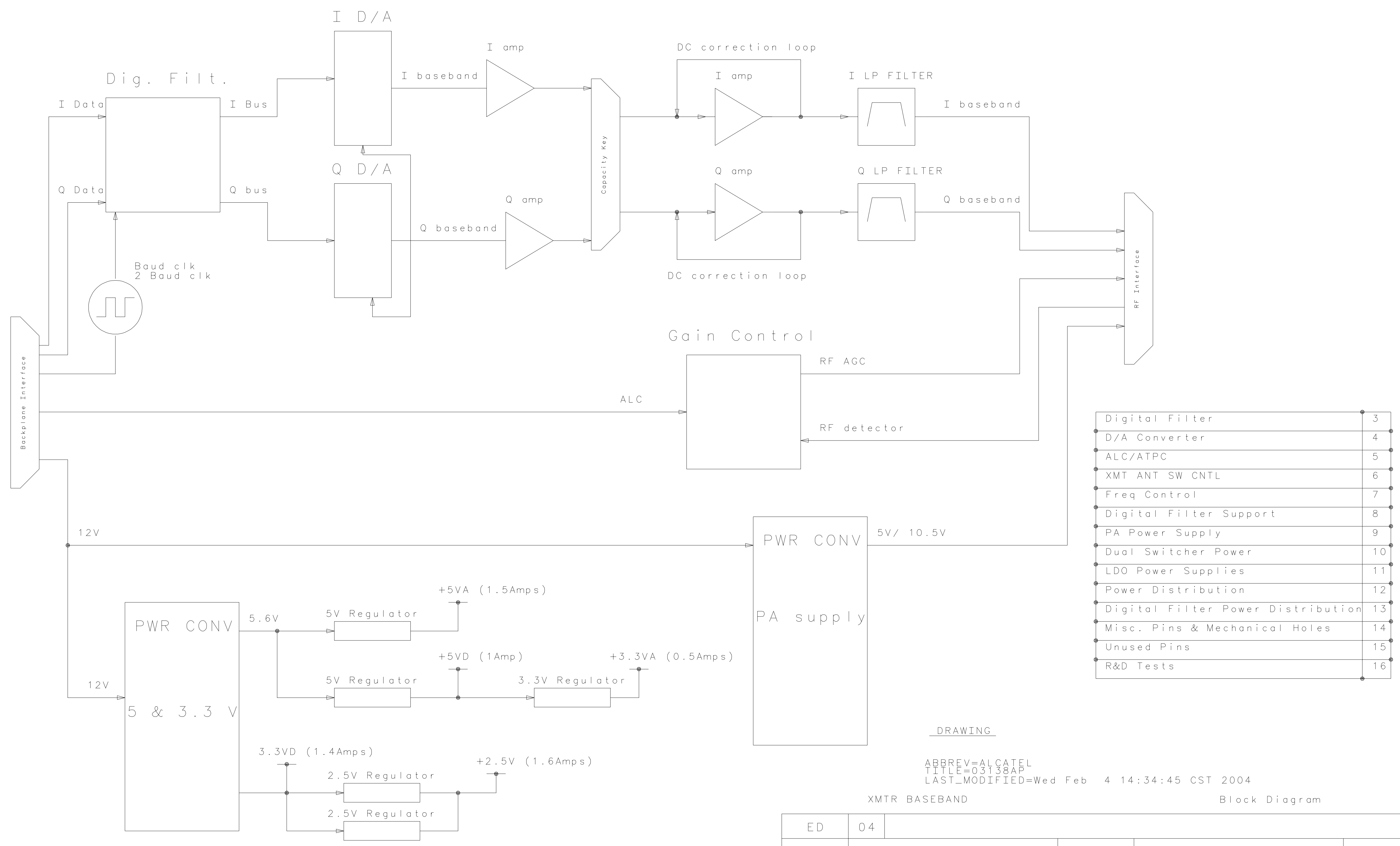




Digital Filter	3
D/A Converter	4
ALC/ATPC	5
XMT ANT SW CNTL	6
Freq Control	7
Digital Filter Support	8
PA Power Supply	9
Dual Switcher Power	10
LDO Power Supplies	11
Power Distribution	12
Digital Filter Power Distribution	13
Misc. Pins & Mechanical Holes	14
Unused Pins	15
R&D Tests	16

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TITLE=03138AP
LAST_MODIFIED=Wed Feb 4 14:34:45 CST 2004

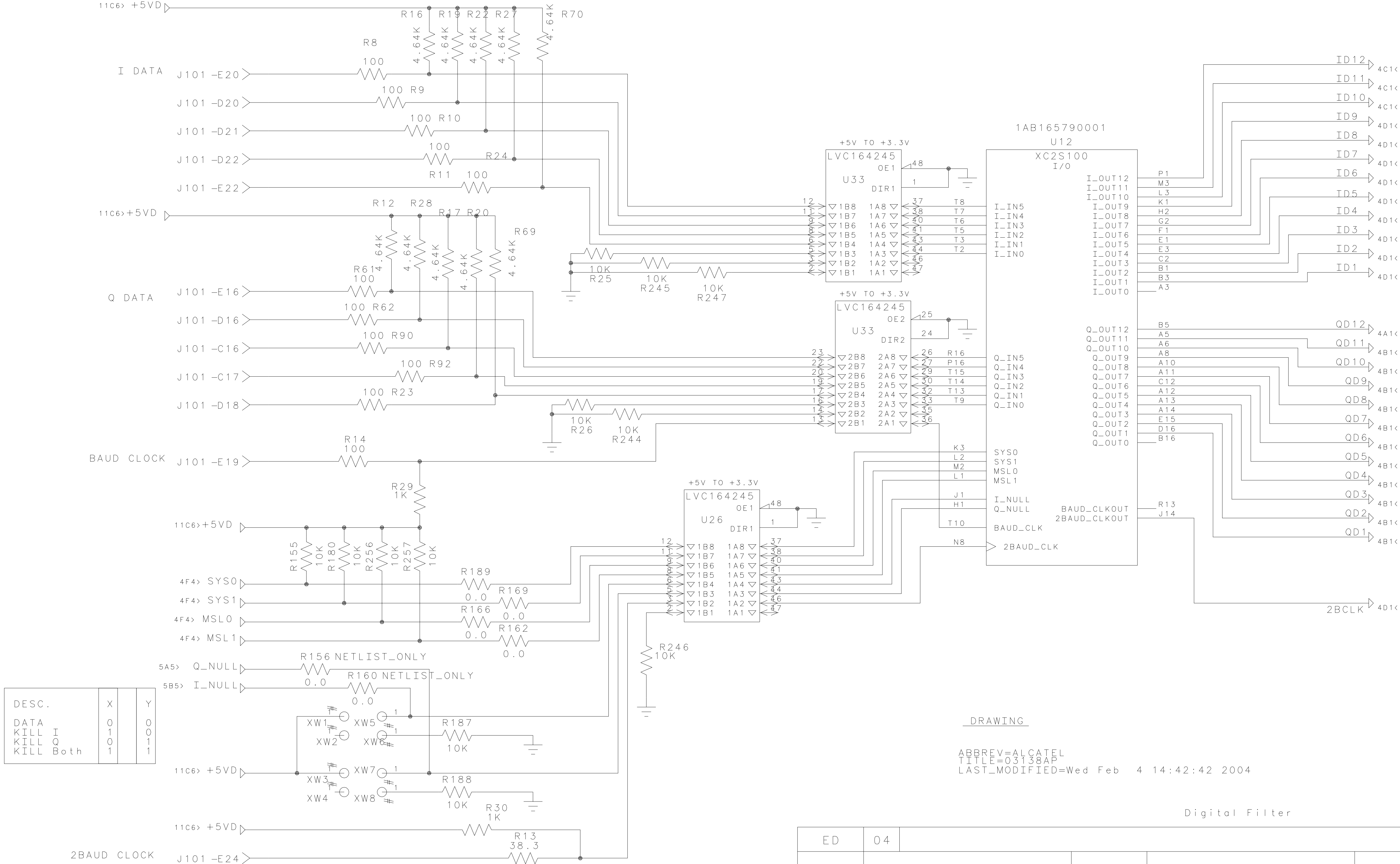
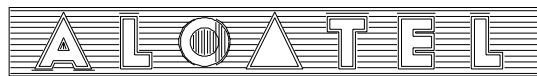
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XMTR BASEBAND

ED	04				
ALCATEL			3DH 03138 APAA ECZZA	2	

1AA 00014 0000 (9711) B - CONCEPT (PSD 13.6)

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DESC.	X	Y
DATA	0	0
KILL I	1	0
KILL Q	0	1
KILL Both	1	1

DRAWING
ABBREV=ALCATEL
TITLE=03138AP
LAST-MODIFIED=Wed Feb 4 14:42:42 2004

ED	04			
ALCATEL			3DH 03138 APAA ECZZA	3

14A 00014 0000 (9711) B - CONCEPT (PSD 13.6)

