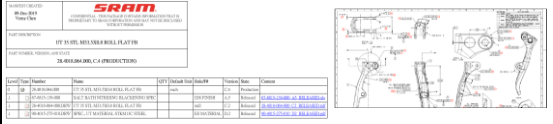

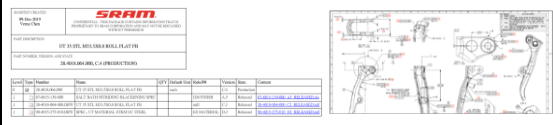

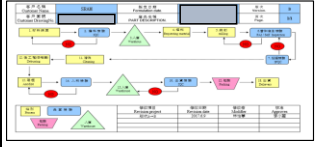



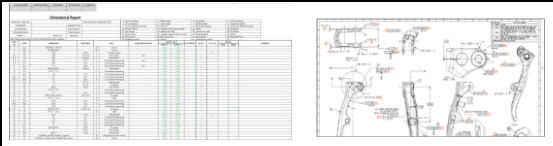


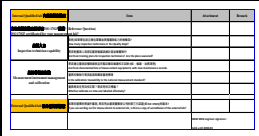



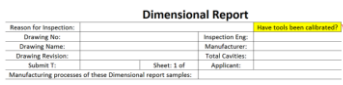





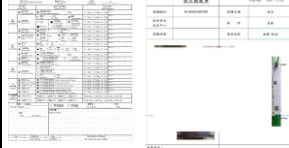

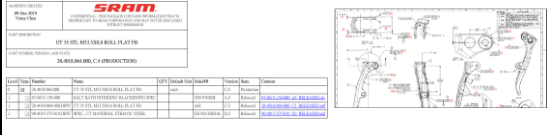


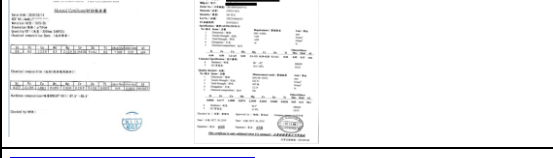
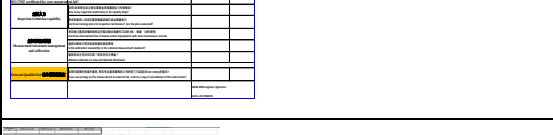
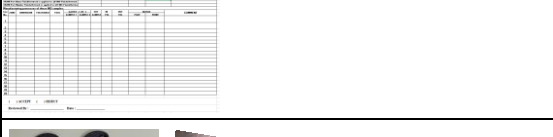

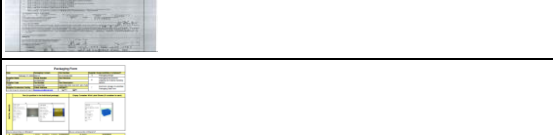
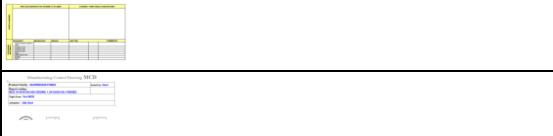
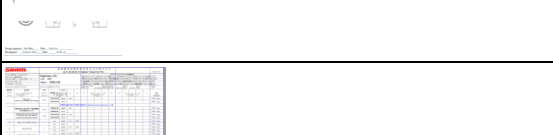





