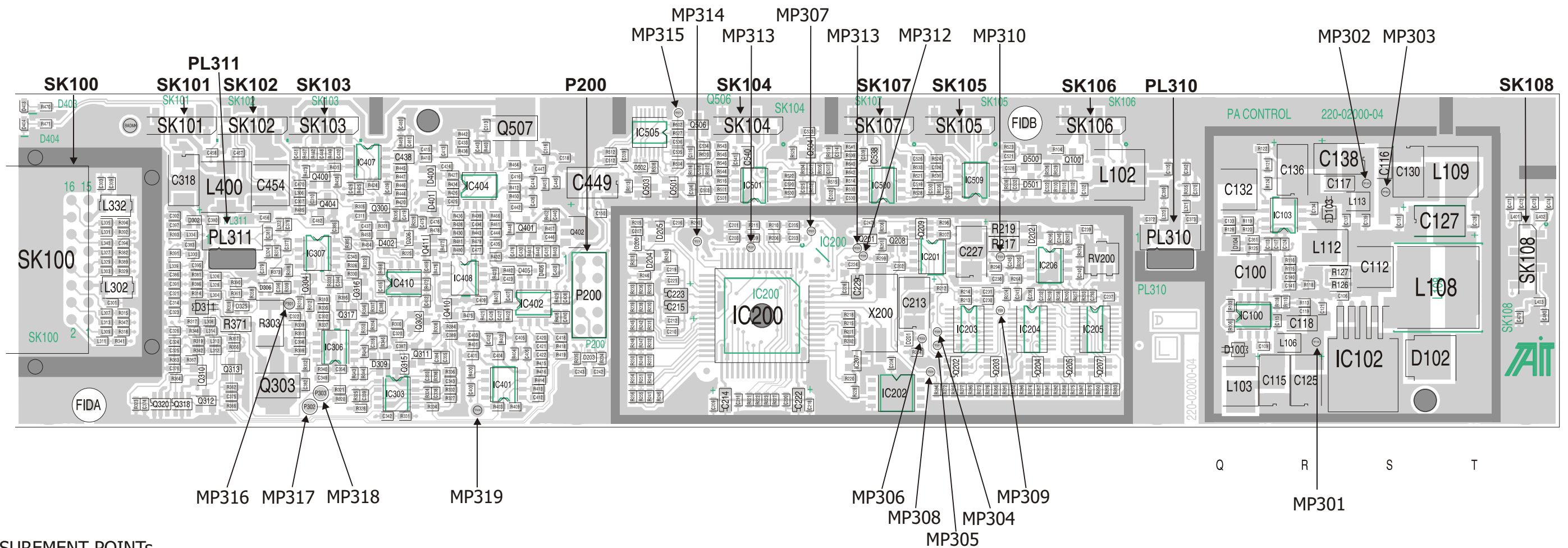


Connector PIN outs

Control Bus SK100	Power Supply SK101	RF Power Control SK102	6W Control SK103	60W Isolated Control SK104	60W Final1 Control SK105	60W Control SK106	60W Final2 Control SK107	RF Power Sens SK108	Factory only P200	Temp Sens PL310	Temp Sens PL311
1: SUMMARY-ALARM	1: GND	1: POWER-CONTROL	1: STANDBY	1: FINAL1-CURRENT	1: FINAL1-CURRENT	1: FINAL1-CURRENT	1: FINAL2-CURRENT	1: FWD-PWR-DC	1: GND	1: TEMP	1: TEMP
2: I2C-DATA	2: +28V-FILT	2: RF-DET	2: DRIVE-CURRENT	2: FINAL1-BIAS	2: FINAL1-BIAS	2: FINAL1-BIAS	2: FINAL2-BIAS	2: REV-PWR-DC	2: 4	2: GND	2: GND
3: I2C-GND	3: +28V-FILT	3: PA-KEY-COAX	3: DRIVER-BIAS	3: FINAL1-TEMP	3: FINAL1-TEMP	3: FINAL1-TEMP	3: FINAL2-TEMP	3: +10V-LPF	3: GND	3: +5V	3: +5V
4: I2C-CLK	4: GND	4: DRIVER-TEMP	4: +10V-SWITCHED	4: GND	4: GND	4: GND	4: GND	4: LPF-DC-ROM	4: 6	4: 6	4: 6
5: 28V-OUTPUT									5: GND	5: GND	5: GND
6: REV-PWR-ALARM									6: RESET	6: RESET	6: RESET
7: TB8000-SYSTEM									7: +5V	7: +5V	7: +5V
8: FWD-PWR-ALARM									8: PROG-VOLTS	8: PROG-VOLTS	8: PROG-VOLTS
9: AMB-TEMP									9: OSC-1	9: OSC-1	9: OSC-1
10: UIF-SPEAKER									10: NC	10: NC	10: NC
11: REV-PWR-ANA											
12: PA-KEY											
13: PA-FAN-CONTROL											
14: FAN-GND											
15: PSU-FAN-CONTROL											
16: FWD-PWR-ANA											



MEASUREMENT POINTS

T8000 UHF PA MICROPROCESSOR Schematic Test points

**CCT Sheet 1**  
 MP301 -> TP100[1K3] +5V-DIG  
 MP302 -> TP102[1L6] +10  
 MP303 -> TP103[1P7] -3V

**CCT Sheet 2**  
 MP304 -> TP200[2K6] NC  
 MP305 -> TP201[2K5] NC  
 MP306 -> TP202[2E7] PROG-VOLTS  
 MP307 -> TP203[2G5] ATTN-BIAS-ENABLE  
 MP308 -> TP204[2R9] POWER-LEVEL  
 MP309 -> TP205[2K5] FAN-CONTROL  
 MP310 -> TP206[2C1] SUPPLY-VOLTS  
 MP311 -> TP207[2E0] PA-KEY-SENSE  
 MP312 -> TP208[2E1] PA-KEY-MICRO  
 MP313 -> TP209[2G1] RF-DET-SENSE  
 MP314 -> TP210[2G4] PA-RAMP-MICRO  
 MP315 -> TP211[2J4] KEY-CONT

