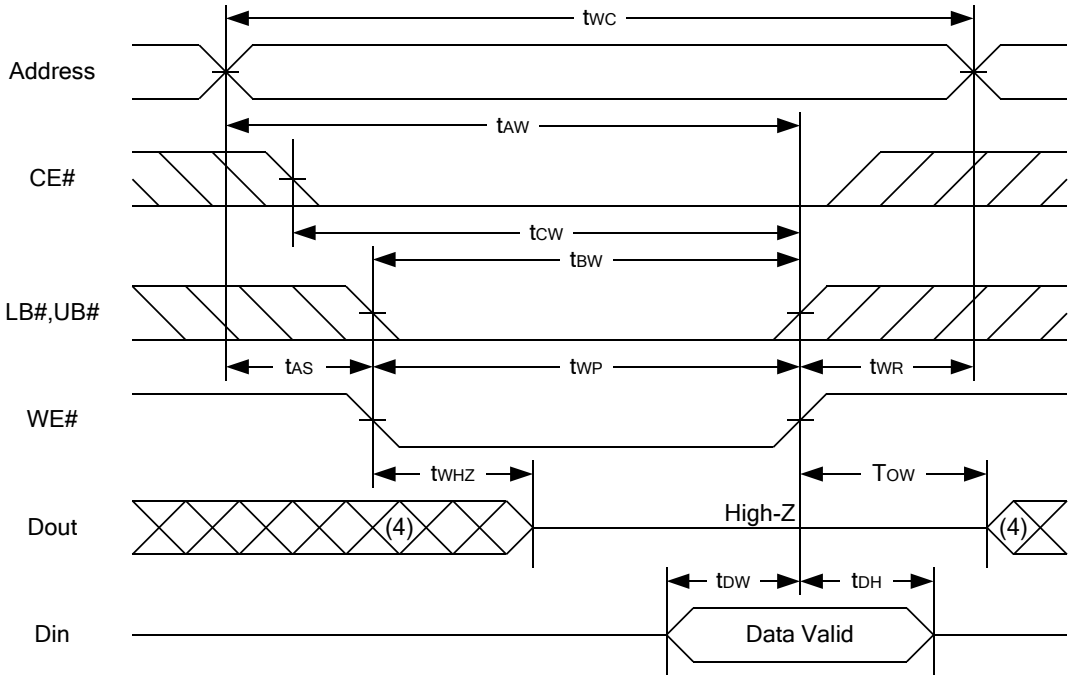
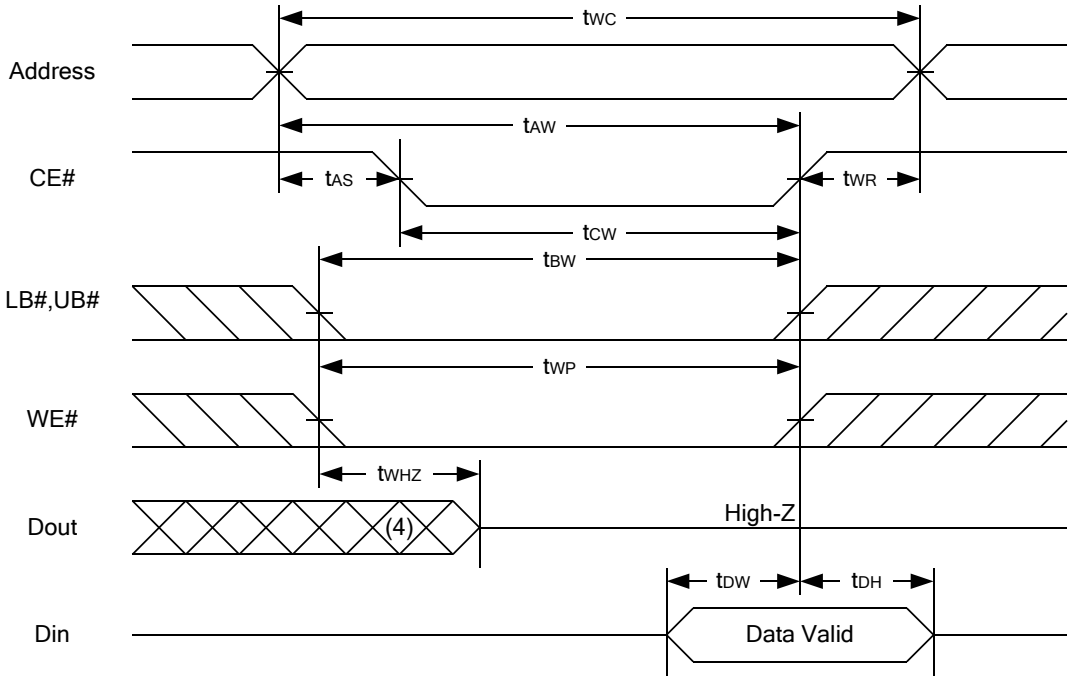
REVISION HISTORY

