

UNIQUE 125kHz RFID IC Read Only 64 bits

Features

- 64 bits Read Only memory
- Typical operating frequency : 125kHz
- Contactless power supply, very low power
- Several options of data rate and coding type (*during device manufacturing*)
 - Data Rate : 2, 4 or 8kbaud
 - Modulation type : Manchester, Biphase or PSK
 - Standard Sokymat configuration : Manchester, 2kbaud
- Guaranty of the unicity of the codes
- Special Customer ID codes on request

Memory Organisation

- 9 header bits (*all programmed to "1"*). This sequence of 9 "1" plus the stop bit, cannot be reproduced in the data string and allows the message synchronisation.
- 10 groups of for data bits (*allow 100 billion combinations*)
- 10 line even parity bits, 4 column even parity bits, 1 stop bit (programmed to "0")

1	1	1	1	1	1	1	1	1	1	9 header bits
8 version bits or customer ID				D00	D01	D02	D03	P0		
				D10	D11	D12	D13	P1		
32 data bits				D20	D21	D22	D23	P2		
				D30	D31	D32	D33	P3		
				D40	D41	D42	D43	P4		
				D50	D51	D52	D53	P5		
				D60	D61	D62	D63	P6		
				D70	D71	D72	D73	P7		
				D80	D81	D82	D83	P8		
				D90	D91	D92	D93	P9		
4 column parity bits				C0	C1	C2	C3	Stop		10 line parity bits

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