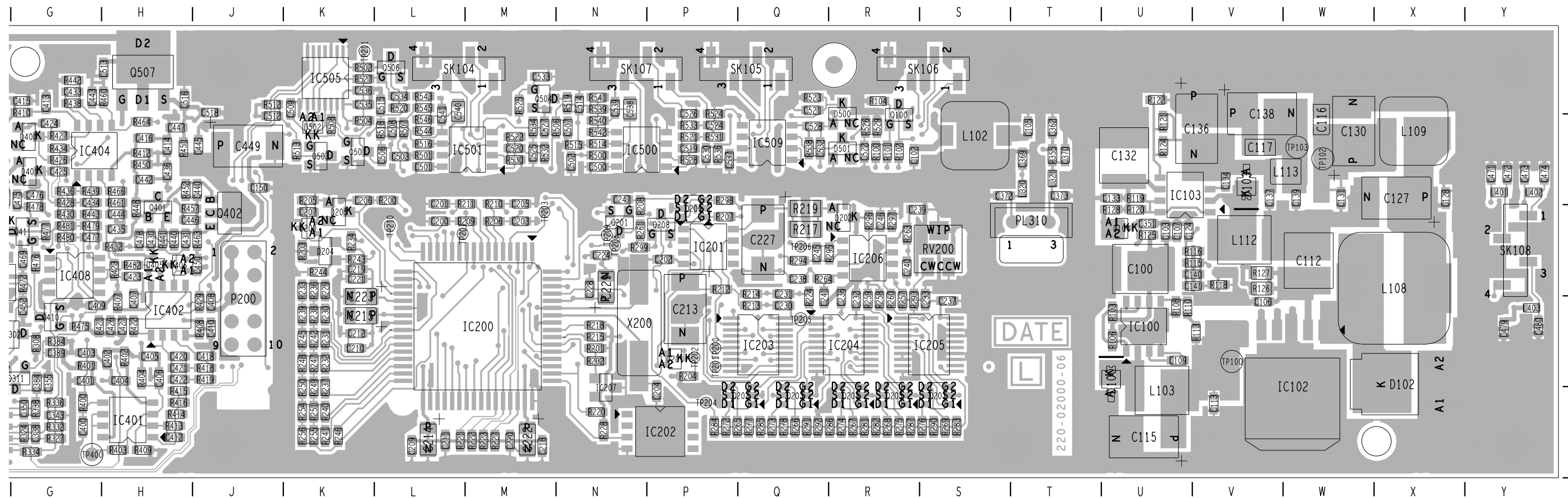
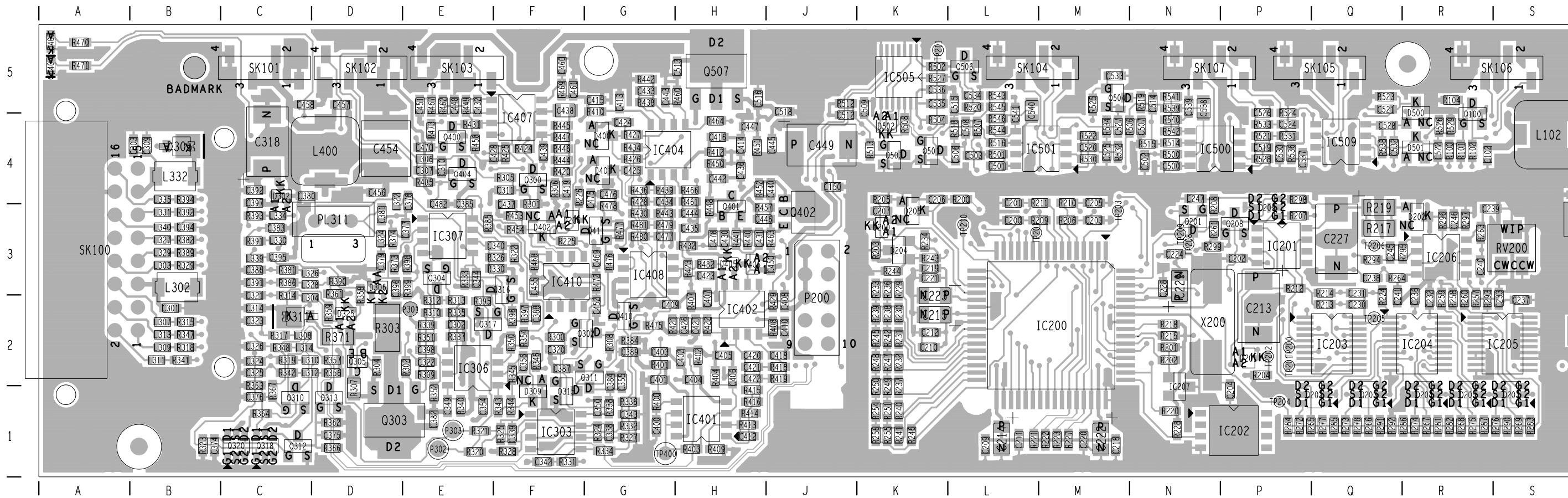
**CCT Sheet 3**  
 MP316 -> TP301[3P3] PA-FAN-CONTROL  
 MP317 -> TP302[3K7] FWD-PWR-ANA  
 MP318 -> TP303[3G4] REV-PWR-ANA