Revision	Description	Issue Date
Rev. 1.0	Initial Issue	Nov.19.2008
Rev. 1.1	Revised **FEATURES** & **ORDERING INFORMATION** **Lead free and green package available** to **Green package available** Added packing type in **ORDERING INFORMATION** Deleted T_{SOLDER} in **ABSOLUTE MAXIMUM RATINGS** Revised **PACKAGE OUTLINE DIMENSION** in page 11 Revised V_{DR} to 1.5V	May.6.2010
Rev. 1.2	Revised **ORDERING INFORMATION** in page 12	Aug.30.2010
Rev. 1.3	Revised typo in **PRODUCT FAMILY** page 1	Oct.4.2010
Rev. 1.4	Deleted E Grade	Aug.9.2011
Rev. 1.5	Revised typo page 0 ABSOLUTE MAXIMUM RATINGS Revised typo Page 3 - ABSOLUTE MAXIMUM RATINGS Revised Page 12 **- Package option from T(TSOPII) to Z (TSOP II)**	Sep 29 2015

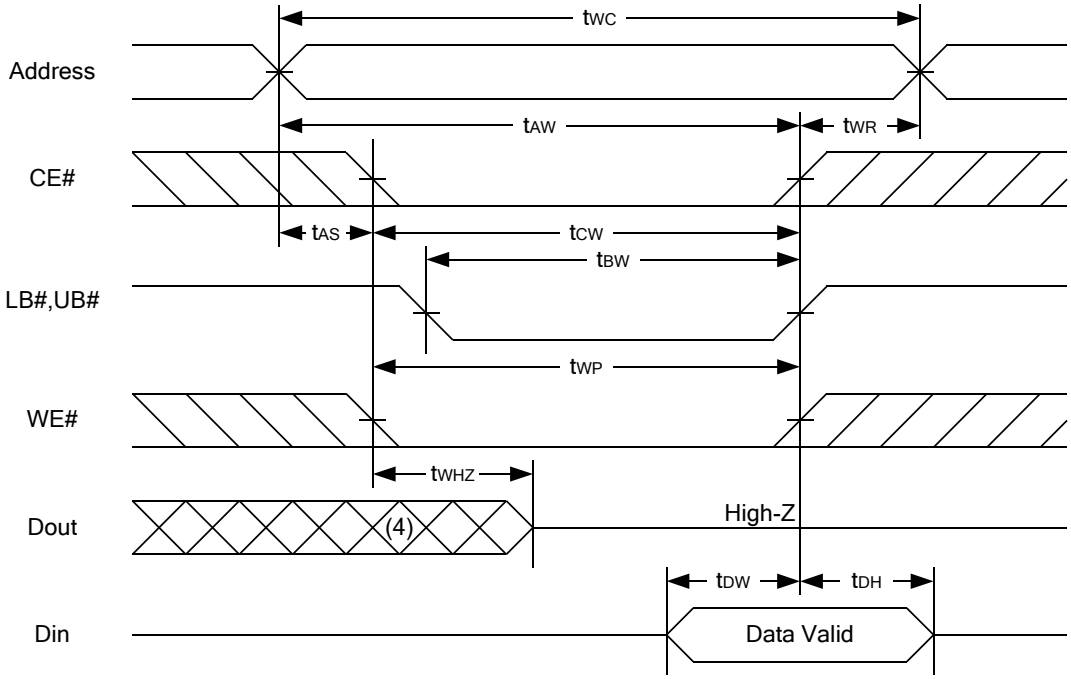
WRITE CYCLE 1 (WE# Controlled) (1,2,3,5,6)



WRITE CYCLE 2 (CE# Controlled) (1,2,5,6)