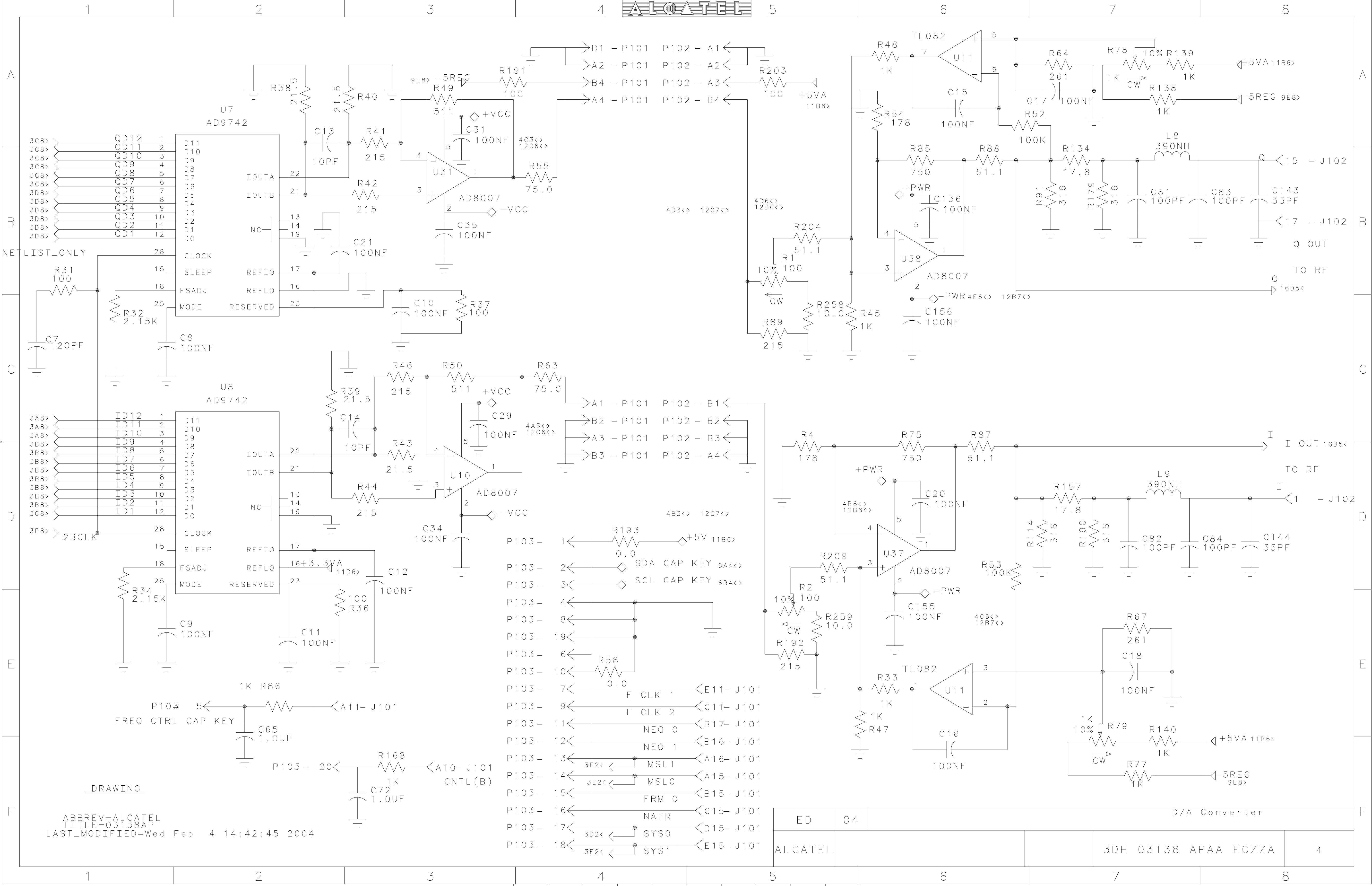
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DRAWING

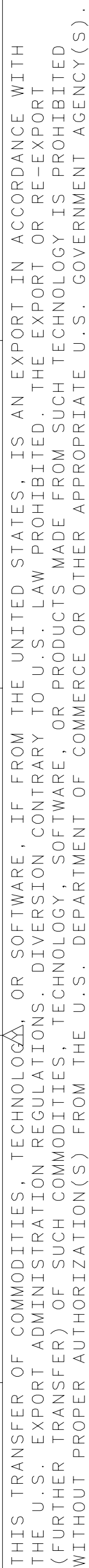
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LAST_MODIFIED=Wed Feb 4 14:42:45 2004

- P103 - 1 ← R193 0.0 → +5V 11B6>
P103 - 2 ← SDA CAP KEY 6A4<>
P103 - 3 ← SCL CAP KEY 6B4<>
P103 - 4
P103 - 8
P103 - 19
P103 - 6 ← R58 0.0
P103 - 10
P103 - 7 ← F CLK 1 <E11- J101
P103 - 9 ← F CLK 2 <C11- J101
P103 - 11 ← NEQ 0 <B17- J101
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P103 - 13 ← 3E2< MSL1 <A16- J101
P103 - 14 ← 3E2< MSL0 <A15- J101
P103 - 15 ← FRM 0 <B15- J101
P103 - 16 ← NAFR <C15- J101
P103 - 17 ← 3D2< SYS0 <D15- J101
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ED	04	D/A Converter		
ALCATEL		3DH 03138 APAA ECZZA	4	

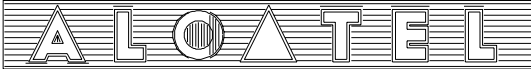


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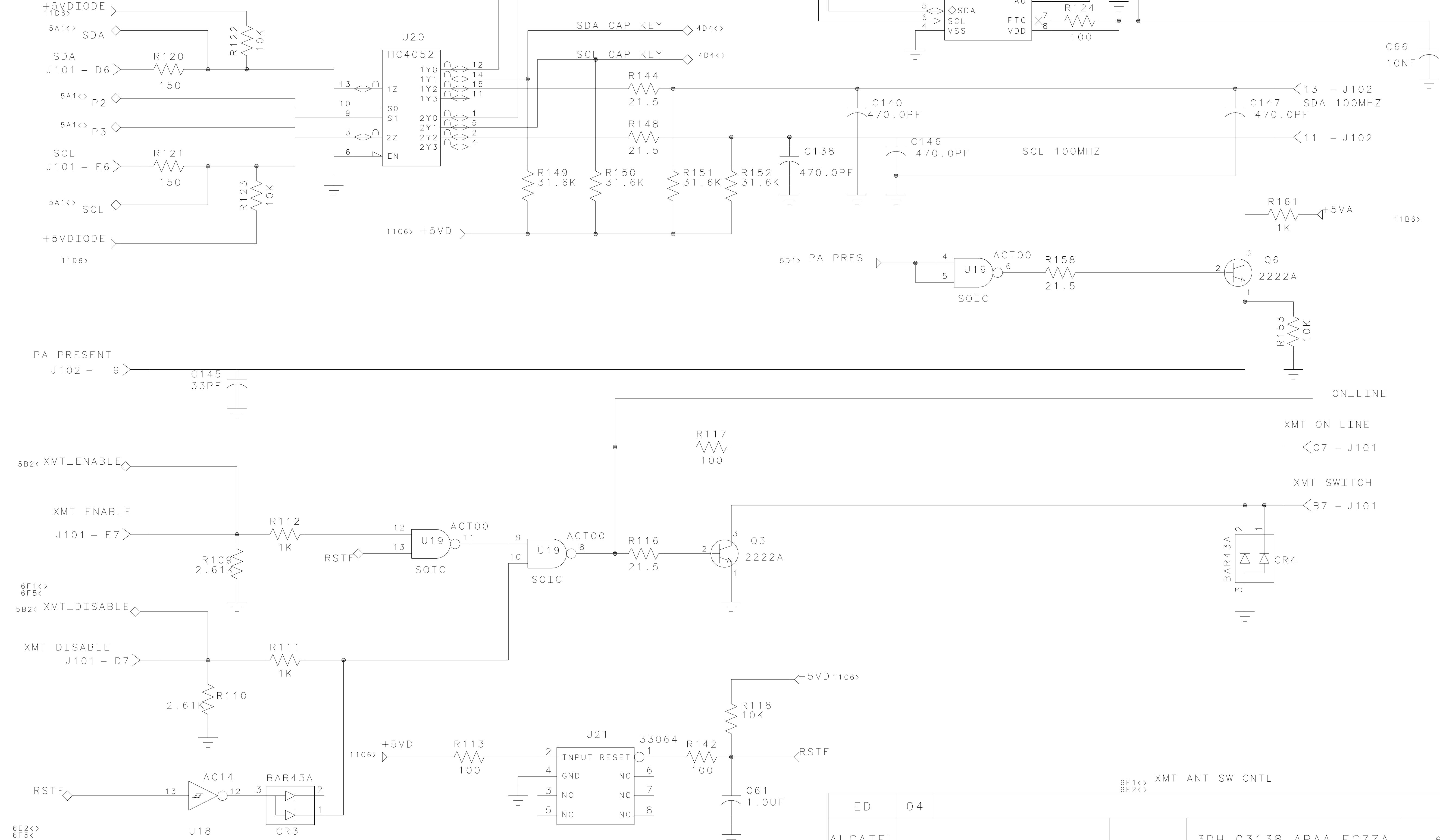
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EEPROM SEL (P2, P3)

