

UNIQUE 125kHz RFID IC Read Only 64 bits

Features

- 64 bit Read Only memory (EM 4102)
- 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 8kba
 - Modulation type : Manchester, Biphase or PSK
 - Standard Sokymat configuration : Manchester, 2kba
- 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	1	9 header bits																																	
8 version bits or customer ID				D00	D01	D02	D03	D10	D11	D12		D13	P0	P1																														
32 data bits				D20	D21	D22	D23	D30	D31	D32	D33	D40	D41	D42	D43	D50	D51	D52	D53	D60	D61	D62	D63	D70	D71	D72	D73	D80	D81	D82	D83	D90	D91	D92	D93	P2	P3	P4	P5	P6	P7	P8	P9	10 line parity bits
				C0	C1	C2	C3	Stop																																				
				4 column parity bits				C0	C1	C2	C3						Stop																											

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CLF 3.3.5.7 - V2 - 01.10.2001 - Released - DefKey : 6815

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