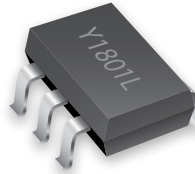




PRODUCT CHANGE NOTIFICATION

TISP® THYRISTOR SURGE PROTECTORS



Bourns® Model TISP4P0xxL1NR-S Series Overvoltage Protectors

Addition of Second Assembly and Test Manufacturing Location

Riverside, California – May 19, 2022 – Effective August 1, 2022, Bourns will establish a second assembly and test manufacturing location for the [Model TISP4P0xxL1NR-S Series Overvoltage Protectors](#). This additional site in the Philippines is being established to accommodate the large increase in demand, secure continuity of supply through capacity expansion and provide maximum flexibility to customers. A list of affected part numbers is included below.

| Affected Part Numbers | | | |
|-----------------------|-----------------|-----------------|-----------------|
| TISP4P015L1NR-S | TISP4P020L1NR-S | TISP4P025L1NR-S | TISP4P035L1NR-S |

The Si fabrication process will not change at this new assembly and test manufacturing site. The interconnect material used at this new site will be changed from gold to copper. This change has been fully qualified and will have no impact on the fit or function of the affected part numbers. As explained below, the form of the parts made at the new site will change because of a small change in the part marking for traceability purposes. The quality, reliability and performance of the overvoltage protectors produced at the new site should not change. The production lead times of these overvoltage protectors should improve gradually as our capacity is expanded. The country of origin will remain the same.

The part marking will be used to identify units produced at the new assembly and test manufacturing site. The lot code (L) of the new site will follow alphabetic characters while the current site will continue to use numbers.

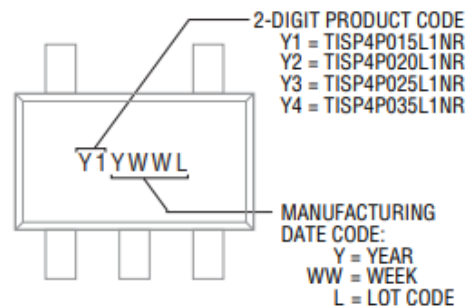
Samples from the new assembly and test manufacturing site are available for evaluation. As with the addition of any new manufacturing site, we recommend that customers test the affected part numbers made at the new site in their specific applications for verification of satisfactory performance.

The implementation date is as follows:

Date that deliveries of products from the new assembly and test manufacturing location will begin: **August 1, 2022**
First date code using the above changes: **2230**

Orders for part numbers listed above received after August 1, 2022 may be filled interchangeably from the existing assembly and test manufacturing site or the new additional site.

Typical Part Marking



If you have any questions or need additional information, please feel free to [contact Customer Service/Inside Sales](#).

Users should verify that the described changes will not impact the performance of the product in their specific applications.

TSP2203