## SRAM PPAP 18 Elements

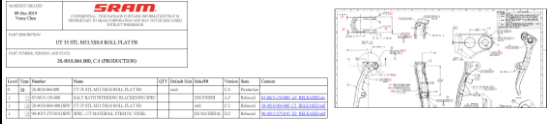

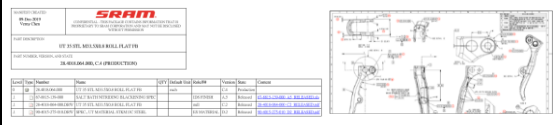

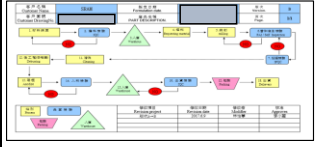



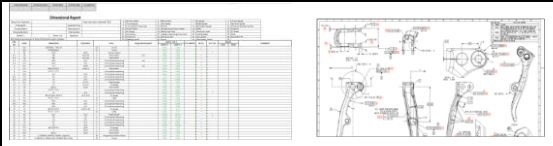


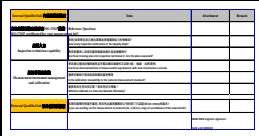
Element	Requirement	Element Owner	What: Acceptable element(s)	Example	PDMLink-QA
1	Design Records 設計記錄	SDE Engineer	Product structure cover sheet included the latest released version and information 速聯產品結構包裹封面, 包含料號、版次、相關工程規範等 Bubble drawing needs to be in the package, currently in E9. 泡泡圖也是E1設計紀錄的一部分, 現行在E9中呈現. (Actual design drawings, ES files are not needed) (不需要實際設計圖面, 不需要ES文件)		INS-D
2	Engineering Change Documents 工程變更文件	SDE Engineer	SRAM issue: Package overview with ECN # 由速聯發起的: 有ECN工程變更號碼的包裹概述  Supplier issue: SPCN form with approval 由供應商發起: 已被核准通過的SPCN表		INS-D
3	Customer Engineering Approval 客戶工程批准	SDE Engineer	Only applicable for supplier design 僅適用於供應商設計  If Supplier's design has transferred to a SRAM drawing/ product structure, E1 are acceptable, then E3: N/A 如果供應商設計零件已加入速聯圖框, 已具備速聯料號者直接在E1呈現, E3則N/A, 備註說明即可		INS-D
4	Design FMEA 設計FMEA	SDE Engineer	SRAM design: DFMEA link from PDM 速聯設計: DFMEA來自於PDM連結  Supplier design: DFMEA from supplier 供應商設計: 由供應商提供DFMEA		INS-D
5	Process Flow Diagrams 製造流程圖	SDE Engineer	MFP individual file MFP各別獨立檔案 (MFP included in the CP or other file is not acceptable) (包含在管制計畫或其他文件中是不可接受的)		PRI
6	Process FMEA 製程FMEA	SDE Engineer	SRAM SDE: Inhouse PFMEA 速聯SDE: 內部PFMEA + PFMEA checklist with SRAM supervisor's signature 帶有速聯主管簽名的PFMEA檢查表  Supplier SDE: PFMEA from supplier 供應商SDE: 供應商的PFMEA + PFMEA checklist with SRAM engineers signature 帶SRAM工程師簽名的PFMEA檢查表		PRI
7	Control Plan 管制計劃	SQE Engineer	Production Control plan that aligned with PFMEA 生產管制計劃須與PFMEA一致  (The control plan for the production control, not for the pilot or DVT) (適用於生產的管制計劃, 並非用於測試或設計階段的)		PCP
8	Measurement System Analysis 量測系統分析	MDG Engineer	E9 "gauge R&R needed?" If YES E9 全尺寸報告內-"需實施GR & R嗎?", 如果是YES + MSA report MSA報告  E9 "gauge R&R needed?" If No E9 全尺寸報告內-"需實施GR & R嗎?", 如果是NO , then E8: N/A 那麼E8:N/A		MSA
9	Dimensional Report 全尺寸報告	SDE Engineer	SRAM format - Dimensional Report included bubbles drawing 速聯格式-全尺寸報告需包含泡泡圖		INS-D
10	Material, Performance, Test Results 材料/性能, 測試結果	SDE Engineer	Material, Performance, Test Results (component) show in E9 DR 素材及零件的相關材料測試報告須在E9全尺寸報告中呈現. Material, Performance, Test Results (FG) show in E10 TST 組裝和成品的測試報告以E10 TST文件呈現		INS-D (component) TST (FG, subassy)
11	Initial Process Capability Studies 初始製程研究	SDE Engineer	SRAM format - Initial Process Study 速聯格式-初始製程研究		PCV-D PCV-F
12	Qualified Laboratory Documentation 合格實驗室的要求	MDG Engineer	SRAM format- Qualified Laboratory Documentation with sram engineer signature and a valid thru date 速聯格式-合格實驗室文件上需有速聯工程師簽名和有效期限		N/A (Supplier Object in PDMLink)