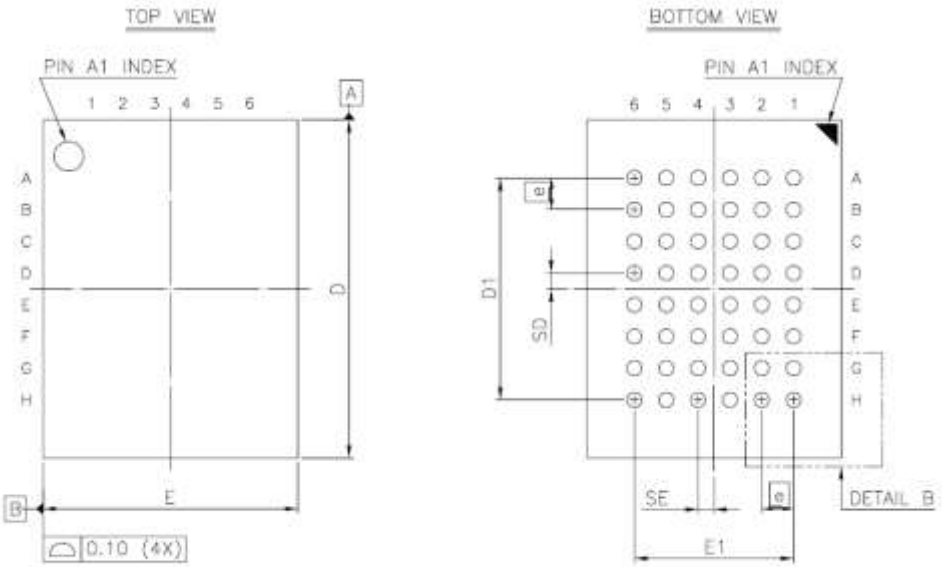


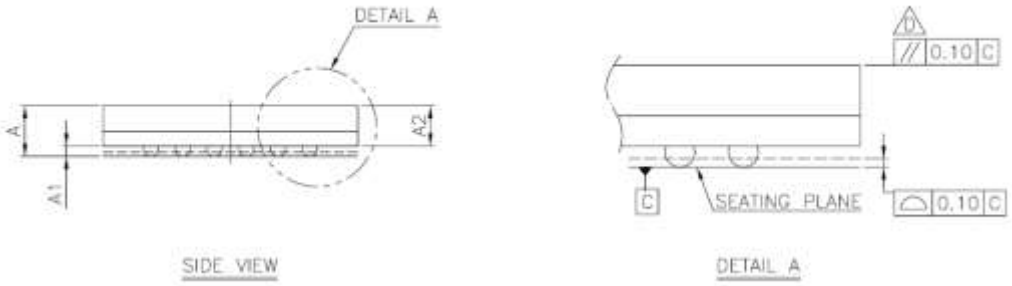
WRITE CYCLE 3 (LB#,UB# Controlled) (1,2,5,6)

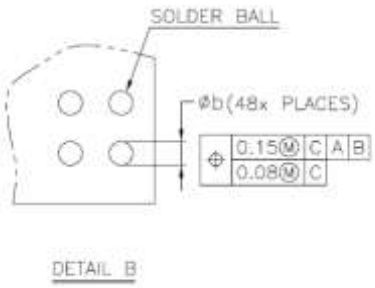


Notes :
1.WE#,CE#, LB#, UB# must be high during all address transitions.
2.A write occurs during the overlap of a low CE#, low WE#, LB# or UB# = low.
3.During a WE# controlled write cycle with OE# low, t_{WP} must be greater than $t_{WHZ} + t_{DW}$ to allow the drivers to turn off and data to be placed on the bus.
4.During this period, I/O pins are in the output state, and input signals must not be applied.
5.If the CE#, LB#, UB# low transition occurs simultaneously with or after WE# low transition, the outputs remain in a high impedance state.
6.t_{OW} and t_{WHZ} are specified with C_L = 5pF. Transition is measured ±500mV from steady state.

48-ball 6mm × 8mm TFBGA Package Outline Dimension







SYM.	DIMENSION (mm)			DIMENSION (inch)		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	—	—	1.20	—	—	0.047
A1	0.20	0.25	0.30	0.008	0.010	0.012
A2	—	—	0.94	—	—	0.037
b	0.30	0.35	0.40	0.012	0.014	0.016
D	7.95	8.00	8.05	0.313	0.315	0.317
D1	5.25 BSC			0.207 BSC		
E	5.95	6.00	6.05	0.234	0.236	0.238
E1	3.75 BSC			0.148 BSC		
SE	0.375 TYP			0.015 TYP		
SD	0.375 TYP			0.015 TYP		
e	0.75 BSC			0.030 BSC		

NOTE:
1. CONTROLLING DIMENSION : MILLIMETER.
2. REFERENCE DOCUMENT : JEDEC MO-207.

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