Ex1 Partie1 Proposale I 1/ 192 -> 1100 0000 168 - 1010 1000 10 - 0000 1010 255 -> 1111 1111 2 30000 0010 2/192.168.10.10 -3 209,168.200.223 311010001,10100101,1100100 .1110 0101 172,16.18.183 -> 1010 1100. 00010000,00010010 10110111 10.86.252.17 -> 00001010.01010110.11111100 . 00010001 255.255.255.128 -> 1111 1111.1111 .1111 (111.1000 255.255.192.0 -> 1111 1111.1111111.11000000.0000 Ex2 1/ IP 172.16.145.129 1010 1100.000 10000.10010001.

Masque 255.255.0.0 1111111.1111111.00020000.000001

N 172.16.0.0 1010 1100.0001 0000.0

L

```
notocole I
 2/
IP | 192. 168. 10. 10 | 1 100 0000, 1010 1000, 0000 1010, 0000 1016
Masg 255.255.0.6
                 [11] 1111.1111 [111.00000000.0000 0000
N/192.168.
                1100 0000.1010 1000 .
5/
IP | 192.169-68.210 | 1100 0000.1010 1000.01000100.11010010
   255. 255 , 255 . 128 1111 1111 1111 . 1111 1111 . 1000 0000
   192.168.69.128/11000000.10101000.01000100.10000000
41
172.16.188.15 / 10101100.00010000.1011 1100.00001111
172.16.176.0 10101100-00010000.10110000.0000000
10.172.2.8 | 0000 1010. 1010 1100. 0000 0010. 0000 1000
255. 724.0.0 |1111 1111.1110 0000.0000 0000 .0000 6000
Janviel N/M
                                 Musey
208.165.206.217/27 N. N. N. mmah hhhh 155.755.755.224
                                              N
                                            209.165.
                                            200.224
                   N.N.N.H
172,31.45.252/24
                                255.255.255.0 172.31.45.0
                  N.N.N. mmhhhhhh 255.255.255.192 10.1.8.
10.1.8.200/16
                                              192
172.16.117.77/20 N. N. mmmm hhhh. 4 255.255.240.0 172.16.
                                              112.0
```

10.1.1.101/25 N. N. N. mhhh hhhh 255.255.255.128 10.1.1.0 N.N.N. mmmh hhhh 255.255,255. 209.165.202.140/27 224

10.1.1.122

xx555 Precision Timers

NA555, NE555, SA555, SE555

Suppor & Community

Tools & Software

Technical Documents

Sample & Buy

TEXAS INSTRUMENTS

SLFS0221 - SEPTEMBER 1973 - REVISED SEPTEMBER 2014

3 Description

time-delay or mono-stable mode of operation, the timed interval is controlled by a single external of operation, the frequency and duty cycle can be These devices are precision timing circuits capable of producing accurate time delays or oscillation. In the resistor and capacitor network. In the a-stable mode controlled independently with two external resistors and a single external capacitor.

All Parameters Are Tested Unless Otherwise

Testing of All Parameters

Fingerprint Biometrics

Iris Biometrics RFID Reader

Applications

On Products Compliant to MIL-PRF-38535, Noted. On All Other Products, Production Processing Does Not Necessarily Include

Up to 200 mA

TTL-Compatible Output Can Sink or Source

Adjustable Duty Cycle

Timing From Microseconds to Hours Astable or Monostable Operation

and one-third, respectively, of V_{cc}. These level, the flip-flop is set, and the output goes high. If the trigger input is above the trigger level and the input can override all other inputs and can be used to initiate a new timing cycle. When RESET goes low, the flip-flop is reset, and the output goes low. When the output is low, a low-impedance path is provided legels can be altered by use of the control-voltage flop is reset and the output is low. The reset (RESET) The threshold and trigger levels normally are tworeminal. When the trigger input falls below the trigger threshold input is above the threshold level, the flipbetween discharge (DISCH) and ground

The output circuit is capable of sinking or sourcing current up to 200 mA. Operation is specified for supplies of 5 V to 15 V. With a 5-V supply, output levels are compatible with TTL inputs.

Device Information⁽¹⁾

PART NUMBER	PACKAGE	BODY SIZE (NOM)
	PDIP (8)	9.81 mm × 6.35 mm
	SOP (8)	6.20 mm × 5.30 mm
оссхх	TSSOP (8)	3.00 mm × 4.40 mm
	SOIC (8)	4 90 mm × 3.91 mm

(1) For all available packages, see the orderable addendum at

2/10.101.99,17/23	1 0 H 3 de P	10.101.38.0 10.101.98.255
10.1.8.200/26	10.1.8.193	10.1.8.192
172.16.117.17/20	172, 16, 112. 1	172.16.112.0
10.1.1.101/25	10.1.1.1	10.1.1.0
209.165.202.140/27	209.165.202.128	209.165.202.127
192.168.28.45/28 ExZ	192.168.28.33	192.168.28.32
1/ Broadcast	c/ N	
2/ hote	7/ bradcast	
3/hote	8/ hote	
4/hdr	9/ mulli	
9/ horc		

G

-

7/ Public 7 Privee; Protocol 1
2/ 8/ n 70. x x 18 9
3/ Privee 3/ n 172.16. x x 172.31. x 1/16
1/ Privée
5/ Public
6/ Privee

