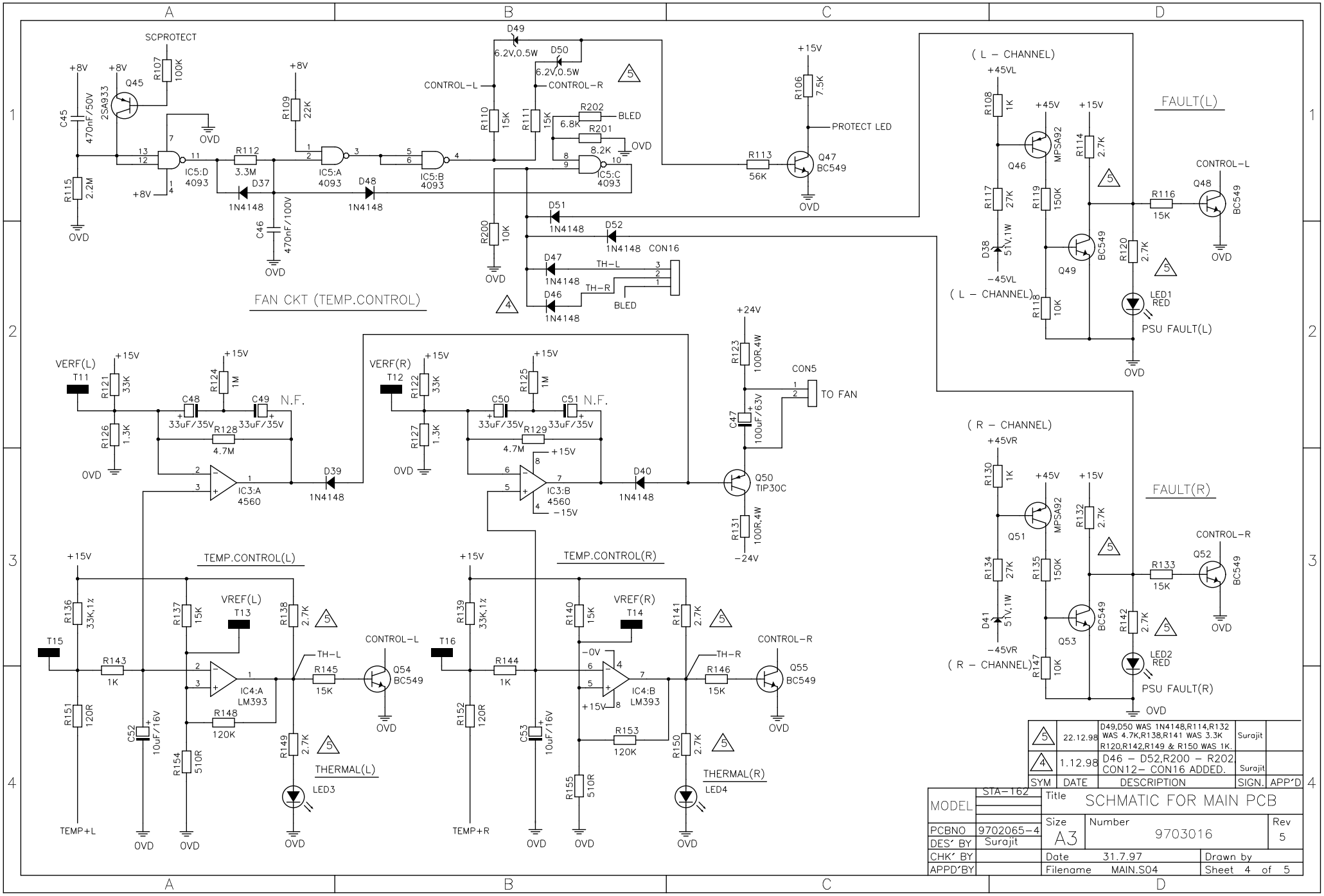
SCPROTECT
Q45
2SA933
R107 100K
C45 470nF/50V
+8V
OVD
R115 2.2M
R112 3.3M
IC5:D 4093
IC5:A 4093
IC5:B 4093
IC5:C 4093
R109 22K
D37 1N4148
D48 1N4148
C46 470nF/100V
D49 6.2V,0.5W
D50 6.2V,0.5W
CONTROL-L
CONTROL-R
R110 15K
R111 15K
R202 6.8K
BLED
R201 8.2K
R200 10K
D51 1N4148
D52 1N4148
D47 1N4148
D46 1N4148
TH-L
TH-R
CON16
R106 7.5K
+15V
PROTECT LED
R113 56K
Q47 BC549
FAN CKT (TEMP.CONTROL)
(L - CHANNEL)
+45VL
R108 1K
+45V
MPSA92
Q46
R114 2.7K
R117 27K
D38 51V,1W
-45VL
R119 150K
Q49
BC549
R120 2.7K
R116 15K
Q48
CONTROL-L
FAULT(L)
R118 10K
LED1 RED
PSU FAULT(L)
VERF(L)
T11
R121 33K
R124 1M
C48 33uF/35V
C49 N.F.
R126 1.3K
R128 4.7M
IC3:A 4560
D39 1N4148
VERF(R)
T12
R122 33K
R125 1M
C50 33uF/35V
C51 N.F.
R127 1.3K
R129 4.7M
IC3:B 4560
D40 1N4148
R123 100R,4W
R131 100R,4W
C47 100uF/63V
CON5
TO FAN
Q50 TIP30C
+24V
-24V
(R - CHANNEL)
+45VR
R130 1K
Q51
R132 2.7K
R134 27K
D41 51V,1W
-45VR
R135 150K
Q53
R133 15K
Q52
FAULT(R)
R147 10K
LED2 RED
PSU FAULT(R)
TEMP.CONTROL(L)
R136 33K,1%
R137 15K
VREF(L)
T13
R138 2.7K
T15
R143 1K
IC4:A LM393
R145 15K
Q54 BC549
R148 120K
R151 120R
C52 10uF/16V
R154 510R
R149 2.7K
THERMAL(L)
LED3
TEMP+L
TEMP.CONTROL(R)
R139 33K,1%
R140 15K
VREF(R)
T14
R141 2.7K
T16
R144 1K
IC4:B LM393
R146 15K
Q55 BC549
R153 120K
R152 120R
C53 10uF/16V
R155 510R
R150 2.7K
THERMAL(R)
LED4
TEMP+R
5 22.12.98 D49,D50 WAS 1N4148,R114,R132 WAS 4.7K,R138,R141 WAS 3.3K R120,R142,R149 & R150 WAS 1K. Surajit
4 1.12.98 D46 - D52,R200 - R202 CON12- CON16 ADDED. Surajit
SYM DATE DESCRIPTION SIGN. APP'D
MODEL STA-162
PCBNO 9702065-4
DES' BY Surajit
CHK' BY
APPD'BY
Title SCHMATIC FOR MAIN PCB
Size A3
Number 9703016
Rev 5
Date 31.7.97
Drawn by
Filename MAIN.S04
Sheet 4 of 5