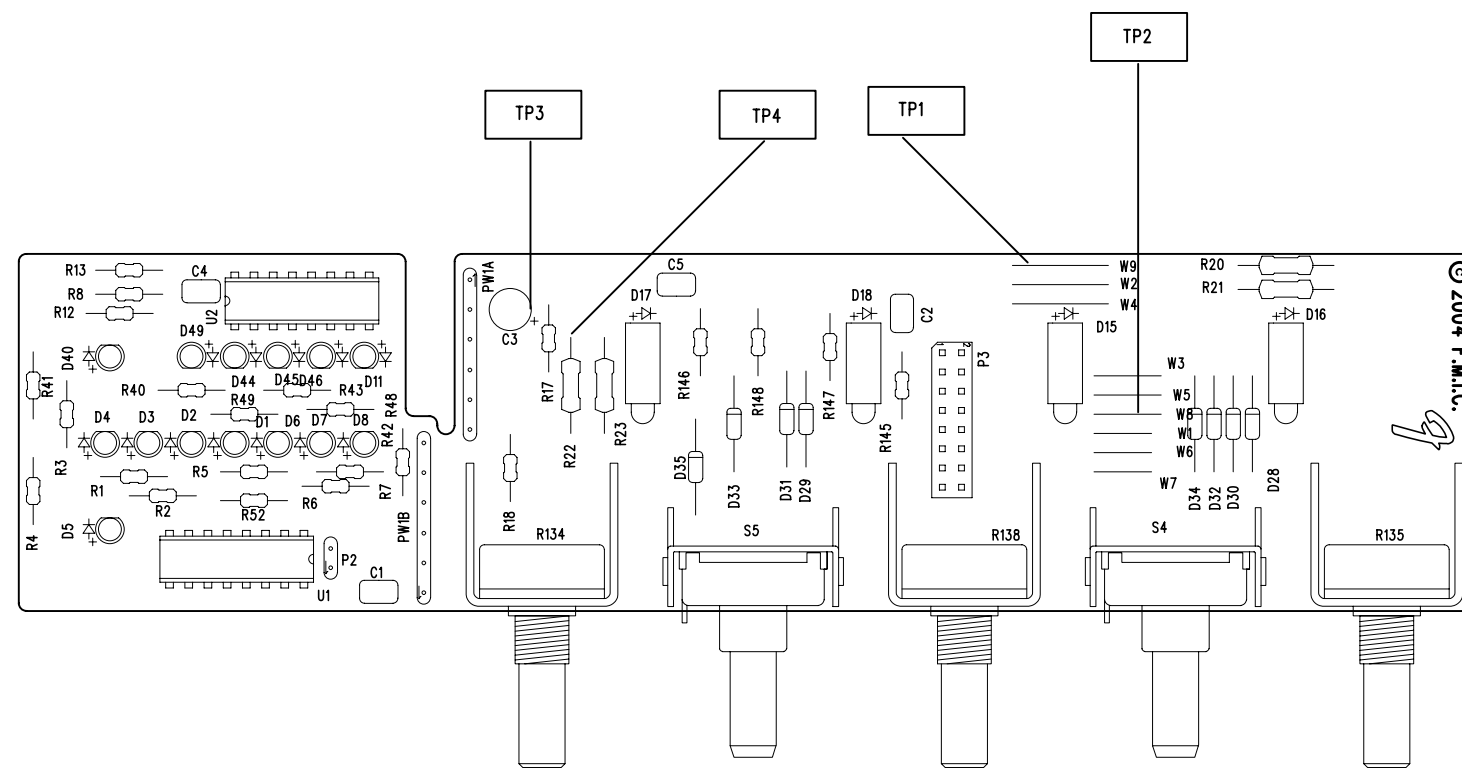
SIZE: **D** DRAWING NUMBER: **0054426000** REV. **A**

RELEASE DATE: 16-MAR-03 SHEET: 1 OF 2

8 7 6 5 4 3 2 1


REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	PR572	16-MAR-04	L.E.L.



FILM/DWG: SERVICE DIAGRAM
 DATABASE: Z572P2.PCB DATE: 16-MAR-04

NOTES: (UNLESS OTHERWISE NOTED)

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CHECKED BY: _____ DATE: _____		TITLE: SERVICE DIAGRAM, COMBINED (PCB assy) TUNER/VOICE DISPLAY PCB	
APPROVED BY: _____ DATE: _____		SIZE B	DRAWING NUMBER 0054426000
DRAWN: PCORBIN ENGR: LORENZEN	DATABASE FILE: Z572P2.PCB	RELEASE DATE: 16-MAR-04	REV. A SHEET 2 OF 2