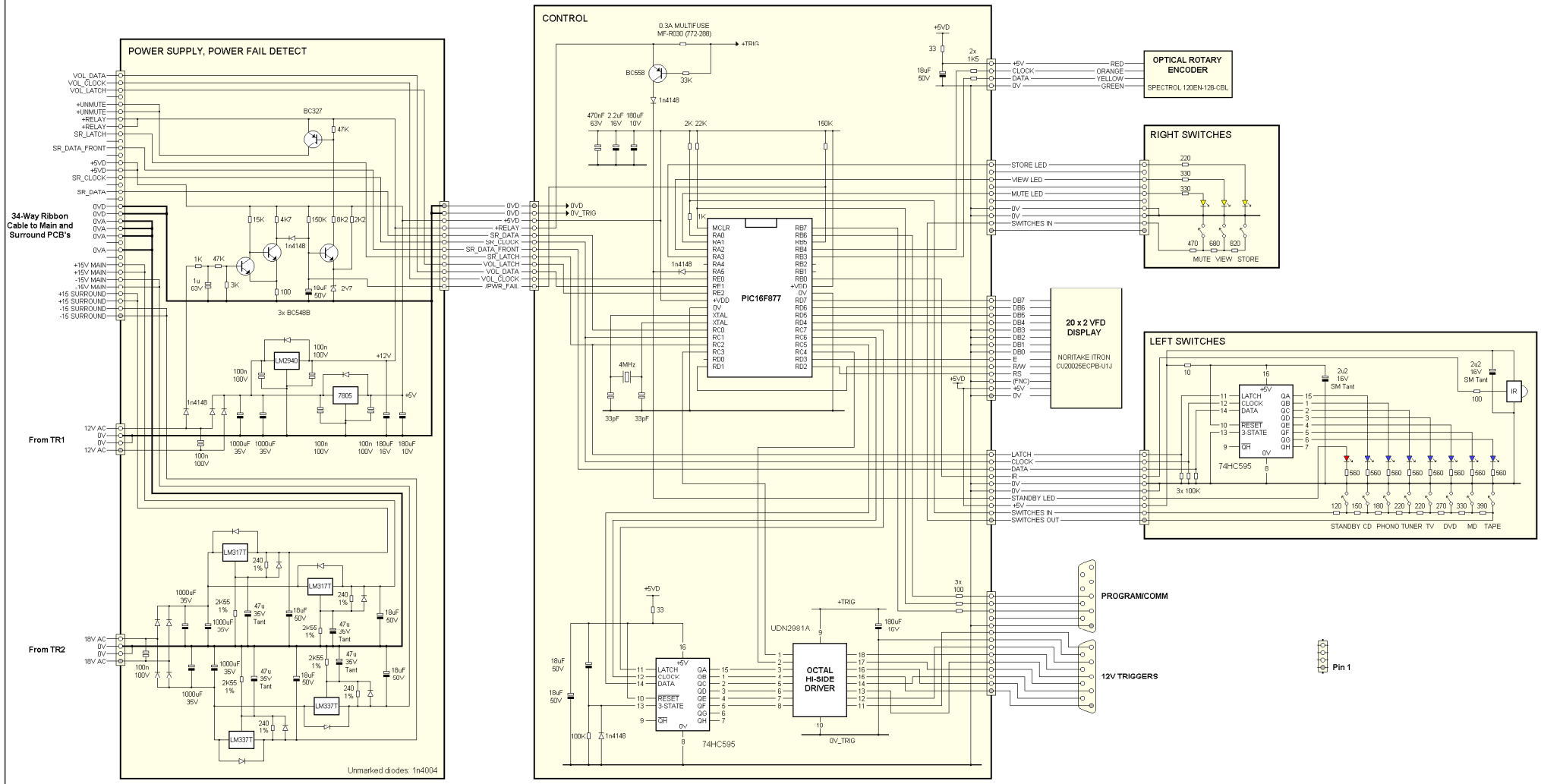
POWER SUPPLY, POWER FAIL DETECT
CONTROL
34-Way Ribbon Cable to Main and Surround PCB's
From TR1
From TR2
VOL_DATA
VOL_CLOCK
VOL_LATCH
+UNMUTE
+RELAY
SR_LATCH
SR_DATA_FRONT
SR_CLOCK
SR_DATA
0VD
0VA
+15V MAIN
-15V MAIN
+15 SURROUND
-15 SURROUND
12V AC
18V AC
0V
BC327
47K
15K
4K7
150K
8K2
2K2
1n4148
1K
3K
100
18uF 50V
2V7
3x BC548B
LM2940
100n 100V
+12V
7805
+5V
1000uF 35V
180uF 16V
180uF 10V
LM317T
LM337T
240 1%
2K55 1%
47u 35V Tant
Unmarked diodes: 1n4004
0.3A MULTIFUSE MF-R030 (772-288)
+TRIG
BC558
33K
470nF 63V
2.2uF 16V
180uF 10V
2K 22K
150K
0VD
0V_TRIG
PIC16F877
MCLR
RA0
RA1
RA2
RA3
RA4
RA5
RE0
RE1
RE2
+VDD
XTAL
RC0
RC1
RC2
RC3
RD0
RD1
RB7
RB6
RB5
RB4
RB3
RB2
RB1
RB0
RD7
RD6
RD5
RD4
RC7
RC6
RC5
RC4
RD3
RD2
4MHz
33pF
+5VD
33
2x 1K5
18uF 50V
+5V
CLOCK
DATA
0V
RED
ORANGE
YELLOW
GREEN
OPTICAL ROTARY ENCODER
SPECTROL 120EN-128-CBL
STORE LED
VIEW LED
MUTE LED
SWITCHES IN
RIGHT SWITCHES
220
330
470
680
820
MUTE VIEW STORE
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
E
R/W
RS
(FNC)
20 x 2 VFD DISPLAY
NORITAKE ITRON CU20025ECPB-U1J
LEFT SWITCHES
LATCH
STANDBY LED
SWITCHES OUT
74HC595
2u2 16V SM Tant
IR
3x 100K
560
120
150
180
220
270
330
390
STANDBY CD PHONO TUNER TV DVD MD TAPE
3x 100
UDN2981A
OCTAL HI-SIDE DRIVER
PROGRAM/COMM
12V TRIGGERS
Pin 1