**CCT Sheet 4**  
 MP319 -> TP400[4D6] POWER-LEVEL

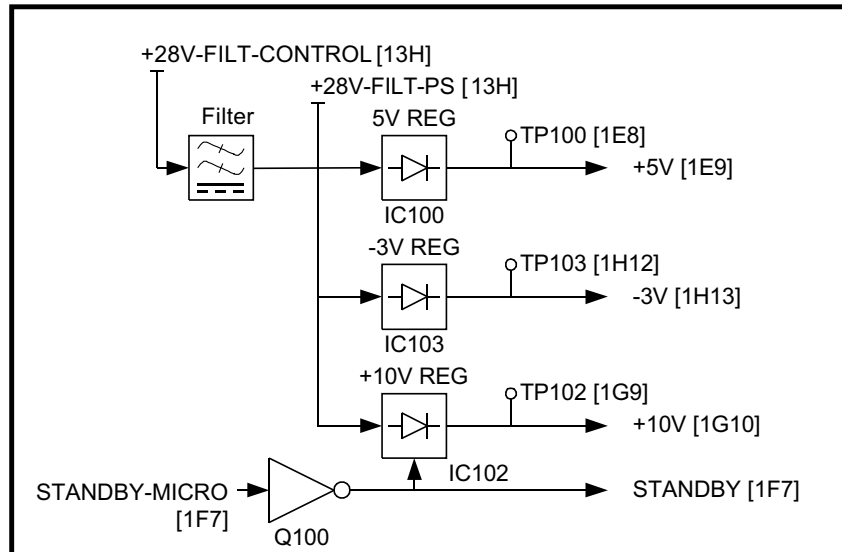
INSPECTION POINTS

MP320 ->	[ ]	MP330 ->	[ ]
MP321 ->	[ ]	MP331 ->	[ ]
MP322 ->	[ ]	MP332 ->	[ ]
MP323 ->	[ ]	MP333 ->	[ ]
MP324 ->	[ ]	MP334 ->	[ ]
MP325 ->	[ ]	MP335 ->	[ ]
MP326 ->	[ ]	MP336 ->	[ ]
MP327 ->	[ ]	MP337 ->	[ ]
MP328 ->	[ ]	MP338 ->	[ ]
MP329 ->	[ ]	MP339 ->	[ ]

