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Title of Change:		Addressing of CAT24C04, CAT24C08 and CAT24C16										
Effective date:		4 March 2016										
Contact information:		Contact your local ON Semiconductor Sales Office or <ovidiu.tol@onsemi.com></ovidiu.tol@onsemi.com>										
Type of notification:		ON Semiconductor will consider this change accepted.										
Change category:		🗌 Wafer Fab Change 🔄 Assembly Change 🗌 Test Change 🔀 Other: ID page feature										
Change Sub-Categ	Site Change/						 Datasheet/Product Doc change Shipping/Packaging/Marking Other: 					
Sites Affected:	miconductor site	e(s) :	:	External Foundry/Subcon site(s)					con site(s)			
 Description and Purpose: For product shipped starting with Dec 2014 until Feb 2016 please refer to the description below: Bus contention Devices covered under this Product Bulletin will respond to the dedicated EEPROM Slave Address using pre-amble 1010 (Ah), and also to a Slave Address using pre-amble 1011 (Bh), where the latter is used for accessing an additional Identification Page. Therefore, if other devices sharing the I²C bus also respond to the latter Slave Address, then there will be bus contention, which in turn might cause a system error. Device addressing for devices with Page ID The Master initiates a data transfer by creating a START condition on the bus. The Master then broadcasts an 8-bit serial Slave address (or pre-amble) are fixed at 1010 (Ah). The next 3 bits are used as programmable address bits when cascading multiple devices (listed below in upper case) and/or as internal address bits (listed below in lower case). The last bit of the slave address, R/W, specifies whether a Read (1) or Write (0) operation is to be performed. To access the additional Identification Page, the Slave Address pre-amble is fixed at 1011 (Bh) with the internal address bits (a10, a9, a8) as don't cares. 												
	CAT24C04	Memory Arr	ay Access	1	0	1	0	A2	A1	a8	R/W	
		Identification F	Page Access	1	0	1	1	A2	A1	х	R/W	
	CAT24C08	Memory Arr	ay Access	1	0	1	0	A2	a9	a8	R/W	
		Identification F	Page Access	1	0	1	1	A2	х	х	R/W	

For the customers having applications affected by this address feature, ON Semiconductor is ready to replace product with material not having this feature implemented.

1 0 1 0

1 0 1 1

a10

х

a9

х

a8

х

R/W

R/W

Memory Array Access

Identification Page Access

CAT24C16

List of affected Parts:			
CAT24C04WI-GT3	CAT24C08WI-G	CAT24C16WE-GT3	
CAT24C04WI-G	CAT24C08YI-GT3	CAT24C16WI-G	
CAT24C04YI-GT3	CAT24C08YE-GT3	CAT24C16YI-GT3	
CAT24C04YI-G	CAT24C08YI-G	CAT24C16YI-G	
CAT24C04HU4I-GT3	CAT24C08HU4I-GT3	CAT24C16HU4I-GT3	
CAT24C08WI-GT3	CAT24C16WI-GT3		