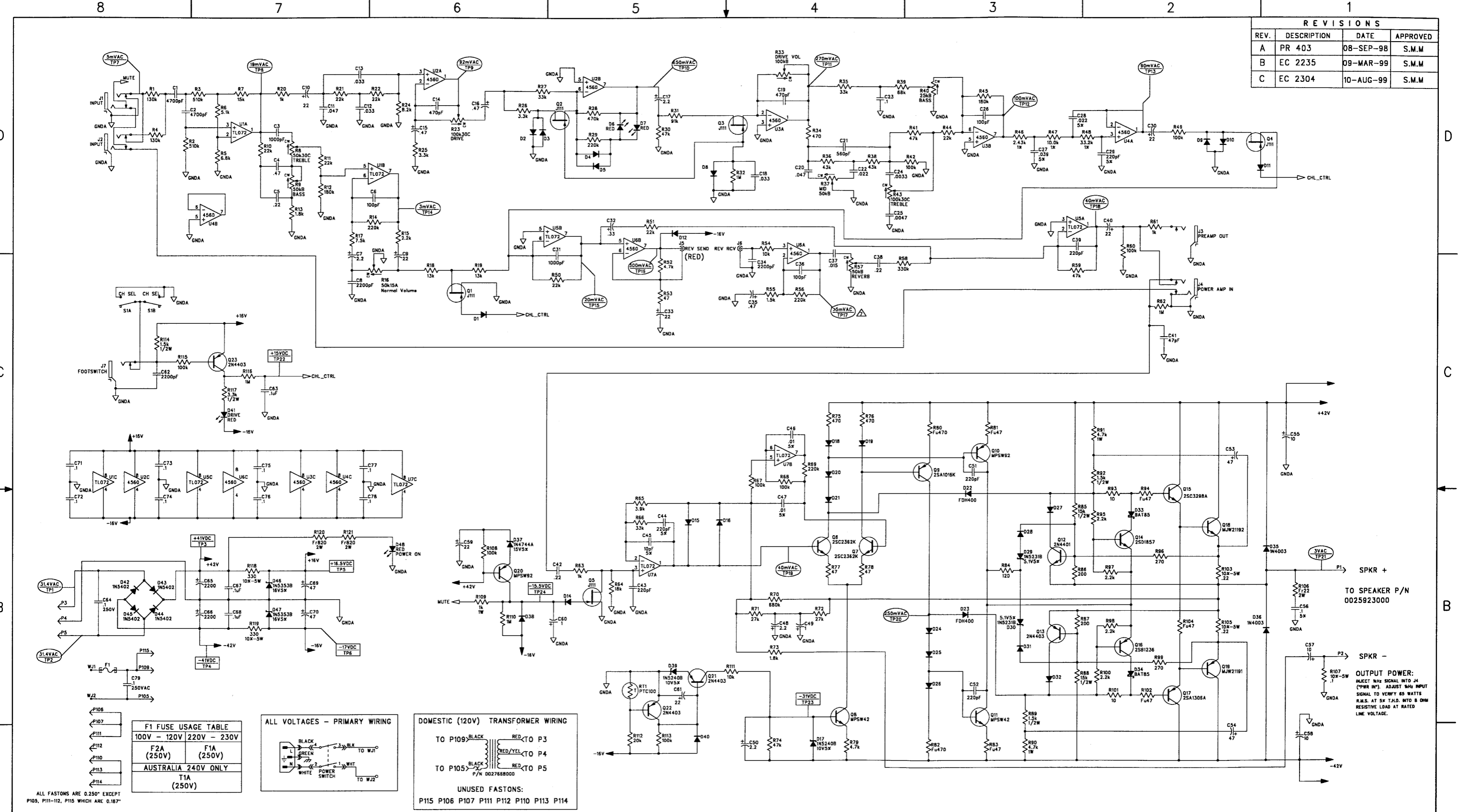


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR 403	08-SEP-98	S.M.M
B	EC 2235	09-MAR-99	S.M.M
C	EC 2304	10-AUG-99	S.M.M



F1 FUSE USAGE TABLE

100V - 120V	220V - 230V
F2A (250V)	F1A (250V)
AUSTRALIA 240V ONLY	
T1A (250V)	

