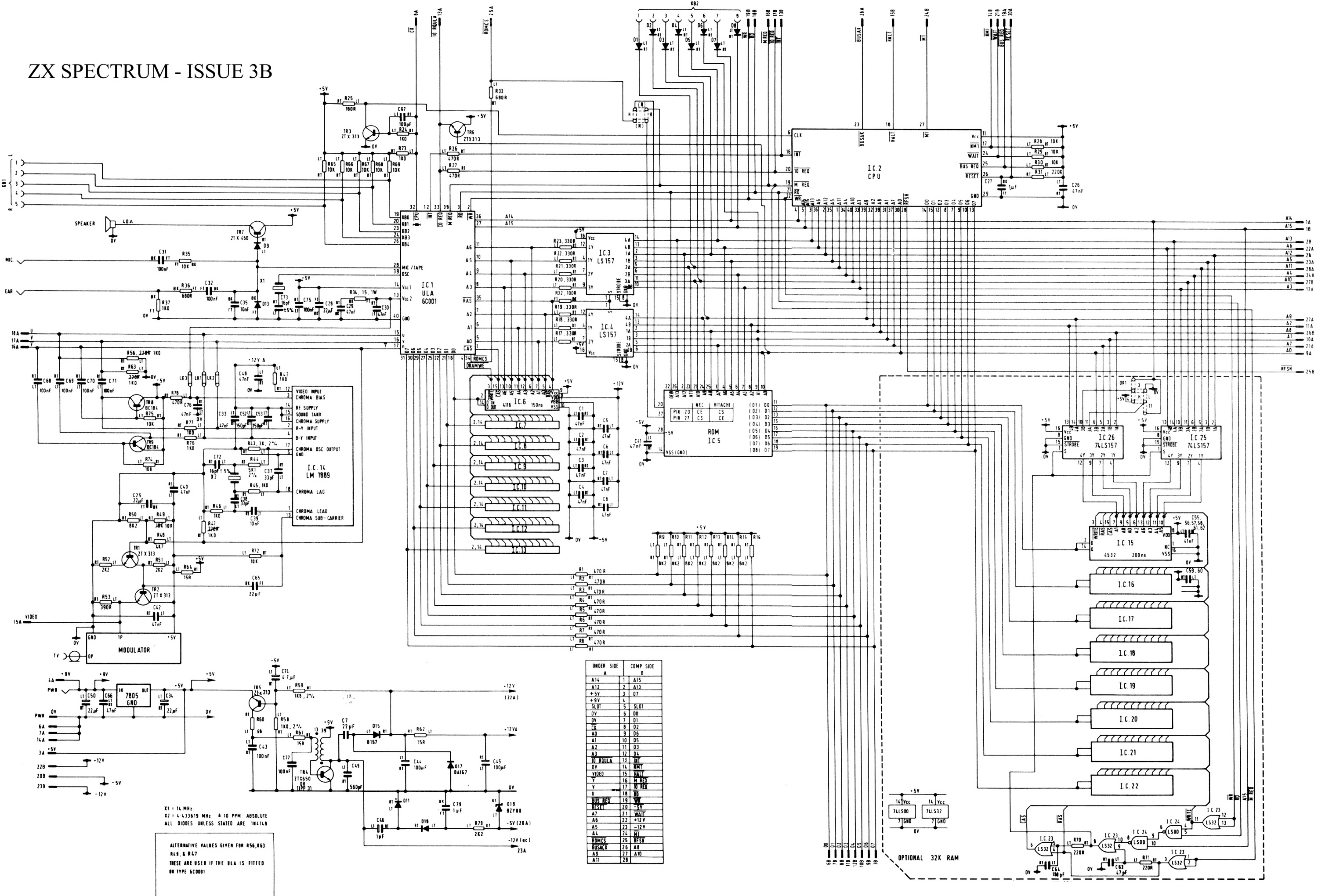


# ZX SPECTRUM - ISSUE 3B



X1 = 14 MHz  
 X2 = 4.433619 MHz ± 10 PPM ABSOLUTE  
 ALL DIODES UNLESS STATED ARE 1N4148

ALTERNATIVE VALUES GIVEN FOR R56, R63, R69, & R47  
 THESE ARE USED IF THE ULA IS FITTED  
 ON TYPE 6C001

UNDER SIDE	A	COMP SIDE	B
A14	1	A15	
A12	2	A13	
+5V	3	D7	
+5V	4		
SLOT	5	SLOT	
DY	6	D0	
DY	7	D1	
CE	8	D2	
AD	9	D6	
A1	10	D5	
A2	11	D3	
A3	12	D4	
IO ROULA	13	INT	
DY	14	HWY	
VIDEO	15	HALT	
Y	16	M REQ	
V	17	W REQ	
U	18	RD	
BUS REQ	19	WR	
RESET	20	-5V	
A7	21	WAIT	
A6	22	+12V	
A5	23	-12V	
A4	24	MI	
ROMCS	25	RFSH	
BUSACK	26	A8	
A9	27	A10	
A11	28		

OPTIONAL 32K RAM