

***PPAP***

***Technical Specification***

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| **Revision #** | **Date** | **Changes** | **Responsible(s)** |
| **00** | **14/03/2018** | **New Release** | **F. Poggi** |
| **01** | **25/02/2020** | **Added:** Technical Bulletin, Certificate of Conformance in Class 1 (page 3);**Added Packaging Reference in Classes 1 and 2 (page 3);****Added Statistical Process Control (SPC) in Classes 2 and 3 (pages 3 and 4);** | **F. Poggi** |
| **02** | **08/09/2025** | **Chapter 4 (pages 3 and 4): Black and Grey Lists removed, new** ZPSF-2024-0020 Product Compliance entered**;****Chapter 4 (pages 3 and 4): MSA entered:** | **F. Poggi** |
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# PURPOSE

The purpose of this specification is to report all the documents required by ZAPI GROUP (hereinafter called ZAPI) for the PPAP submission.

# APPLICABILITY

This document applies to all the ZAPI Suppliers.

# CATEGORIES

|  |  |  |
| --- | --- | --- |
| **Class 1** | **Class 2** | **Class 3** |
| **Catalogue parts**(e.g. bulk material, standard electronic components) | **Parts on ZAPI drawing**(e.g. heatsinks, plastic covers, gaskets, special parts) | **PCB / PCBA**(printed circuit boards, printed circuit boards assembly) |

# DOCUMENTATION REQUIRED

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| --- | --- |
| **Class** |  **Documents** |
| 1 |  • Samples • ZPSF-2024-0020 Product Compliance (Prohibition and Declaration of Substances)  • Technical Bulletin (e.g. datasheet) • Certificate of Conformance (CoC) • Packaging References |
| 2 |  • Samples • ZPSF-2024-0020 Product Compliance (Prohibition and Declaration of Substances) • Part Submission Warrant (PSW) • Certificate of Conformance (CoC) • Process Flowchart • Process FMEA • Process Control Plan • Dimensional Inspection • Statistical Process Control (SPC) • Measurement System Analysis (MSA) • Raw Material Certification • Chemical Characterization (when applicable e.g. Surface treatments) • Packaging References |
| 3 | PCB | • Samples• ZPSF-2024-0020 Product Compliance (Prohibition and Declaration of Substances)• Part Submission Warrant (PSW)• Certificate of Conformance (CoC)• Process Flowchart• Process FMEA• Process Control Plan• Dimensional Inspection• Statistical Process Control (SPC)• Measurement System Analysis (MSA)• Plating Thickness Report• Wettability Report• Raw Material Certification  |
| PCBA | • Samples• ZPSF-2024-0020 Product Compliance (Prohibition and Declaration of Substances)• Part Submission Warrant (PSW)• Certificate of Conformance (CoC)• Process Flowchart• Process FMEA• Process Control Plan • Measurement System Analysis (MSA)• Statistical Process Control (SPC)• In-Circuit Test Coverage (Components/Nets) |

**Note**: in special cases, any additional information may be required by ZAPI according to ZPSF- 2017-0008 – Supplier Quality Book.