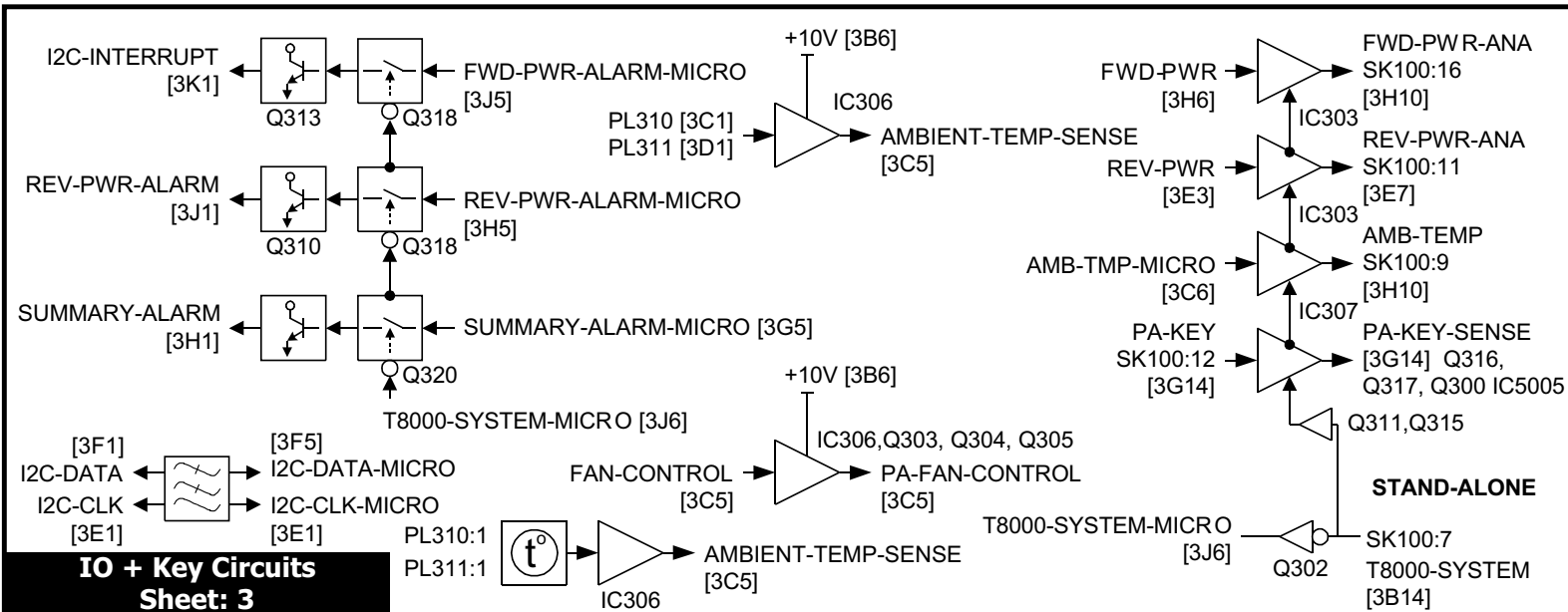
PA CONTROL LAYOUT



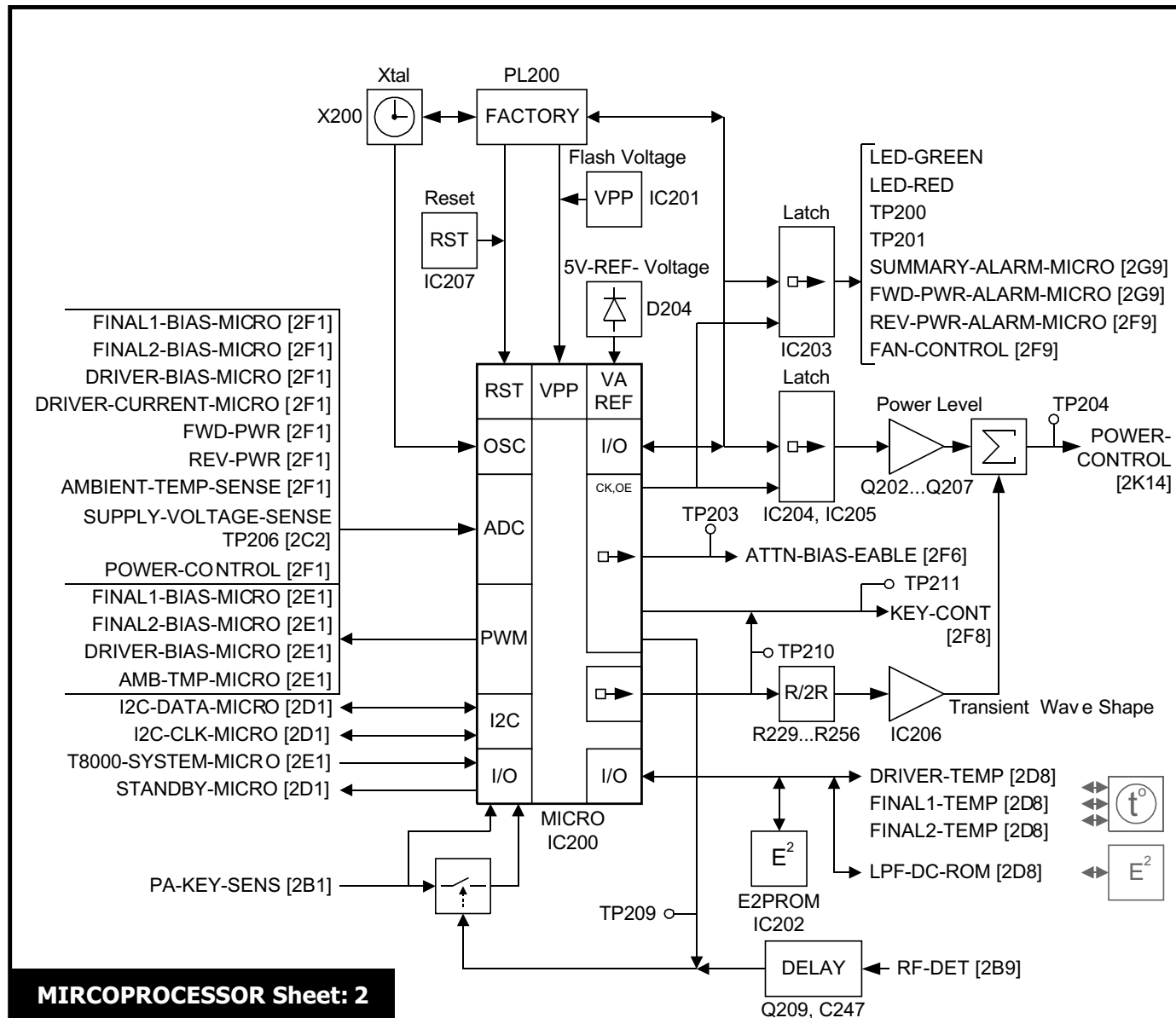




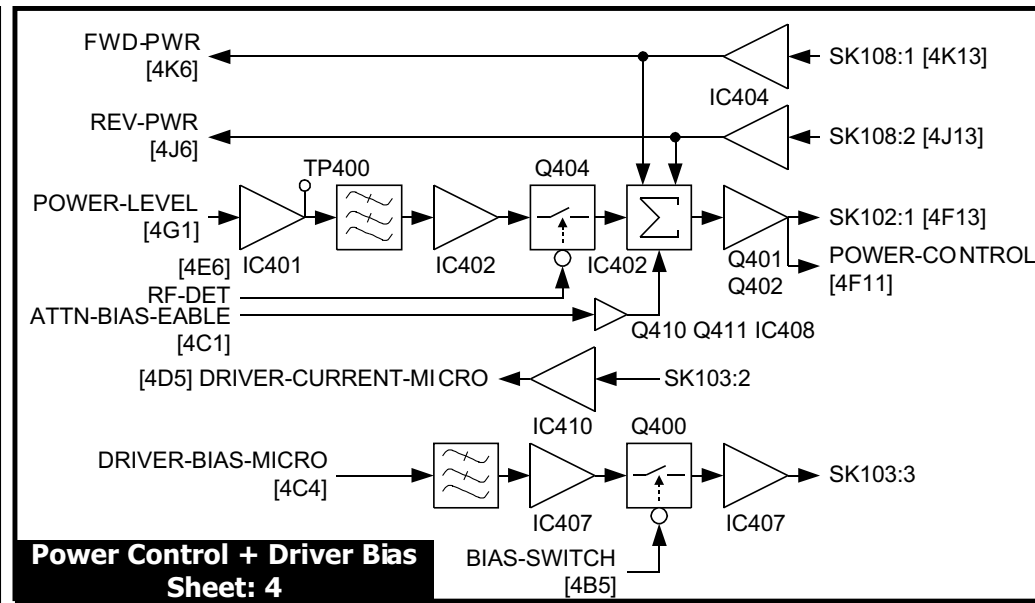
Power supplies sheet: 1



