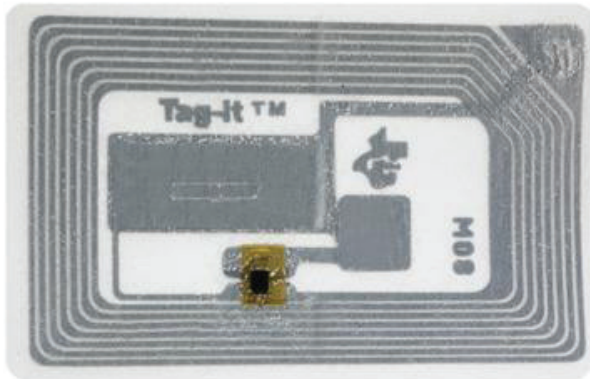


IDT-3000MF

Eticheta de proximitate autoadeziva cu cip MIFARE S50 (13.56MHz)

Imagine



Descriere

IDT-3000MF este o eticheta de proximitate autoadeziva, cu cip Mifare S50 (13.56Mhz) ce poate fi folosita in diverse aplicatii de control acces.

Caracteristici

- Cip MIFARE S50 (13.56Mhz)
- Memorie EEPROM 1KB (16 sectoare x 4 blocuri x 16 bytes)
- Distanța de operare: 100mm (depinde de amplasarea antenei)
- Protecție la descarcari electrostatice (1000V)
- Format Wiegand 34
- Autoadeziva

Specificatii

- Funcție anti-coliziune
- Distanța de operare: 100 mm (depinde de amplasarea antenei)
- Protecție la descarcari electrostatice (1000 V)
- Securitate sporita
- Timp de procesare al tranzactiei de ticketing mai mic de 100ms
- Rata de transfer: 106 kbit/s
- Memorie EEPROM organizata in 16 sectoare si 4 blocuri (un bloc - 16 biti)
- Perioada de retentie a datelor: 10 ani
- Cicluri de scriere: 100.000
- Temperatura de operare: -40 ~ +65 °C

Simbol	Parametri	Conditii	Min	Tip	Max	Unitate
C _i	Capacitanta		14.4	16.1	17.4	pF
f _i	Frecventa		-	13.56	-	MHz

Caracteristici EEPROM

t _{ret}	retentia datelor	amb = 22 °C	10	-	-	an
N _{endu(W)}	scrierea datelor	amb = 22 °C	100000	200000	-	ciclu

T_{amb} = 22 °C, f_i = 13.56 MHz, 2 V RMS.

Timpul de transfer al datelor

	T _{ACK min}	T _{ACK max}	T _{NAK min}	T _{NAK max}	T _{TimeOut}
Transfer	71 μs	T _{TimeOut}	71 μs	T _{TimeOut}	10 ms

Timpul de scriere a datelor

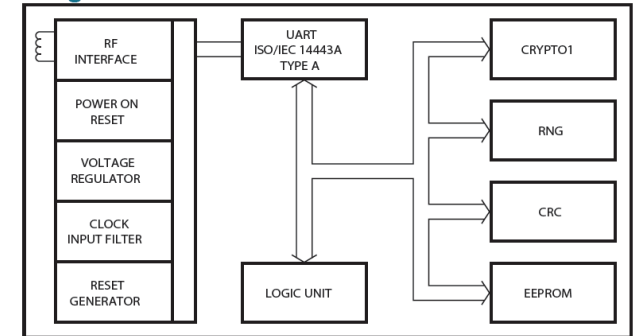
	T _{ACK min}	T _{ACK max}	T _{NAK min}	T _{NAK max}	T _{TimeOut}
Write part 1	71 μs	T _{TimeOut}	71 μs	T _{TimeOut}	5 ms
Write part 2	71 μs	T _{TimeOut}	71 μs	T _{TimeOut}	10 ms

	T _{ACK min}	T _{ACK max}	T _{NAK min}	T _{NAK max}	T _{TimeOut}
Increment, Decrement, and Restore part 1	71 μs	T _{TimeOut}	71 μs	T _{TimeOut}	5 ms
Increment, Decrement, and Restore part 2	71 μs	T _{TimeOut}	71 μs	T _{TimeOut}	5 ms

Organizarea memoriei

Sector	Block	Byte Number within a Block																Description
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
15	3	Key A				Access Bits				Key B				Sector Trailer 15				
	2	Data																Data
	1	Data																Data
	0	Data																Data
14	3	Key A				Access Bits				Key B				Sector Trailer 14				
	2	Data																Data
	1	Data																Data
	0	Data																Data
:	:																	
:	:																	
:	:																	
1	3	Key A				Access Bits				Key B				Sector Trailer 1				
	2	Data																Data
	1	Data																Data
	0	Data																Data
0	3	Key A				Access Bits				Key B				Sector Trailer 0				
	2	Data																Data
	1	Data																Data
	0	Manufacturer Data																Manufacturer Block

Diagrama blocurilor



Observatii



EEE FAC OBIECTUL UNEI
COLECTARI SEPARATE