00 = MOTHER BOARD
01 = CAP KEY
10 = 100 MHZ OSC

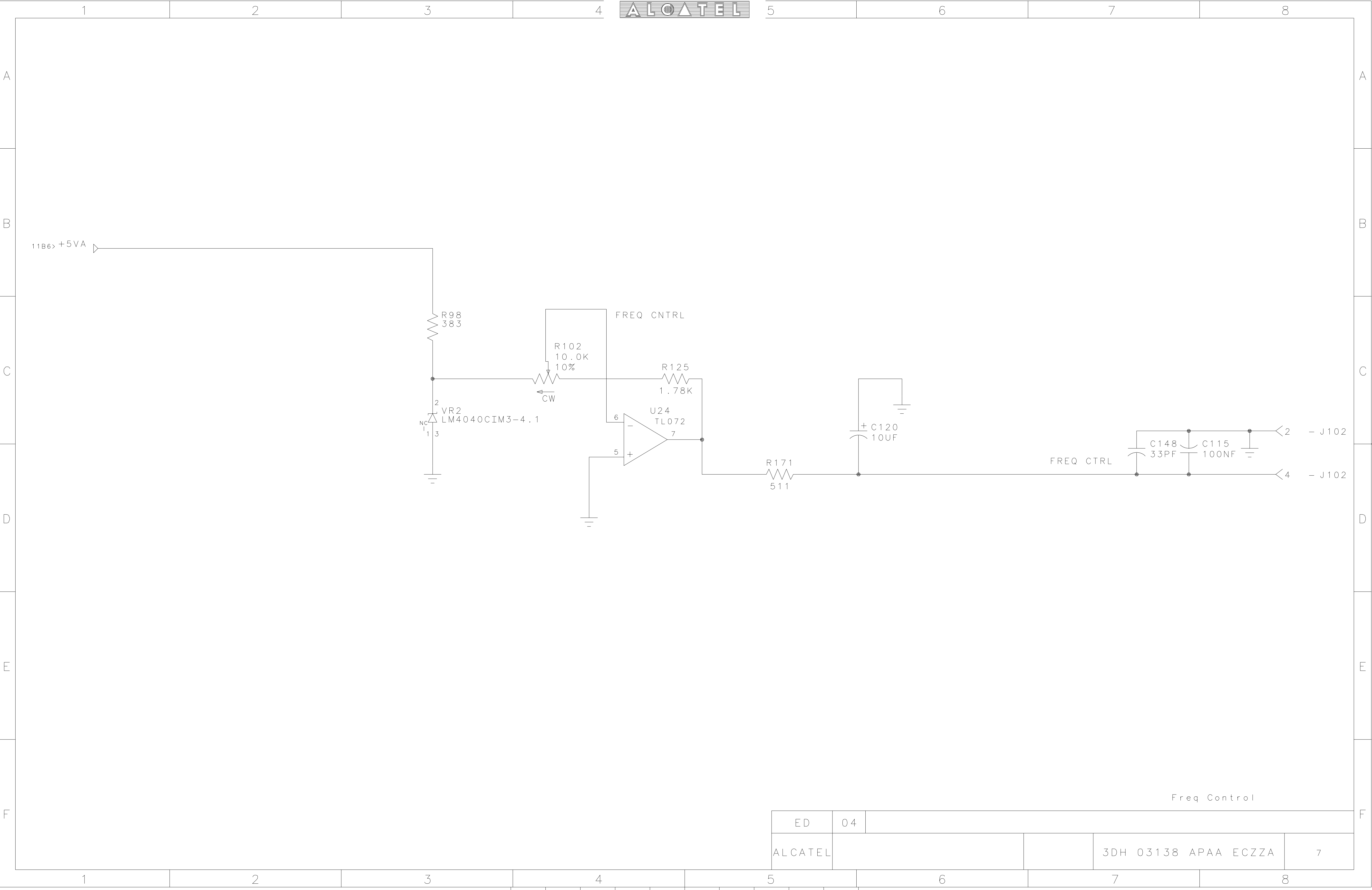


ED	04			
ALCATEL	3DH 03138 APAA ECZZA			6

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1AA 00014 0000 (9711) B - CONCEPT (PSD 13.6)

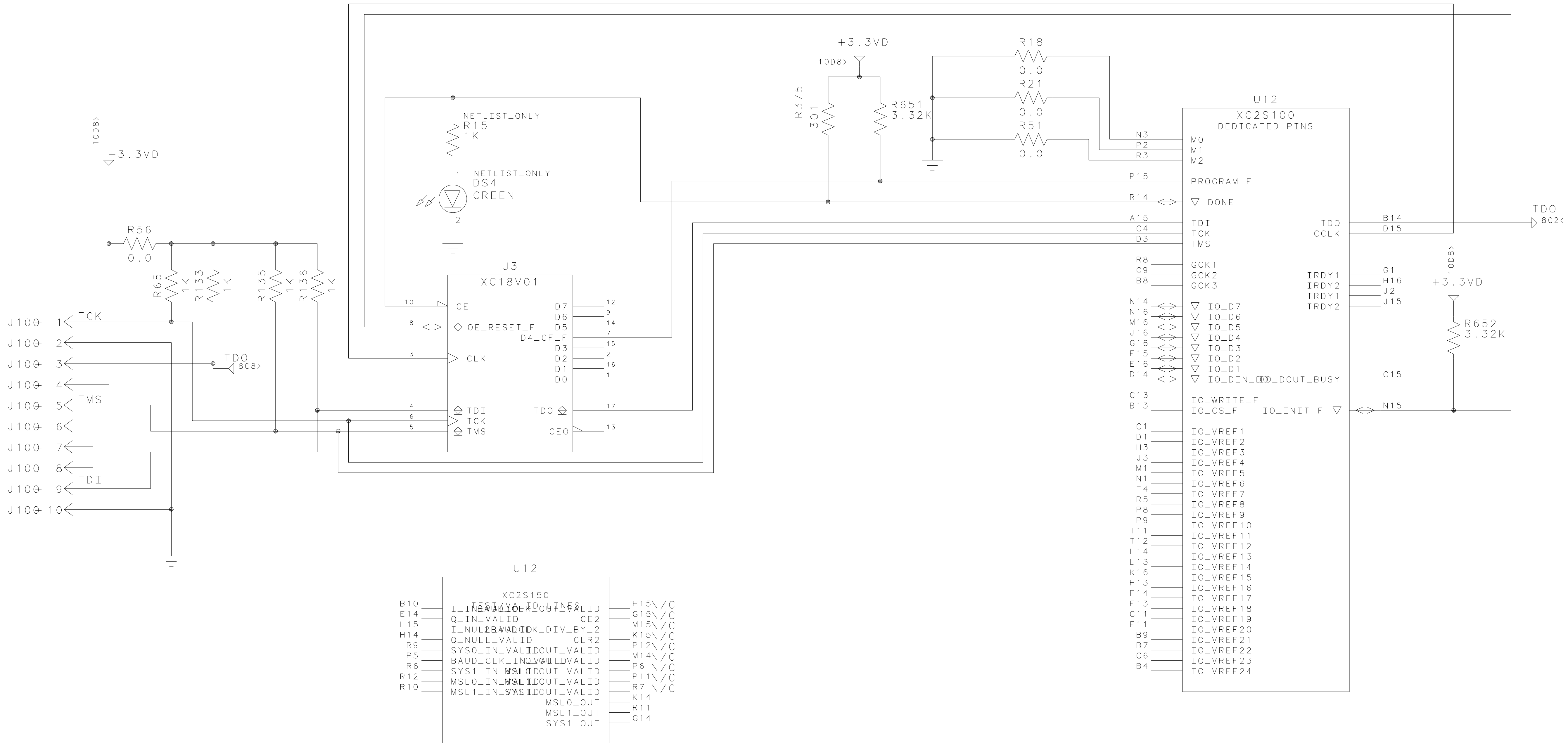
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ED	04						
ALCATEL						3DH 03138 APAA ECZZA	7