ALL FASTONS ARE 0.250" EXCEPT P105, P111-112, P115 WHICH ARE 0.167"

TYPICAL POWER ON/OFF SWITCH

REAR VIEW

ALL VOLTAGES - PRIMARY WIRING

DOMESTIC (120V) TRANSFORMER WIRING

TO P109 BLACK
TO P105 BLACK

RED TO P3
RED/YEL TO P4
RED TO P5

UNUSED FASTONS:
P115 P106 P107 P111 P112 P110 P113 P114

220V - 240V EXPORT TRANSFORMER WIRING

UNUSED FASTONS:
P109 TO P106 (BLK/GRN)
P111 TO P107 (BLK/YEL)
P114 TO P112 (WHITE)
TO P105 (BLACK)
TO P115 (VIOLET)
TO P113 (VIO/WH)

RED TO P3
RED/YEL TO P4
RED TO P5

100V EXPORT POWER TRANSFORMER WIRING

UNUSED FASTONS:
P109 TO P106 (BLK/GRN)
P107 TO P114 (BLK/YEL)
P112 TO P105 (WHITE)
TO P111 (BLACK)
TO P115 (VIOLET)
TO P113 (VIO/WH)

RED TO P3
RED/YEL TO P4
RED TO P5

NOTES: (UNLESS OTHERWISE NOTED)

- AC AND DC VOLTAGES ARE READ TO GROUND WITH A DVM UNDER THE FOLLOWING CONDITIONS:
UNIT AT RATED LINE VOLTAGE
REVERB CONTROL AT FULL CCW, DRIVE CONTROL AT "3"
CONNECT USING DUAL RCA JACK CABLE P/N 0025722000 OR EQUIVALENT
CONNECT RED CONNECTORS TO J5 AND PAN INPUT
8 OHM RESISTIVE LOAD CONNECTED TO P1/P2
NO FOOTSWITCH CONNECTED
CH SEL SWITCH PUSHED IN (RED LED ON)
REVERB CONTROL AT FULL CCW, DRIVE CONTROL AT "3"
ALL OTHER CONTROLS AT "0"
- NO INPUT SIGNAL (TP1-8, TP23 ONLY)
ADDITIONAL CONDITIONS (TP7-22, TP24):
5mV 1kHz SINEWAVE INPUT TO J1
- THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0051314000 AND PCB ASSEMBLY P/N 0054315000.
- ALL DIODES ARE 1N4448.
- ALL POLARIZED CAPACITORS IN uF, 20%; 50V MINIMUM.
- ALL UNPOLARIZED CAPACITORS IN uF, 10% OR BETTER; 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20%).
- ALL RESISTORS IN OHMS, 5%; 1/4W.

9. LAST REFERENCE DESIGNATOR: C78, D48, Q23, R121, RT1, U7, P115

10. REFERENCE DESIGNATORS NOT USED: P6-P104, P108

11. TP17 CAN VARY FROM 5-500mVAC AND IS DEPENDENT UPON SPECIFIC EXCITATION FREQUENCY AND PARTICULAR REVERB PAN FREQUENCY RESPONSE.

THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS LIMITED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS.