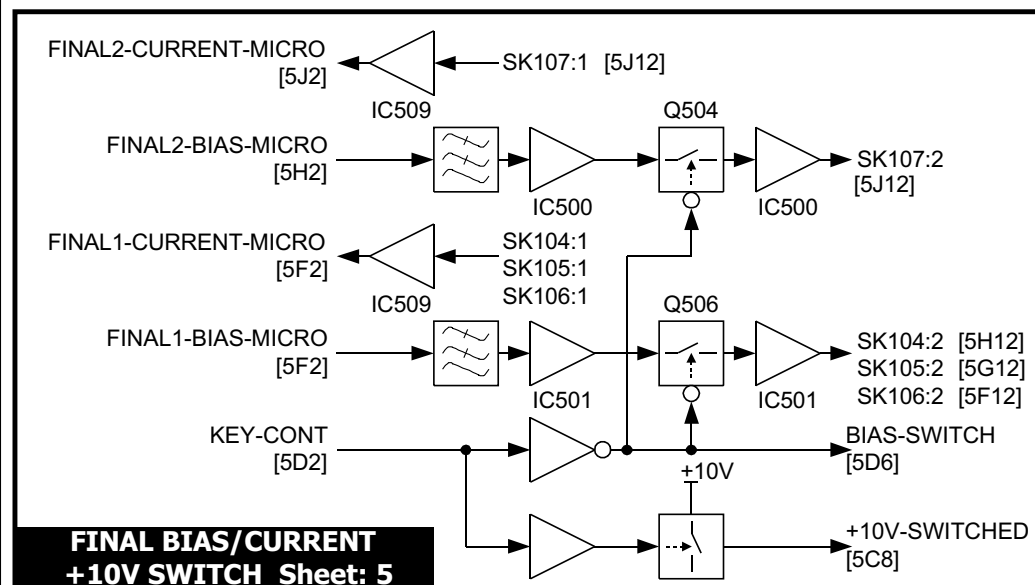
IO + Key Circuits Sheet: 3



MIRCOPROCESSOR Sheet: 2

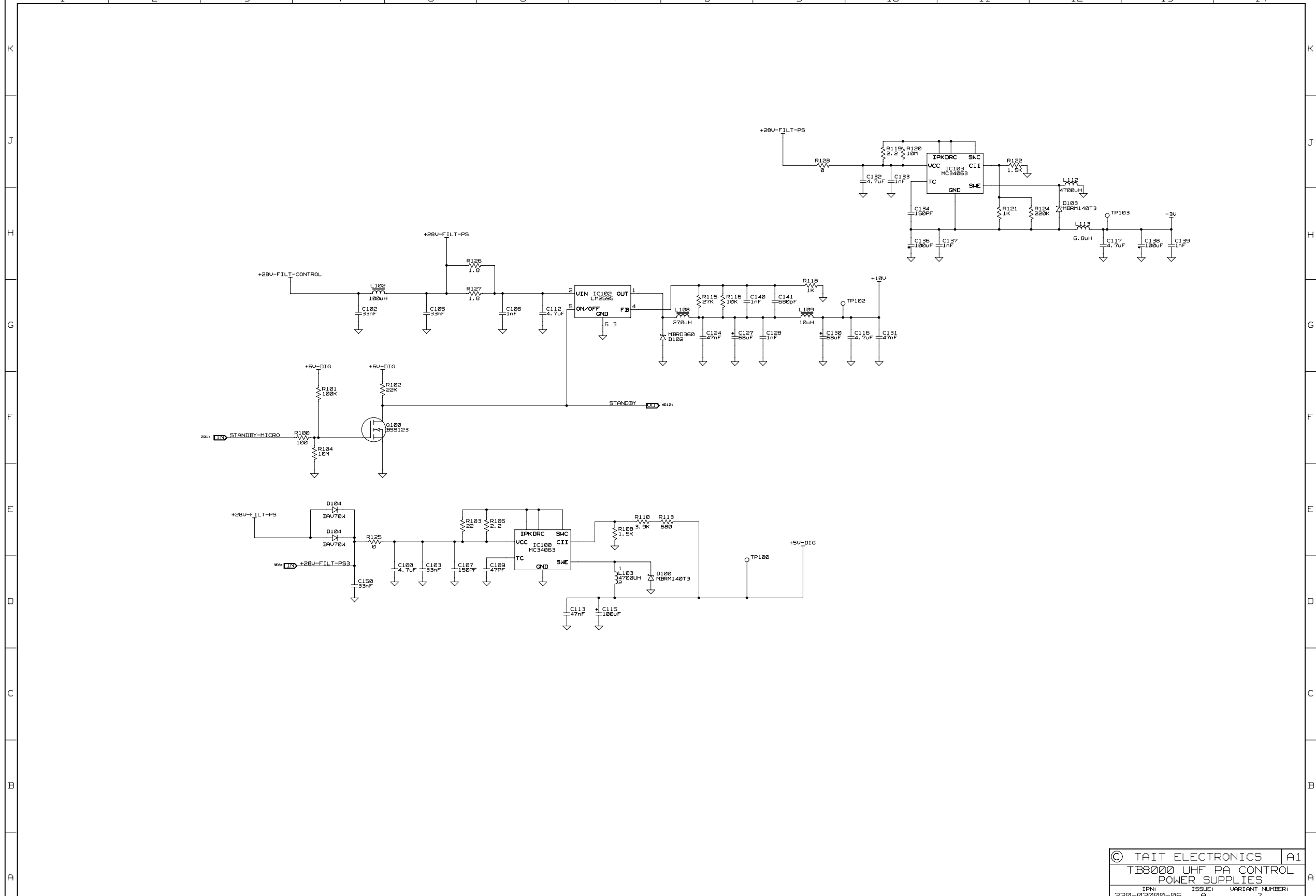


Power Control + Driver Bias Sheet: 4



