

la .	P	2
te · ·	O	21 (b)
1		
(h) sol (i) switch debounce.	
XI D Count	Switch debounce: based Method: Measure Switch val	lue veneated
Value must be	Sama for A Dalla to be considere	el stable.
must be	same for N polls to be considere	unstable
Digital filter	based method = which is	7
0		
Ilter (with sch	simulation of low pass and with trigger) to	stable
palize switch d		•
)(ii) vequivemen		11"
	-aware devices must have tri-state	ouputs
D the bus-	-aware devices must connect with the ad	duess bus
or data bus) d	rectu	
(2) the 1110	avera davina have quitable address	
3) the bus.	aware devices have suitable address.	
3) the bus.	- aware devices have suitable address.	
	- aware devices have suitable address.	
	No is ob (1011 0001)	
(iii) ADCO	No is ob (1011 0001)	
) (iii) ADCO	- aware devices have suitable address.	
(iii) ADCO	No is ob (1011 0001)	
(iii) ADCO	No is ob (1011 0001)	
) (iii) ADCO	No is ob (1011 0001)	
) (iii) ADCO	No is ob (1011 0001)	
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) (iii) ADCO	No is ob (1011 0001)	

No. Data (Q 2 . (b)	Hanlin CAI.	P4/P6
sol.		a2.
	8 0 2	
I boud Rate:	9600 Symbol / sec	
num Data Bit Per	Word: 8 data bit per	asychronous word
parity =	odd parity bit	uch rangus word
CHAM SUBS DIES	= 2 stop bit per as	0
(TT) 5 0×41 =0	6(0100 0001)	
J 0408 = 0	, b(0000 (000)	parity odd parity P St 0 00 1 0 0 0 0 0 SP SP top bit STOP
MARK - IST	I a a a a a la la la se se	DIST O O O O O O SP SP
SPACE A	taxt Pit	7 32 0 00 1 1 0 0 0 0 0 0 1
START	W C O C	STOP
= 1 start Bi. = 12 bit	diagram given above, one t + 8 word bit + 1 Da	vity bit + 2 step Bit
Hence T:	= 12 × 9600 = 0.00125	
2 Word 1	reed 27, = 0.00250S	
Therefore	$N = \frac{1}{T} = \frac{1}{0.0025} =$	400 sample/sec
The max	rate is 400 (sample/r	ate.)

Campus