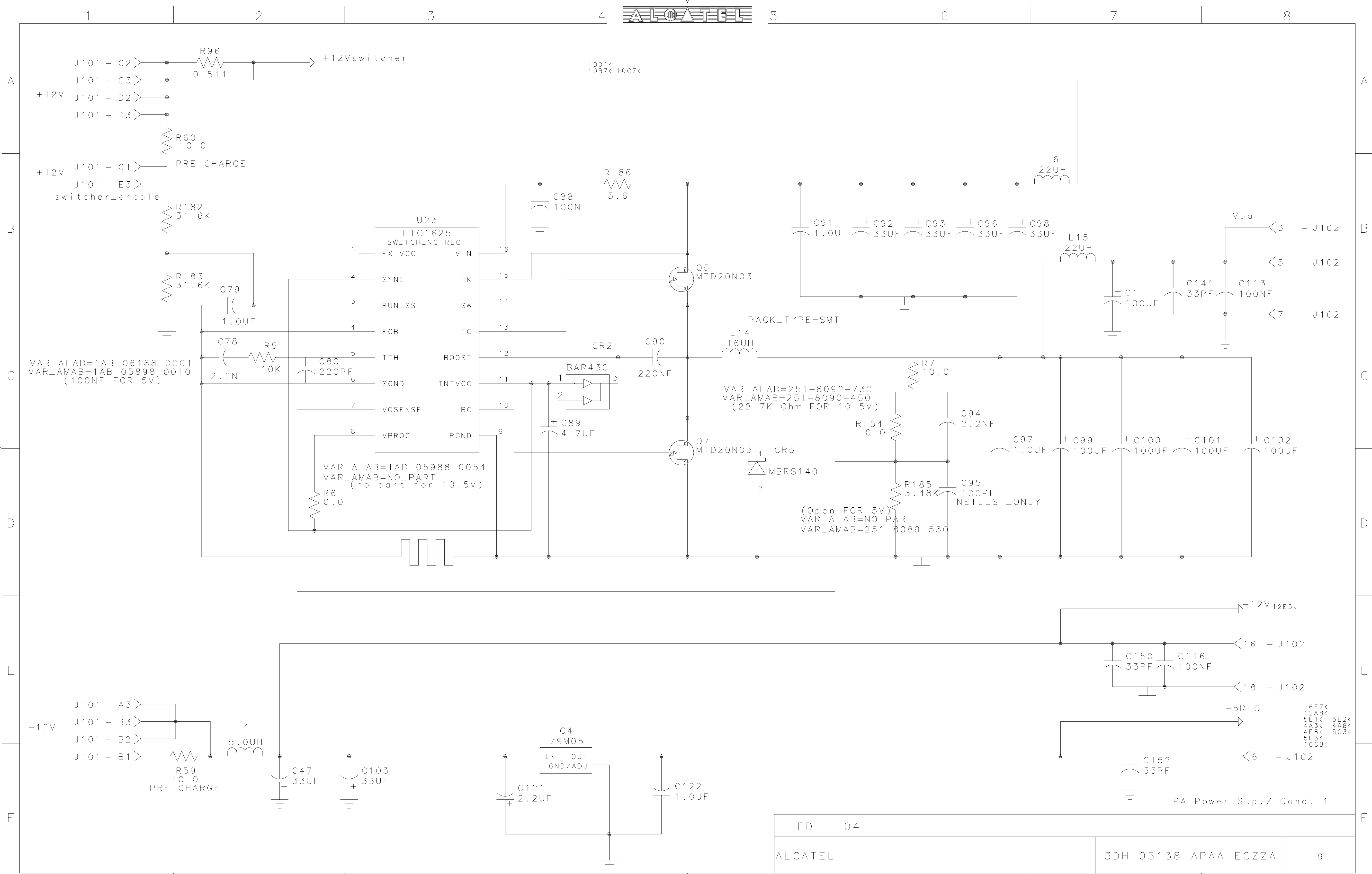
Freq Control

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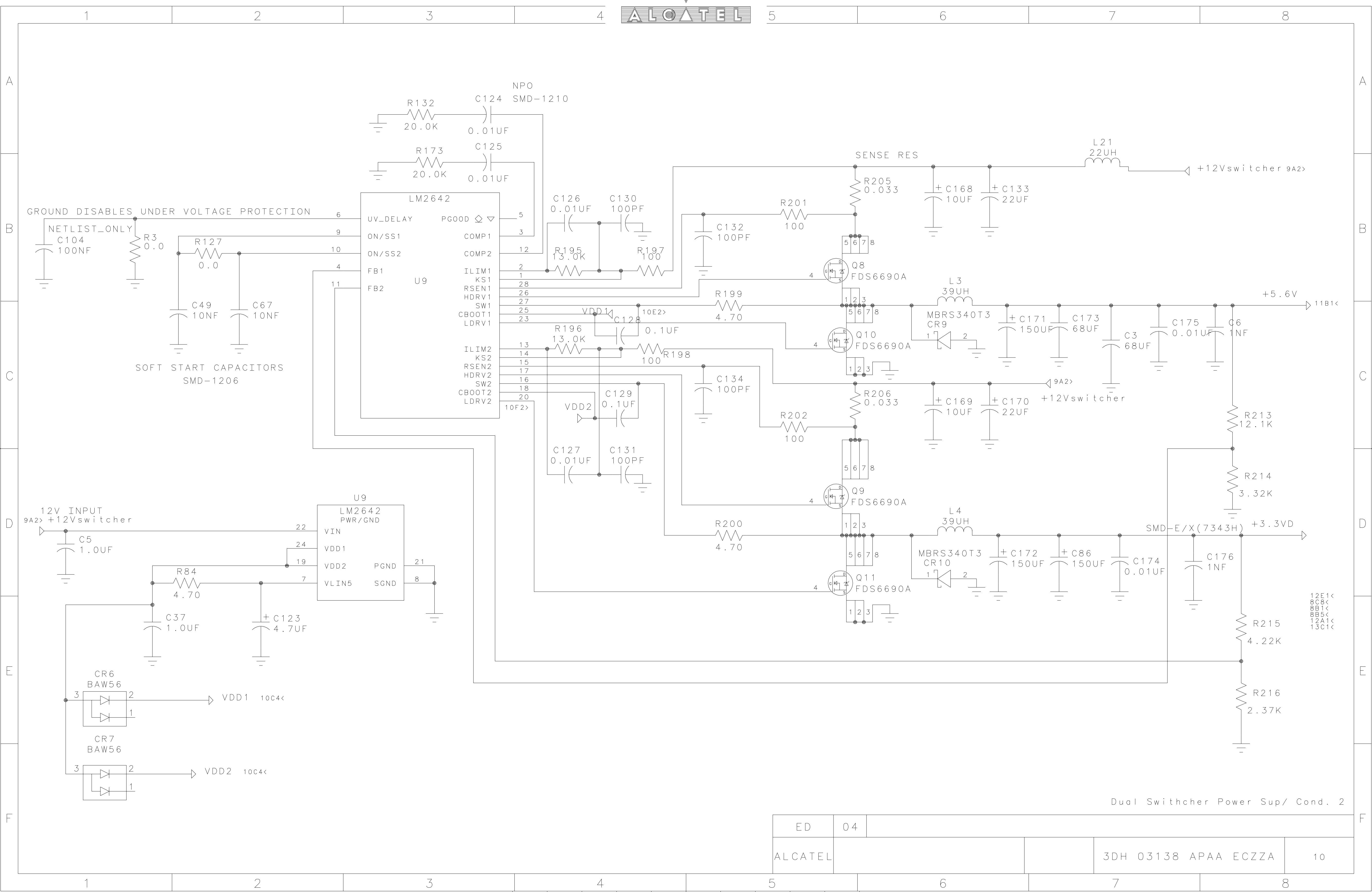
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ED	04			
ALCATEL		3DH 03138 APAA ECZZA		9

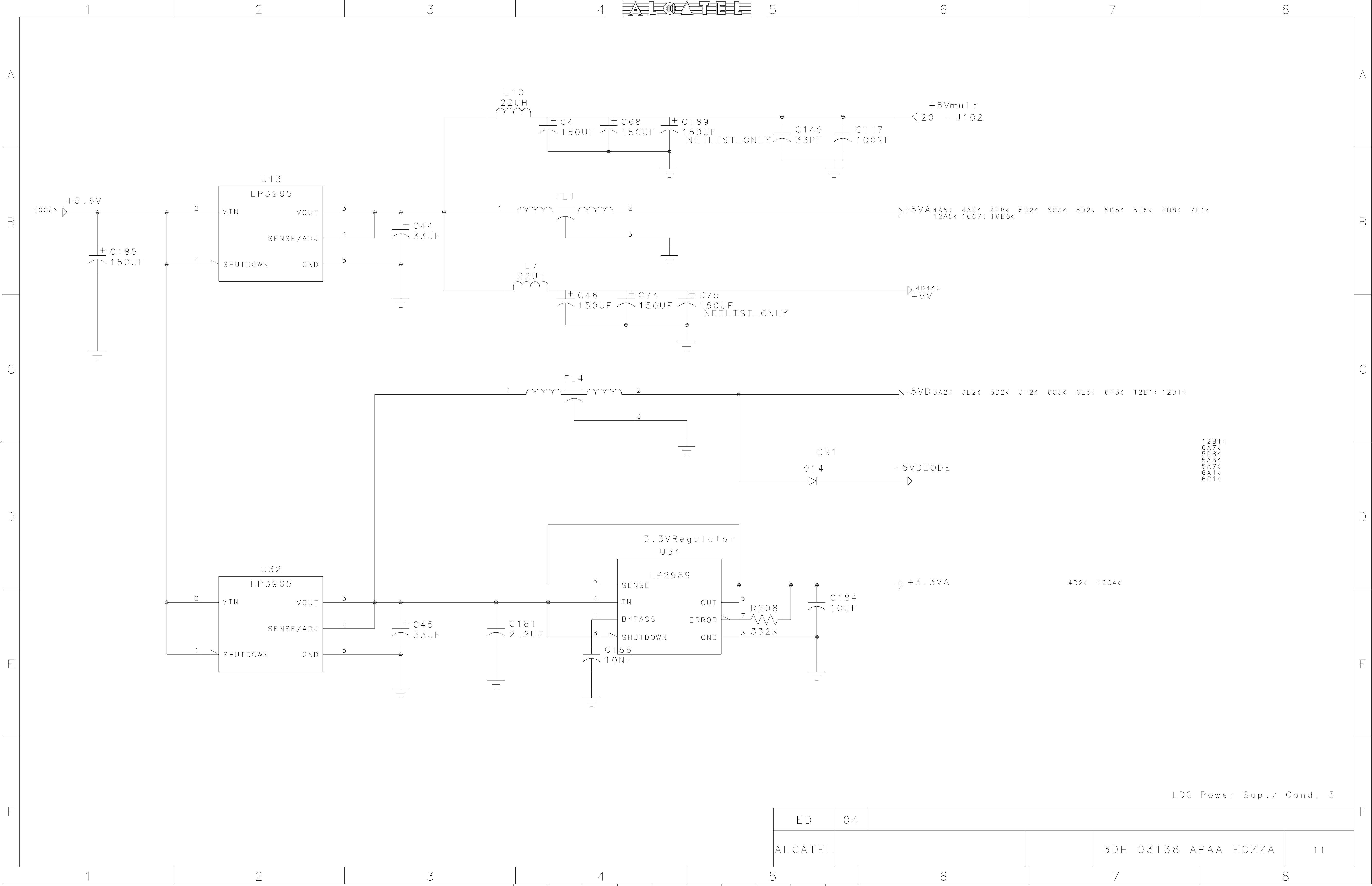


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ED	04		
ALCATEL		3DH 03138 APAA ECZZA	10