FINAL BIAS/CURRENT +10V SWITCH Sheet: 5

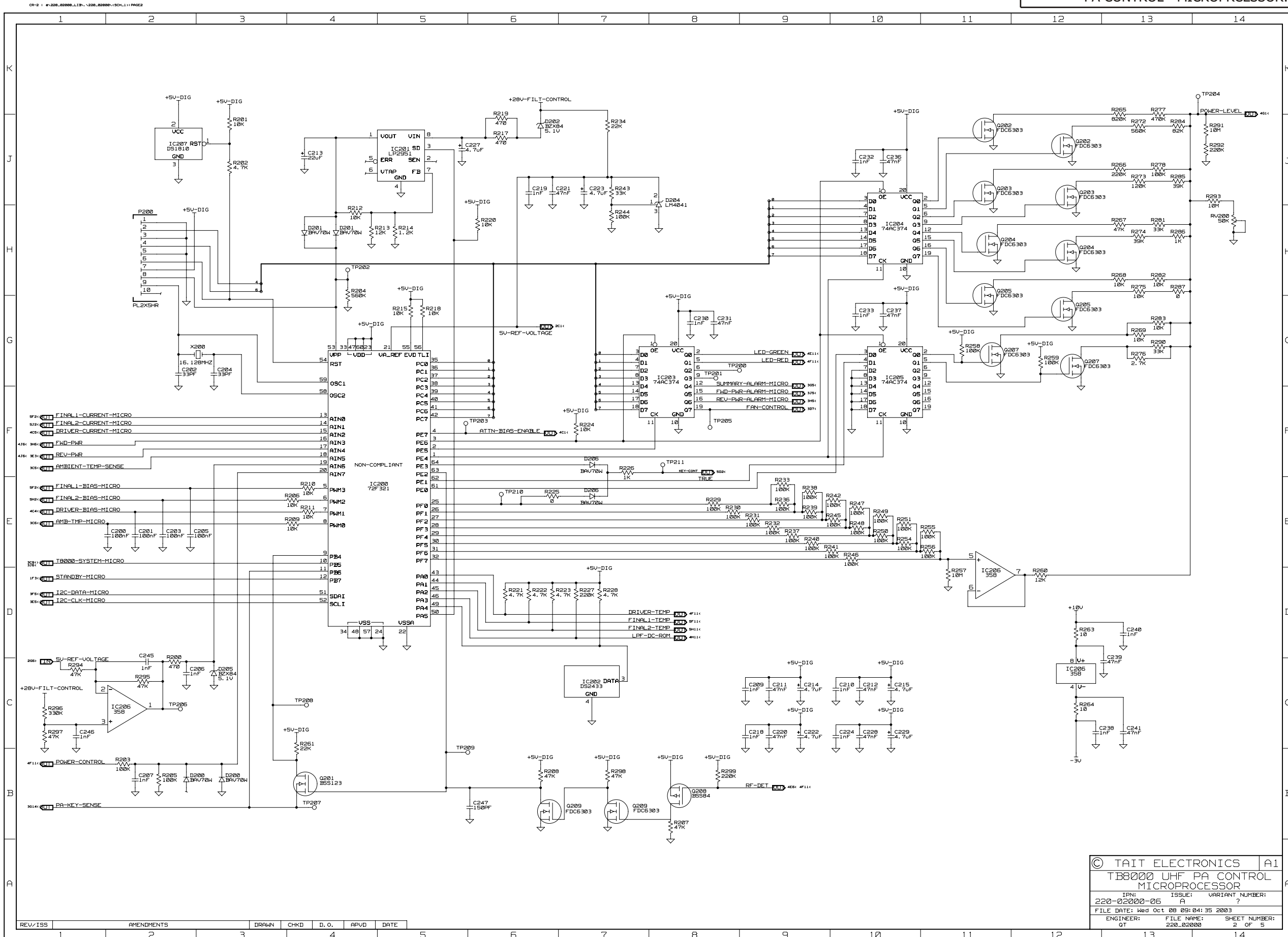
1 2 3 4 5 6 7 8 9 10 11 12 13 14



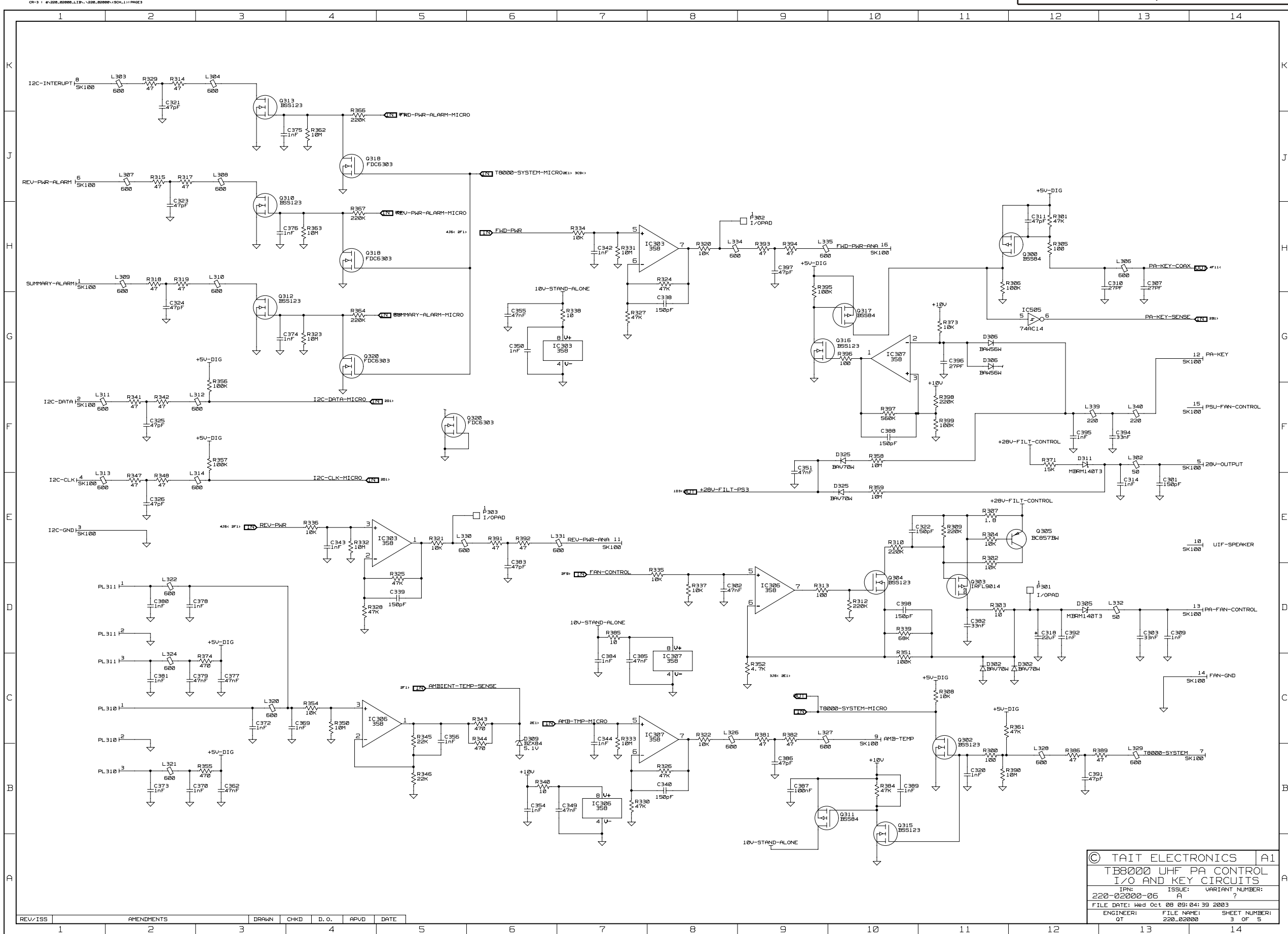
05A	ECO 101200253	BPM	OW	CK	OW	14/10/03
05A	COPIED FROM 226-00281-03 REF ECO 101200226	BPM	OW	CK	OW	07/10/03
REV:155	AMENDMENTS	DRAWN	CHKD	D. O.	APVD	DATE