CHECKED BY: *[Signature]*
DATE: 10/AUG/99

APPROVED BY: *[Signature]*
DATE: 10/AUG/99

DRAWN: R.MURRAY ENGR: S.MARSHALL

DATABASE FILE: Z4035.SCH

Fender MUSICAL INSTRUMENTS
2621 Research Drive
Corona, CA 91720 USA

TITLE: SERVICE DIAGRAM, COMBINED (schematic)
PRINCETON 65

SIZE: **D** DRAWING NUMBER: **0054316000** REV. **C**

RELEASE DATE: 08-SEP-98 SHEET: 1 OF 2

8

7

6

5

4

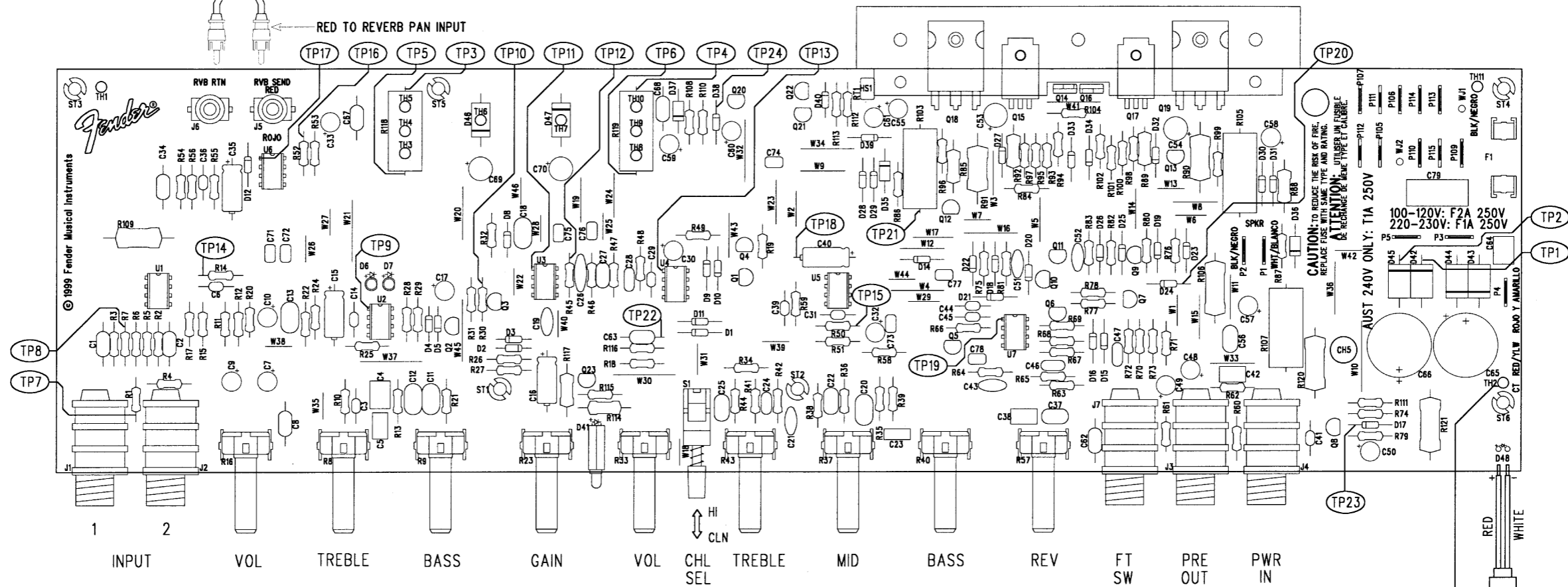
3

2

1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR 403	08-SEP-98	SMM
B	EC 2235	09-MAR-99	SMM
C	EC 2304	10-AUG-99	SMM

NOTE: CONNECT TO REVERB PAN P/N 0028055000
USING CABLE P/N 0025722000.

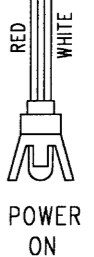


CAUTION: TO REDUCE THE RISK OF FIRE,
REPLACE FUSE WITH SAME TYPE AND RATING.
ATTENTION: UTILISER UN USABLE
DE RECHANGE DE MÊME TYPE ET CALIBRE.

AUST 240V ONLY: T1A 250V

100-120V: F2A 250V
220-230V: F1A 250V

NOTE: TIE EXCESS WIRE FROM D48
TO TH2 USING CABLE TIE.



FILM/DWG: SERVICE DIAGRAM
DATABASE: Z403P.PCB DATE: 12-MAR-99

1. SEE SHEET 1 FOR PRIMARY, WIRING, TEST CONDITIONS
& TEST POINT VALUES.

NOTES: (UNLESS OTHERWISE NOTED)

THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS SUBMITTED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS.		MUSICAL INSTRUMENTS 2621 Research Drive Corona, CA 91720 USA	
CHECKED BY: <i>R. Murray</i>	DATE: 10 AUG 99	TITLE: SERVICE DIAGRAM, COMBINED (PCB assy) PRINCETON 65	
APPROVED BY: <i>S. Marshall</i>	DATE: 10 AUG 99	SIZE: C	DRAWING NUMBER: 0054316000
DRAWN: R.MURRAY	ENGR: S.MARSHALL	RELEASE DATE: 08-SEP-98	REV: C
DATABASE FILE: Z403P.PCB		SHEET: 2	OF 2

8

7

6

5

4

3

2

1