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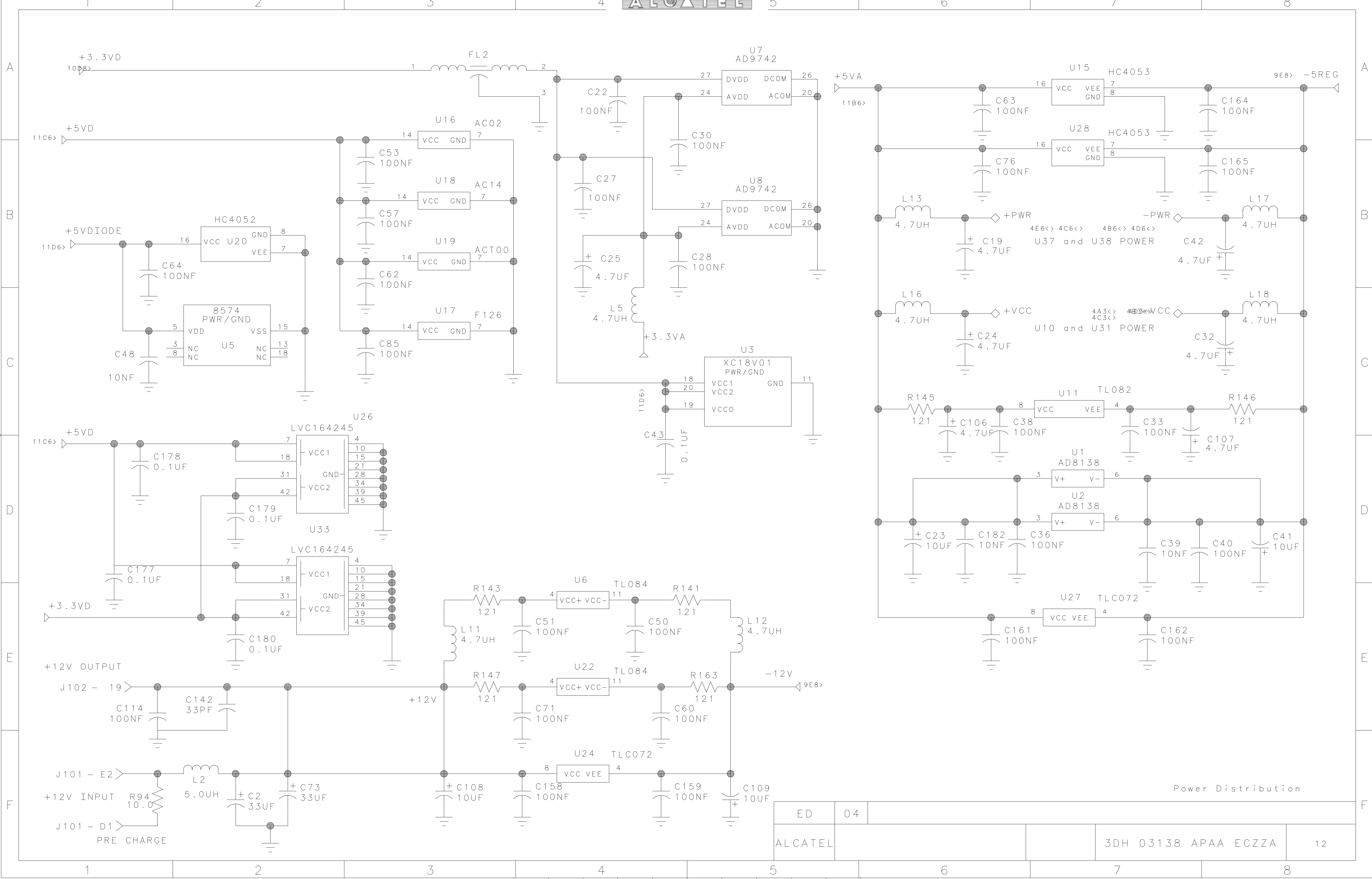


LDO Power Sup./ Cond. 3

ED	04						
ALCATEL						3DH 03138 APAA ECZZA	11

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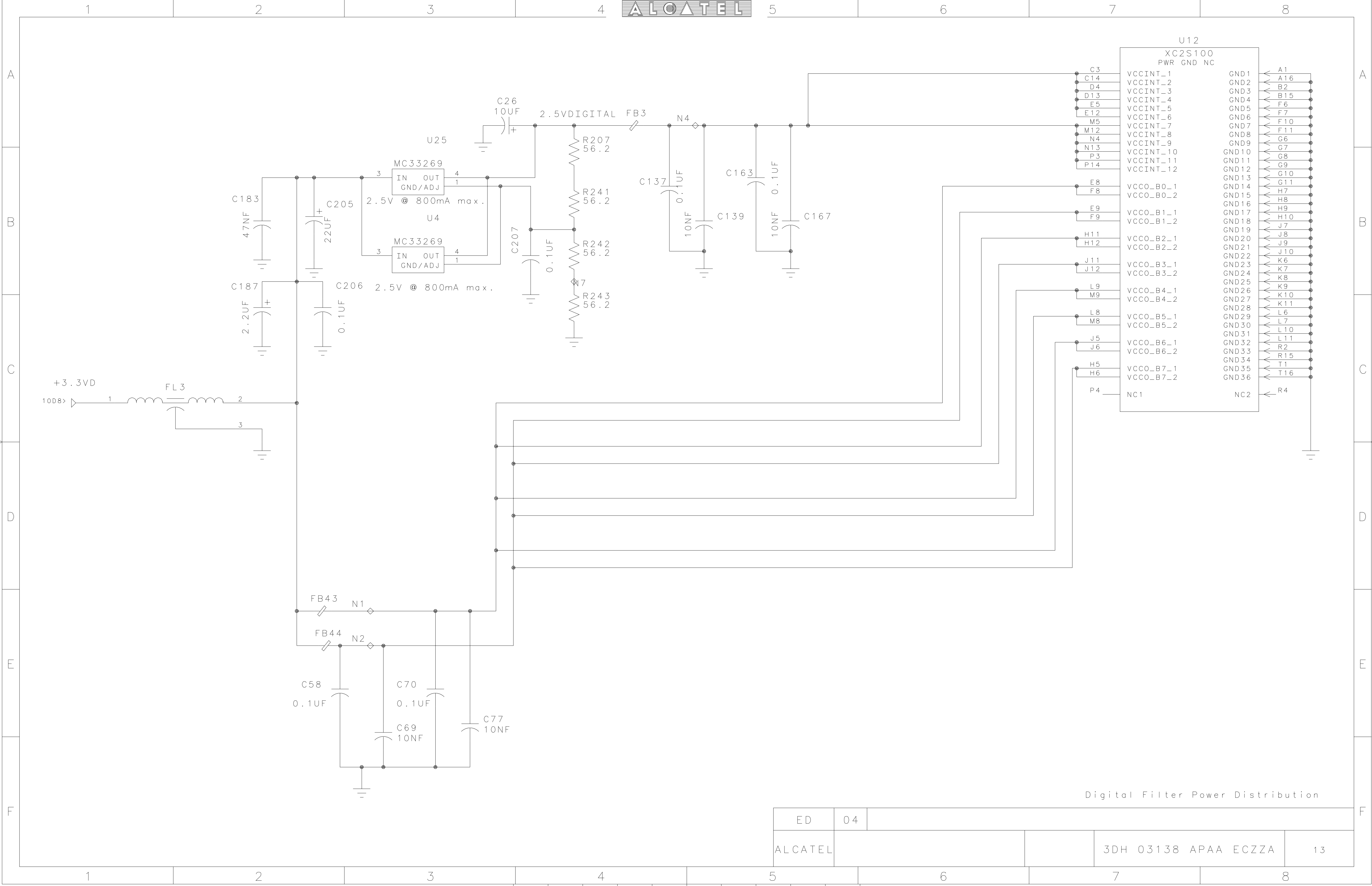
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ED	04	Power Distribution			
ALCATEL	3DH 03138 APAA ECZZA				12

1AA 00014 0000 (9711) B - CONCEPT (PSD 13.6)