3/ 1/ oui

3/ oui

4/ oui

4/ oui (dermite EP)

5/ mon: Broadcast

6/ oui (regarde 102: pain)

7/ mon (mull: dig)

8/ oui

```
Pontie 3
                                 Protocole I
Ex2
ITI NPCA:
     192.168.1.16 /28
  2/NPCB:
      192.168.1.32/28
   3/ mom
   4/192.168.1.30 /28
2/1/ PCA: 10.0.0.16; M: 255.254.0.0
       NPCA: 10.0.0.0.0/15
    2/ NPCB: 10.0.0.0/15
    3/ 001
    4/ 10.0.0.1/15
 1/ 1140: 10001100 | 2/27: 1110 03011
132: 11000006 | 248: 111112006
      N: 172.16.128.0/18 N:192.168.184.224/29
   2/ pass: 172, 18. (28.1/2/pass:
                          192.168.184.225
```

I C POLYT

Exercice 1;

Partiet

240: 1111 0000

Ls 172.16.64.0 /20

1. 4

2. 24=16 (sur les 4 bits, 0 00 1)

3. 12 (8+4)

4. 2¹²-2 5. 172.16.64.0 /20 6. 172.16.64.1/20

7. 172.16.79.254/20

6. 171.16.79.255/20

Exercice 2:

139:10030 1011

224: 11/20 0000

55 N: 192.168.200.128/27

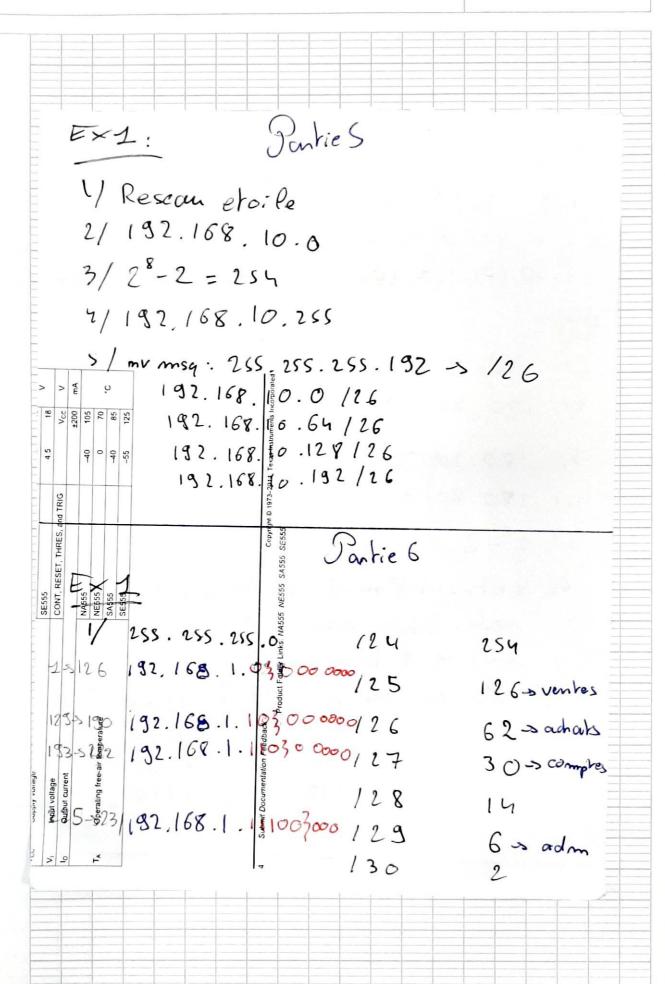
5. 191. 168.200.128/27

6. 132, 168.200.129/27

7. 137.168.200.158/17

8. 192.168.200,159/27

Protocole I EX3 TO26 1.9 2.29 3.15 4.25-2 5.10.101.0.0/17 6.10.101.0.1/17 7.10.101.127.254/17 8.10.101.127.255/17 EXY 1/ 180.20.30.64/26 2/ 180.20.30.65 126 3/ 180.20.30.126/26 4/ 180.20.30.127/26 5/ 26-2 61 4 bits C=> 8 madines (14 masi) neste: 2 bits pour ss N Soit 4 8 N 7/180.20.30.64/28 01-2 80 0100 96 0101 112 0110 0111



=214.123.115.208/28

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Ex2 N: 214.123.115.0 1/ 24 = 16 SS N 2/ 24-2 = 14 hores pan 35 N 3/214.123.115.01011111

4/14.16=224

Ex3 1 4 à 25-30 hô => Sb pour hô => /27 6 à 10 hō => 46 pour ho => /28 2/ 214.923.115.0027 = 214.123.115.0/27 0011 --- = 214.123.115.32/27 2 10} --- - 214.123.115.64/27 0112 --- = 214-123.115.36/27 10003--- = 214.123.115.128/28 10017--- = 214.123.115.144/28 1010(---=214.123.115.160128 - - - = 214.123.115.176/28 www.univ-lorraine.fr - - - = 214.123.115.192/28



3/4/25-2) + 6(24-2) = 204 ho 4/ plus d'ad. sauvées