© TAIT ELECTRONICS		A1
TB8000 UHF PA CONTROL POWER SUPPLIES		
IPN: 220-02000-06	ISSUE: A	VARIANT NUMBER: ?
FILE DATE: Fri Feb 27 13:36:55 2004	ENGINEER: QT	FILE NAME: 220_02000
		SHEET NUMBER: 1 OF 5

1 2 3 4 5 6 7 8 9 10 11 12 13 14

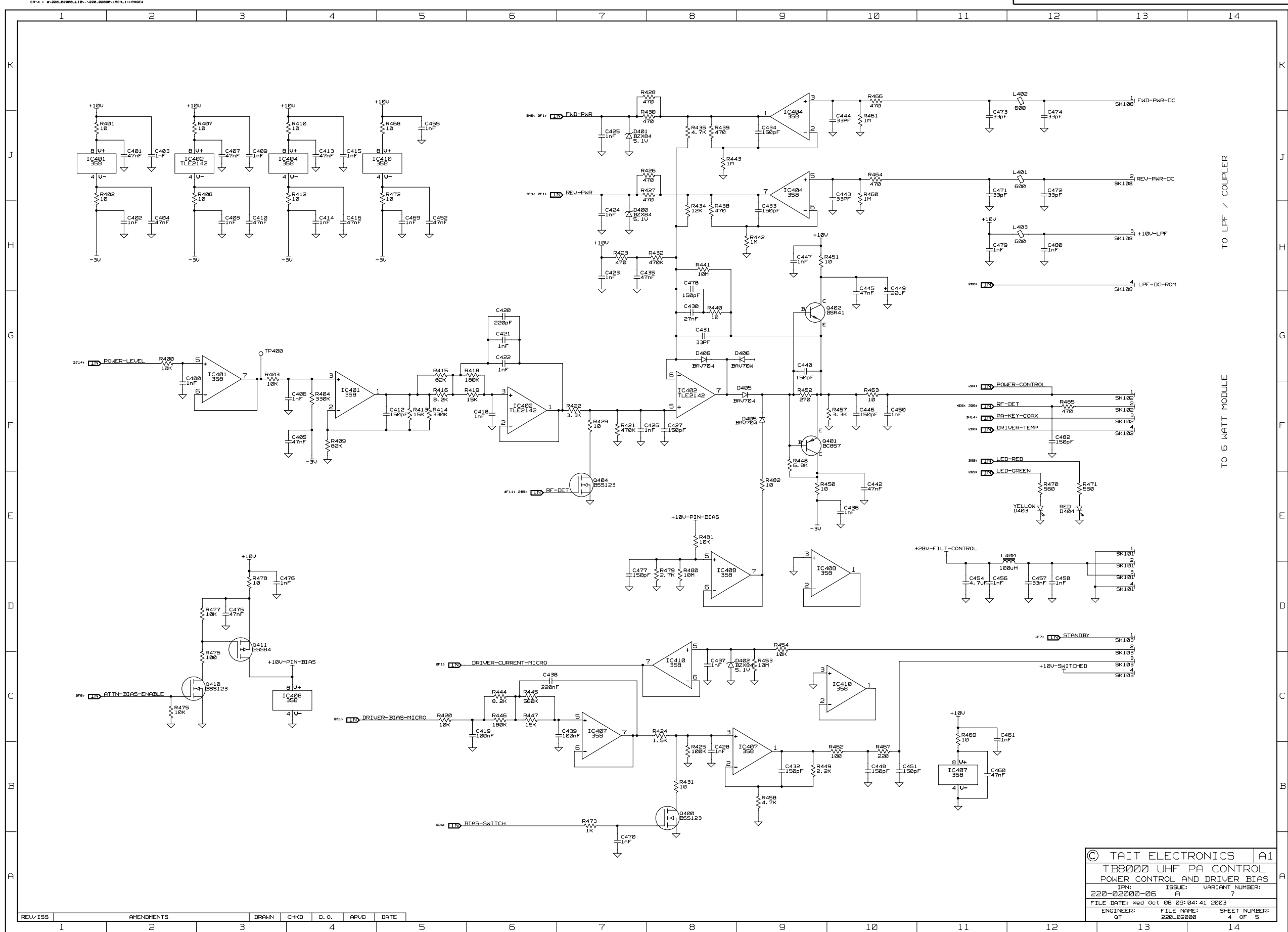


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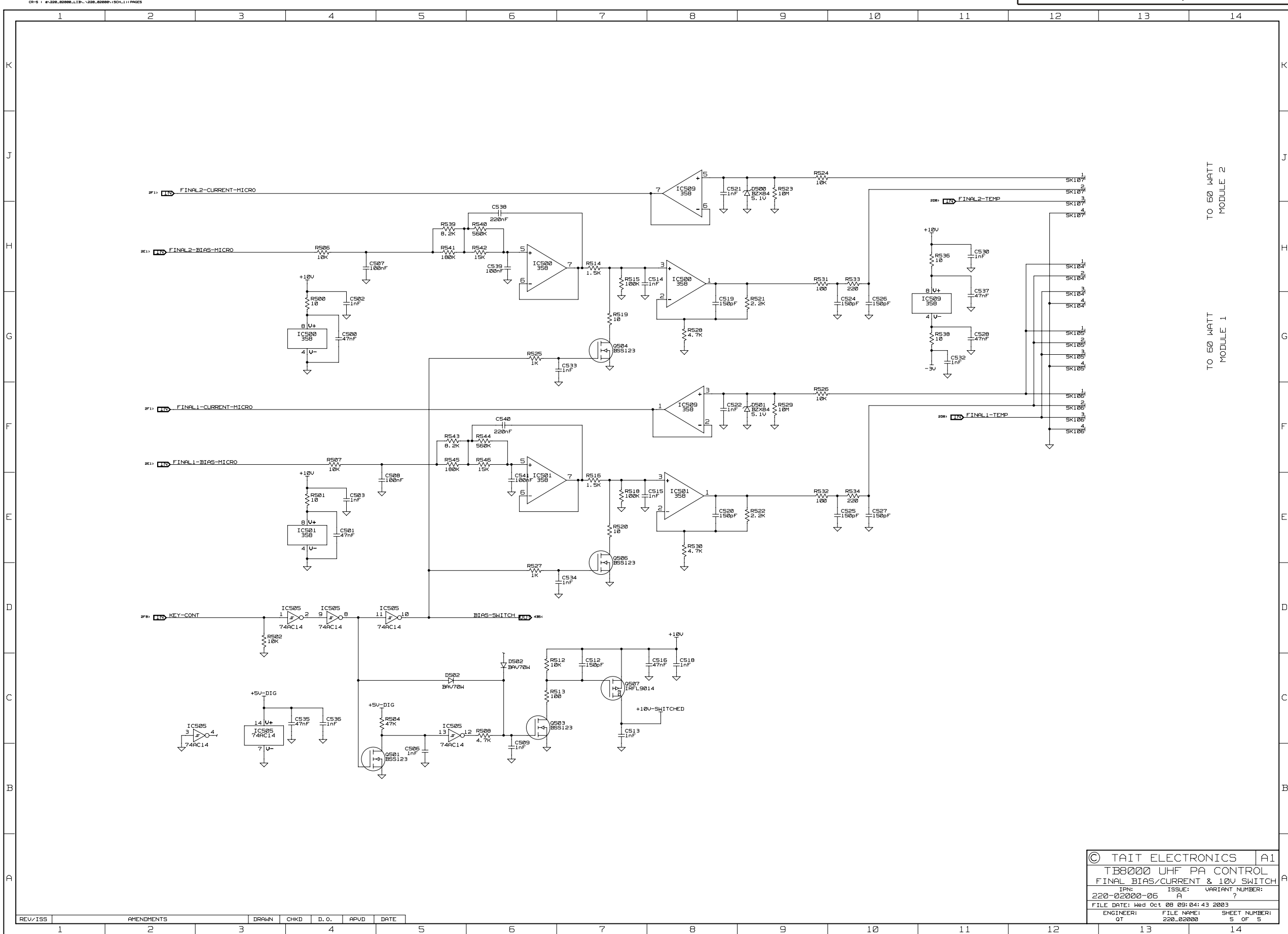
© TAIT ELECTRONICS A1  
 TB8000 UHF PA CONTROL  
 I/O AND KEYING CIRCUITS  
 IPN: 220-02000-06 ISSUE: A VARIANT NUMBER: ?  
 FILE DATE: Wed Oct 08 09:04:39 2003  
 ENGINEER: OT FILE NAME: 220\_02000 SHEET NUMBER: 3 OF 5

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
1						



© TAIT ELECTRONICS		A1
TB8000 UHF PA CONTROL		
POWER CONTROL AND DRIVER BIAS		
IPN:	ISSUE:	VARIANT NUMBER:
220-02000-06	A	?
FILE DATE: Wed Oct 08 09:04:41 2003		
ENGINEER:	FILE NAME:	SHEET NUMBER:
QT	220_02000	4 OF 5

REV/ISS	AMENDMENTS	DRAWN	CHKD	D.O.	APVD	DATE
1						



© TAIT ELECTRONICS		A1
TB8000 UHF PA CONTROL		
FINAL BIAS/CURRENT & 10V SWITCH		
IPN:	ISSUE:	VARIANT NUMBER:
220-02000-06	A	?
FILE DATE: Wed Oct 08 09:04:43 2003		
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REV/ISS	AMENDMENTS	DRAWN	CHKD	D. O.	APVD	DATE
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