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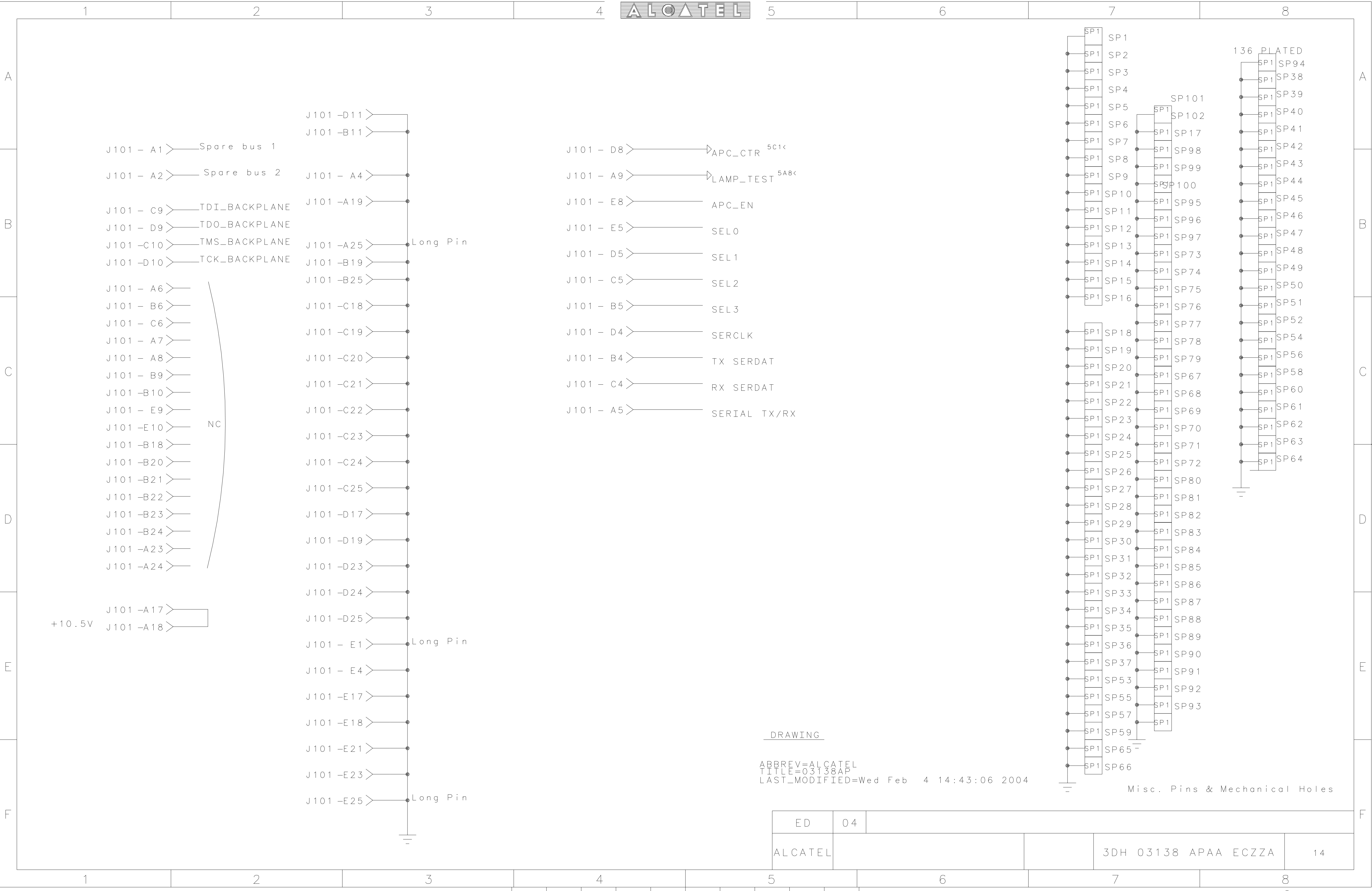


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ED	04		
ALCATEL			3DH 03138 APAA ECZZA
		13	

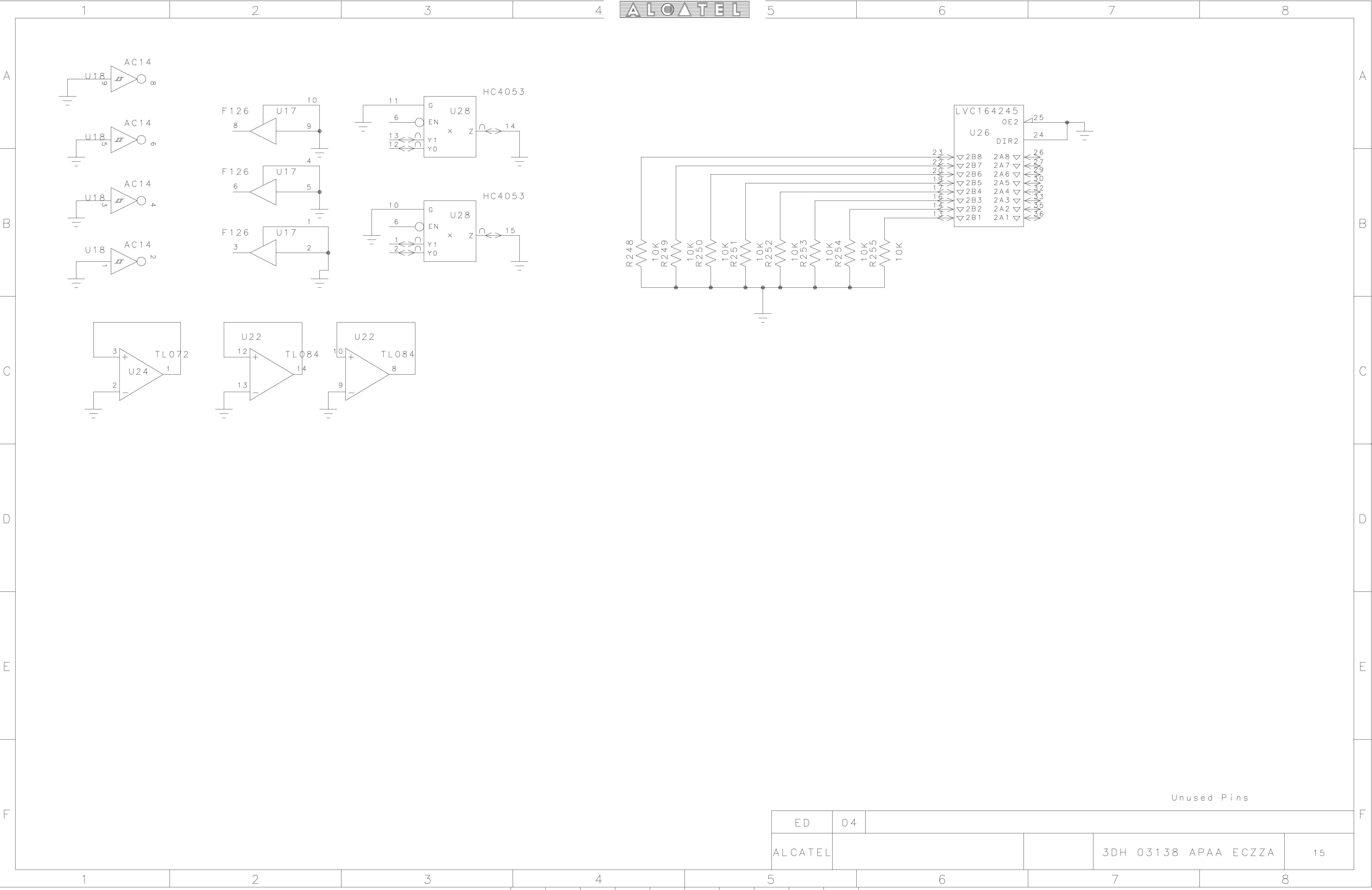
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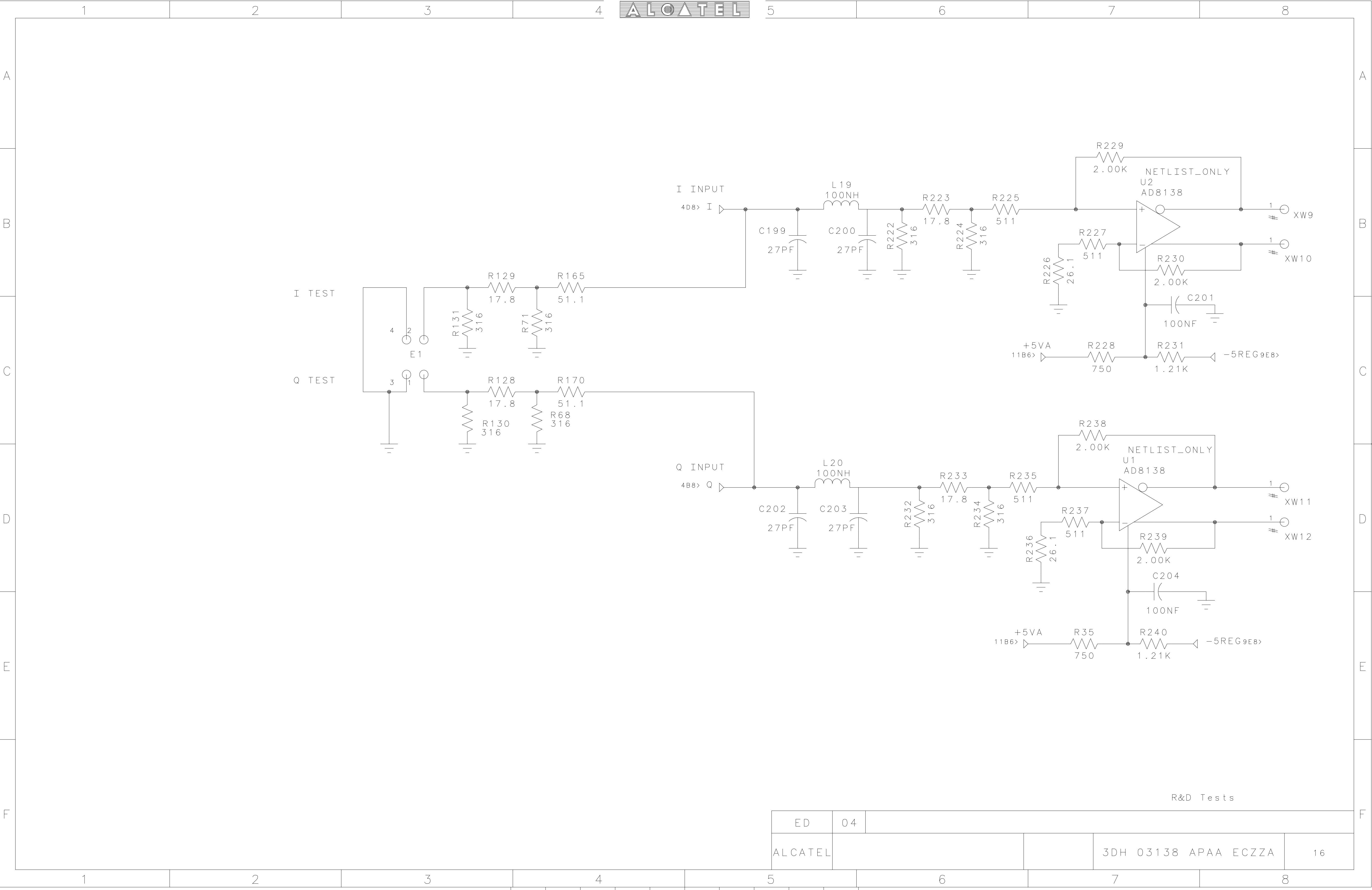
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1		2		3		4		ALCATEL		5		6		7		8																
A	*** Signal Cross-Reference *** --- for the entire design --- +3.3VA11D6> 4D2< 12C4< +3.3VD10D8> 8B1< 8B5< 8C8< 12A1< 12E1< 13C1< +5.6V10C8> 11B1< +5V4D4<> 11B6> +5VA11B6> 4A5< 4A8< 4F8< 5B2< 5C3< 5D2< 5D5< 5E5< 6B8< 7B1< 12A5< 16C7< 16E6< +5VD11C6> 3A2< 3B2< 3D2< 3F2< 6C3< 6E5< 6F3< 12B1< 12D1< +5VDIODE11D6> 5A3< 5A7< 5B8< 6A1< 6A7< 6C1< 12B1< +12VSWITCHER9A2> 10B7< 10C7< 10D1< +PWR4B6<> 4D6<> 12B6<> +VCC4A3<> 4C3<> 12C6<> -5REG9E8> 4A3< 4A8< 4F8< 5C3< 5E1< 5E2< 5F3< 12A8< 16C8< 16E7< -12V9E8> 12E5< -PWR4C6<> 4E6<> 12B7<> -VCC4B3<> 4D3<> 12C7<> 2BCLK3E8> 4D1< APC_CTR14B5> 5C1< I4D8> 16B5< ID13C8> 4D1< ID23B8> 4D1< ID33B8> 4D1< ID43B8> 4D1< ID53B8> 4D1< ID63B8> 4D1< ID73B8> 4D1< ID83B8> 4D1< ID93B8> 4D1< ID103A8> 4C1< ID113A8> 4C1< ID123A8> 4C1< I_NULL5B5> 3E2< LAMP_TEST14B5> 5A8< MSL04F4> 3E2< MSL14F4> 3E2< P25A1<> 6B1<> P35A1<> 6B1<> PA PRES5D1> 6C5< Q4B8> 16D5< QD13D8> 4B1< QD23D8> 4B1< QD33D8> 4B1< QD43D8> 4B1< QD53D8> 4B1< QD63D8> 4B1< QD73C8> 4B1< QD83C8> 4B1< QD93C8> 4B1< QD103C8> 4B1< QD113C8> 4B1< QD123C8> 4A1< Q_NULL5A5> 3E2< RSTF6E2<> 6F1<> 6F5< SCL5A1<> 6B1<> SCL CAP KEY4D4<> 6B4<> SDA5A1<> 6A1<> SDA CAP KEY4D4<> 6A4<> SYS04F4> 3D2< SYS14F4> 3E2< TD08C8> 8C2<																VDD110E2> 10C4< VDD210F2> 10C4< XMT_DISABLE6E1<> 5B2< XMT_ENABLE6D1<> 5B2<															
B																																
C																																
D																																
E																																
F																																
										XMTR BASEBAND																						
										CROSS REFERENCE																						
										ED04																						
										ALCATEL								3DH 03138 APAA ECZZA				17										
1		2		3		4		5		6		7		8																		
		</																														

