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 Ref No. : H13-D454-0018
 Date : March 15, 2013

Attn: _____

PROCESS CHANGE NOTICE

Regarding Photo-coupler (SO4/6pin Tr. coupler)

We appreciate your continued patronage of our semiconductor products.
 The changes are planned to the following products. Please review the following contents and the attached sheet. We would appreciate your understanding.

1. Affected Products : (including specific products and (TST) products)

Package	Product Type	
SO4 type	TLP290 (*, E(X	TLP291 (*, E(X
SO6 type	TLP184 (*, E(X	TLP185 (*, E(X

Note) *... CTR rank, X... O: (Buzen) products, JorT: (TST) products

2. Change description : Refer to the attached sheet (page 1 to 14).

No.	Changes	Before change	After change
1)	Consolidation of manufacturing site	<ul style="list-style-type: none"> Buzen Toshiba Electronics Corporation : Japan Toshiba Semiconductor (Thailand) Co.,Ltd. : Thailand 	<ul style="list-style-type: none"> Toshiba Semiconductor (Thailand) Co.,Ltd. : Thailand
2)	Part name is not changed except for adding suffixes	<ul style="list-style-type: none"> Domestic product : ... TLP290(*,E(O Thailand product produced before flooding: ... TLP290(*,E(J 	TLP290(*,SE(T
3)	Change of inner frame shape	See attachment.	See attachment
4)	Addition rank and specification change	BL rank : not available. General rank : Max.400 GB rank : Max.400	BL rank (additional): 200 - 600 General rank : Max.600 GB rank : Max.600

3. Purpose of Change :

- 1), 2) : Productivity improvement by consolidating operation into overseas manufacturing site.
 3) : Improvement of optical coupling efficiency.
 4) : Optimization of specification by improvement of optical coupling efficiency.

4. Product characteristics :

There is no change in Photo and LED chip. However, with change of inner frame shape, optical coupling characteristics are improved.

5. Implementation Schedule :

The changed products are planned to be shipped from the production of May 2013.

6. Request from Toshiba

If you have any question or inconvenience on this issue, please feel free to contact us through our sales representative before April 18, 2013.

Sincerely,

M. Shirahama

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