**EP Request Form**



**Instructions: Please use Part I and II of this worksheet to qualify a new EP opportunity. With a qualified opportunity, use Part III to gather the necessary information for TI to conduct the feasibility. Please send the completed worksheet to ep\_requests@list.ti.com and expect a response in 1-2 weeks**

**Part I: Identify the key EP careabouts for the application**

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| --- | --- | --- |
|  | **Yes** | **No** |
| **Extended temp range needed?**  **This can be up to full mil-temp (-55C to 125C), or somewhere in between. Many customers want just extension down to -55C or up to 105C or 125C.** |  |  |
| **Baseline control / traceability?**  **We build EP products in 1 fab, 1 assembly / test site, and 1 material set. This gives traceability and a much higher degree of control over process variations** |  |  |
| **Long lifetime / obsolescence policy?**  **We have never obsoleted an EP product** |  |  |
| **Use of gold bond wire?**  **EP uses gold wire only. Some military customers are concerned about copper wire that many commercial products are migrating to** |  |  |
| **Use of Vendor Item Drawing (V62 part #)?**  **This allows a customer to use a drawing straight from DLA website. Eliminates the need to create a new customer part number / drawing for an EP device** |  |  |
| **Lead finish**  **EP products have NiPdAu lead finish in general, and SnPb for BGA's** |  |  |

**Part II: System-Level-Sell: What are all the EP opportunities on the board?**

The System-level-Sell concept makes it easier for us to release new EP products to the portfolio by strengthening the overall business case. We look for usage of existing EP products where possible, and then to new EP conversions that are needed to complete the system.

**What existing EP products are used on the board?**

[**Link to EP orderable list**](http://www.ti.com/pdfs/hirel/mltry/EP_Orderable_Release_List.pdf)

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| --- | --- | --- |
| TI EP Part # | Usage per board | Boards per year |
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**What are the desired products that you would like converted to EP? Keep in mind that we can convert many (but not all) TI commercial products to EP-grade.**

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| --- | --- | --- | --- |
| TI Commercial Part # | Function (ADC, MCU, etc.) | Usage per board | Boards per year |
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**Part III: Send the opportunity information in for feasibility.**

In order to determine if a TI device can be made available in EP-grade, a feasibility assessment must be completed at the factory to analyze manufacturing flow, test coverage and material set. This feasibility will take 1-2 weeks after the completed form is received by the TI factory. Here is a list of details required.

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| --- | --- |
| Date Of Request: |  |
| Date samples are needed (if any): |  |
| Date production devices are needed: |  |

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| --- | --- |
| Customer Information | |
| Company Name: |  |
| Contact Name: |  |
| Contact Phone: |  |
| Contact Email: |  |
| Address Line 1: |  |
| Address Line 2: |  |
| City and State: |  |
| Postal Code: |  |
| Country: |  |

|  |  |
| --- | --- |
| **TI Sales Contact Information** | |
| Field Contact: |  |
| Phone: |  |
| Email: |  |

|  |  |
| --- | --- |
| **Temperature Requirement** | **Check** |
| -55°C to +125°C |  |
| -55°C to +85°C |  |
| -40°C to +85°C |  |
| -40°C to +125°C |  |
| Other? Please specify |  |

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| --- |
| **Any other special requirements** |
| Please list: |