1			2			3			4			ALCATEL			5			6			7			8																																			
A	R5	RES	9C2				R72	RES	5E2				R139	RES	4A7				R206	RES	10C6																																						
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	R9	RES	3A3				R76	RES	5B3				R143	RES	12E3				R210	RES	5C4																																						
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												XMTR BASEBAND												CROSS REFERENCE																																			
												ED												04																																			
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A	B	C		D		E		F		END OF DOCUMENT		XMTR BASEBAND		CROSS REFERENCE		F		THIS TRANSFER OF COMMODITIES, TECHNOLOGY, OR SOFTWARE, IF FROM THE UNITED STATES, IS AN EXPORT IN ACCORDANCE WITH THE U.S. EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. THE EXPORT OR RE-EXPORT (FURTHER TRANSFER) OF SUCH COMMODITIES, TECHNOLOGY, SOFTWARE, OR PRODUCTS MADE FROM SUCH TECHNOLOGY IS PROHIBITED WITHOUT PROPER AUTHORIZATION(S) FROM THE U.S. DEPARTMENT OF COMMERCE OR OTHER APPROPRIATE U.S. GOVERNMENT AGENCY(S).	
		1		2		3		4		5		6		7		8		COPYRIGHT © ALCATEL	

SP9	SINGLE_PIN	14B7
SP10	SINGLE_PIN	14B7
SP11	SINGLE_PIN	14B7
SP12	SINGLE_PIN	14B7
SP13	SINGLE_PIN	14B7
SP14	SINGLE_PIN	14B7
SP15	SINGLE_PIN	14B7
SP16	SINGLE_PIN	14C7
SP17	SINGLE_PIN	14A7
SP18	SINGLE_PIN	14C7
SP19	SINGLE_PIN	14C7
SP20	SINGLE_PIN	14C7
SP21	SINGLE_PIN	14C7
SP22	SINGLE_PIN	14C7
SP23	SINGLE_PIN	14C7
SP24	SINGLE_PIN	14C7
SP25	SINGLE_PIN	14D7
SP26	SINGLE_PIN	14D7
SP27	SINGLE_PIN	14D7
SP28	SINGLE_PIN	14D7
SP29	SINGLE_PIN	14D7
SP30	SINGLE_PIN	14D7
SP31	SINGLE_PIN	14D7
SP32	SINGLE_PIN	14D7
SP33	SINGLE_PIN	14E7
SP34	SINGLE_PIN	14E7
SP35	SINGLE_PIN	14E7
SP36	SINGLE_PIN	14E7
SP37	SINGLE_PIN	14E7
SP38	SINGLE_PIN	14A8
SP39	SINGLE_PIN	14A8
SP40	SINGLE_PIN	14A8
SP41	SINGLE_PIN	14A8
SP42	SINGLE_PIN	14B8
SP43	SINGLE_PIN	14B8
SP44	SINGLE_PIN	14B8
SP45	SINGLE_PIN	14B8
SP46	SINGLE_PIN	14B8
SP47	SINGLE_PIN	14B8
SP48	SINGLE_PIN	14B8
SP49	SINGLE_PIN	14B8
SP50	SINGLE_PIN	14B8
SP51	SINGLE_PIN	14C8
SP52	SINGLE_PIN	14C8
SP53	SINGLE_PIN	14E7
SP54	SINGLE_PIN	14C8
SP55	SINGLE_PIN	14E7
SP56	SINGLE_PIN	14C8
SP57	SINGLE_PIN	14E7
SP58	SINGLE_PIN	14C8
SP59	SINGLE_PIN	14E7
SP60	SINGLE_PIN	14C8
SP61	SINGLE_PIN	14C8
SP62	SINGLE_PIN	14C8
SP63	SINGLE_PIN	14D8
SP64	SINGLE_PIN	14D8
SP65	SINGLE_PIN	14F7
SP66	SINGLE_PIN	14F7
SP67	SINGLE_PIN	14C7
SP68	SINGLE_PIN	14C7
SP69	SINGLE_PIN	14C7
SP70	SINGLE_PIN	14C7
SP71	SINGLE_PIN	14D7
SP72	SINGLE_PIN	14D7
SP73	SINGLE_PIN	14B7
SP74	SINGLE_PIN	14B7
SP75	SINGLE_PIN	14B7

SP76	SINGLE_PIN	14C7
SP77	SINGLE_PIN	14C7
SP78	SINGLE_PIN	14C7
SP79	SINGLE_PIN	14C7
SP80	SINGLE_PIN	14D7
SP81	SINGLE_PIN	14D7
SP82	SINGLE_PIN	14D7
SP83	SINGLE_PIN	14D7
SP84	SINGLE_PIN	14D7
SP85	SINGLE_PIN	14D7
SP86	SINGLE_PIN	14D7
SP87	SINGLE_PIN	14E7
SP88	SINGLE_PIN	14E7
SP89	SINGLE_PIN	14E7
SP90	SINGLE_PIN	14E7
SP91	SINGLE_PIN	14E7
SP92	SINGLE_PIN	14E7
SP93	SINGLE_PIN	14E7
SP94	SINGLE_PIN	14A8
SP95	SINGLE_PIN	14B7
SP96	SINGLE_PIN	14B7
SP97	SINGLE_PIN	14B7
SP98	SINGLE_PIN	14B7
SP99	SINGLE_PIN	14B7
SP100	SINGLE_PIN	14B7
SP101	SINGLE_PIN	14A7
SP102	SINGLE_PIN	14A7
U1	AD8138	12D7 16D7
U2	AD8138	12D7 16B7
U3	XC18V01	8C3 12C5
U4	POS_VOLTAGE_REGULATOR	13B3
U5	8574	5A4 12C2
U6	TL084	5C2 5C6 5C7 5F2 12E4
U7	AD9742	4A2 12A5
U8	AD9742	4C2 12B5
U9	LM2642	10B3 10D3
U10	AD8007	4D3
U11	TL082	4A6 4E6 12C7
U12	XC2S100	3B6 8B7 8E3 13A7
U13	LP3965	11B2
U14	8582	6A6
U15	HC4053	5B3 5C5 5D3 12A7
U16	AC02	5A6 5B5 5B6 12A3
U17	F126	5A6 12C3 15A2 15B2 15B2
U18	AC14	5B5 6F2 12B3 15A1 15B1
U19	ACT00	5B5 6C6 6D3 6E3 12B3
U20	HC4052	6A3 12B2
U21	33064	6F4
U22	TL084	5D5 5F4 12E4 15C2 15C3
U23	LTC1625	9B3
U24	TL072	7C4 12F4 15C1
U25	POS_VOLTAGE_REGULATOR	13A3
U26	LVC164245	3D5 12C3 15A6
U27	TL072	5D6 5E6 12E7
U28	HC4053	5C5 12A7 15A3 15B3
U31	AD8007	4B3
U32	LP3965	11D2
U33	LVC164245	3B5 3C5 12D2
U34	LP2989	11D4
U37	AD8007	4D6
U38	AD8007	4B6
VR1	ZENER_S0T23	5D7
VR2	LM4040	7C3
XW1	SQ_1_420	3E2
XW2	SQ_1_420	3E2
XW3	SQ_1_420	3F2
XW4	SQ_1_420	3F2

XW5	SQ_1_420	3E3
XW6	SQ_1_420	3E3
XW7	SQ_1_420	3F3
XW8	SQ_1_420	3F3
XW9	SQ_1_420	16B8
XW10	SQ_1_420	16B8
XW11	SQ_1_420	16D8
XW12	SQ_1_420	16D8
XW13	SQ_1_420	5C7
XW27	SQ_1_420	5C7
XW29	SQ_1_420	5C7

ED	04										
ALCATEL							3DH 03138 APAA ECZZA			20	

SP9 SINGLE_PIN 14B7
SP10 SINGLE_PIN 14B7
SP11 SINGLE_PIN 14B7
SP12 SINGLE_PIN 14B7
SP13 SINGLE_PIN 14B7
SP14 SINGLE_PIN 14B7
SP15 SINGLE_PIN 14B7
SP16 SINGLE_PIN 14C7
SP17 SINGLE_PIN 14A7
SP18 SINGLE_PIN 14C7
SP19 SINGLE_PIN 14C7
SP20 SINGLE_PIN 14C7
SP21 SINGLE_PIN 14C7
SP22 SINGLE_PIN 14C7
SP23 SINGLE_PIN 14C7
SP24 SINGLE_PIN 14C7
SP25 SINGLE_PIN 14D7
SP26 SINGLE_PIN 14D7
SP27 SINGLE_PIN 14D7
SP28 SINGLE_PIN 14D7
SP29 SINGLE_PIN 14D7
SP30 SINGLE_PIN 14D7
SP31 SINGLE_PIN 14D7
SP32 SINGLE_PIN 14D7
SP33 SINGLE_PIN 14E7
SP34 SINGLE_PIN 14E7
SP35 SINGLE_PIN 14E7
SP36 SINGLE_PIN 14E7
SP37 SINGLE_PIN 14E7
SP38 SINGLE_PIN 14A8
SP39 SINGLE_PIN 14A8
SP40 SINGLE_PIN 14A8
SP41 SINGLE_PIN 14A8
SP42 SINGLE_PIN 14B8
SP43 SINGLE_PIN 14B8
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SP48 SINGLE_PIN 14B8
SP49 SINGLE_PIN 14B8
SP50 SINGLE_PIN 14B8
SP51 SINGLE_PIN 14C8
SP52 SINGLE_PIN 14C8
SP53 SINGLE_PIN 14E7
SP54 SINGLE_PIN 14C8
SP55 SINGLE_PIN 14E7
SP56 SINGLE_PIN 14C8
SP57 SINGLE_PIN 14E7
SP58 SINGLE_PIN 14C8
SP59 SINGLE_PIN 14E7
SP60 SINGLE_PIN 14C8
SP61 SINGLE_PIN 14C8
SP62 SINGLE_PIN 14C8
SP63 SINGLE_PIN 14D8
SP64 SINGLE_PIN 14D8
SP65 SINGLE_PIN 14F7
SP66 SINGLE_PIN 14F7
SP67 SINGLE_PIN 14C7
SP68 SINGLE_PIN 14C7
SP69 SINGLE_PIN 14C7
SP70 SINGLE_PIN 14C7
SP71 SINGLE_PIN 14D7
SP72 SINGLE_PIN 14D7
SP73 SINGLE_PIN 14B7
SP74 SINGLE_PIN 14B7
SP75 SINGLE_PIN 14B7

SP76 SINGLE_PIN 14C7
SP77 SINGLE_PIN 14C7
SP78 SINGLE_PIN 14C7
SP79 SINGLE_PIN 14C7
SP80 SINGLE_PIN 14D7
SP81 SINGLE_PIN 14D7
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SP84 SINGLE_PIN 14D7
SP85 SINGLE_PIN 14D7
SP86 SINGLE_PIN 14D7
SP87 SINGLE_PIN 14E7
SP88 SINGLE_PIN 14E7
SP89 SINGLE_PIN 14E7
SP90 SINGLE_PIN 14E7
SP91 SINGLE_PIN 14E7
SP92 SINGLE_PIN 14E7
SP93 SINGLE_PIN 14E7
SP94 SINGLE_PIN 14A8
SP95 SINGLE_PIN 14B7
SP96 SINGLE_PIN 14B7
SP97 SINGLE_PIN 14B7
SP98 SINGLE_PIN 14B7
SP99 SINGLE_PIN 14B7
SP100 SINGLE_PIN 14B7
SP101 SINGLE_PIN 14A7
SP102 SINGLE_PIN 14A7
U1 AD8138 12D7 16D7
U2 AD8138 12D7 16B7
U3 XC18V01 8C3 12C5
U4 POS_VOLTAGE_REGULATOR 13B3
U5 8574 5A4 12C2
U6 TL084 5C2 5C6 5C7 5F2 12E4
U7 AD9742 4A2 12A5
U8 AD9742 4C2 12B5
U9 LM2642 10B3 10D3
U10 AD8007 4D3
U11 TL082 4A6 4E6 12C7
U12 XC25100 3B6 8B7 8E3 13A7
U13 LP3965 11B2
U14 8582 6A6
U15 HC4053 5B3 5C5 5D3 12A7
U16 AC02 5A6 5B5 5B6 12A3
U17 F126 5A6 12C3 15A2 15B2 15B2
U18 AC14 5B5 6F2 12B3 15A1 15B1
U19 ACT00 5B5 6C6 6D3 6E3 12B3
U20 HC4052 6A3 12B2
U21 33064 6F4
U22 TL084 5D5 5F4 12E4 15C2 15C3
U23 LTC1625 9B3
U24 TL072 7C4 12F4 15C1
U25 POS_VOLTAGE_REGULATOR 13A3
U26 LVC164245 3D5 12C3 15A6
U27 TL072 5D6 5E6 12E7
U28 HC4053 5C5 12A7 15A3 15B3
U31 AD8007 4B3
U32 LP3965 11D2
U33 LVC164245 3B5 3C5 12D2
U34 LP2989 11D4
U37 AD8007 4D6
U38 AD8007 4B6
VR1 ZENER_SOT23 5D7
VR2 LM4040 7C3
XW1 SQ_1_420 3E2
XW2 SQ_1_420 3E2
XW3 SQ_1_420 3F2
XW4 SQ_1_420 3F2

XW5 SQ_1_420 3E3
XW6 SQ_1_420 3E3
XW7 SQ_1_420 3F3
XW8 SQ_1_420 3F3
XW9 SQ_1_420 16B8
XW10 SQ_1_420 16B8
XW11 SQ_1_420 16D8
XW12 SQ_1_420 16D8
XW13 SQ_1_420 5C7
XW27 SQ_1_420 5C7
XW29 SQ_1_420 5C7