13	Appearance Approval Report 外觀批准報告 (AAR)	SDE Engineer	SRAM format- Appearance Approval Report- Finish 速聯格式-外觀批准報告-表面處理 SRAM format- Appearance Approval Report- Artwork 速聯格式-外觀批准報告-表面圖形文字		INS-A INS-F
14	Sample Product 生產件樣品	SDE Engineer	2 pcs of PPAP parts with signed tag(named with PPAP Sample Part) 2件附標識掛吊卡的PPAP零件 ( 標識為PPAP生產件樣品 )		INS-D
15	Master Sample 標準樣品	SDE Engineer	PPAP master part keep at supplier site a system for maintaining the parts. 供應商應系統性的保存與維護留存於自家廠端的標準樣品		INS-D
16	Checking Aids 檢查工具	MDG Engineer	SRAM format - E9 with a YES answer to column "has tools been calibrated?" 速聯格式-將確認結果記錄於E9全尺寸報告"工具是否已校驗?"為YES。		INS-D
17	Part Submission Warrant(PSW) 零件提交保證書 (PSW)	SQE Engineer	SRAM format - PSW with supplier's signature 速聯格式-零件提交保證書需有供應商確認簽名		PPA
18a	Packing 包裝	SDE Engineer	SRAM format - Packaging Form 速聯格式-包裝型式		INS-D
18b	Manufacturing Control Drawing (MCD) 製造管控圖面	SDE Engineer	SRAM format - Manufacturing Control Drawing (MCD) with both DE/ID's signatures 速聯格式-帶有DE / ID簽名的製造控制圖 ( MCD )		N/A (Supplier Selection process)
18c	Supplier Inspection Plan(SIP) 供應商檢驗計劃 (SIP)	SQE Engineer	SRAM format - SIP 速聯格式-SIP		PCP
18d	Environmental Verification of Requirements-EVR 環境法規驗證要求	EVR Engineer	1+2(better) or 1+3 1. SRAM format - Signed RSL with supplier's signature 速聯格式-供應商簽名的供應商限用物質清單確認函 2. 3rd party test reports 第三方測試報告 3. Declaration of Conformity (DoC) with supplier's signature 帶有供應商簽名的自我宣告書		EVR
18e	Tooling Qualification 模具認證	SDE Engineer	SRAM format or other format - Tooling Qualification 速聯格式或其他格式-模具認證		INS-D
18f	PPAP Checklist PPAP檢查表	SQE Engineer	SRAM format - PPAP Checklist 速聯格式-PPAP 清單		PPA

## SRAM PPAP Level 2 Elements

Element	Requirement	Element Owner	What: Acceptable element(s)	Example	PDMLink-QA
1	Design Records 設計記錄	SDE Engineer	Product structure cover sheet included the latest released version and information 速聯產品結構包裹封面,包含料號、版次、相關工程規範等 Bubble drawing needs to be in the package, currently in E9. 泡泡圖也是E1設計紀錄的一部分・現行在E9中呈現。 (Actual design drawings, ES files are not needed) (不需要實際設計圖面・不需要ES文件)		INS-D
2	Engineering Change Documents 工程變更文件	SDE Engineer	SRAM issue: Package overview with ECN # 由速聯發起的:有ECN工程變更號碼的包裹概述  Supplier issue: SPCN form with approval 由供應商發起:已被核准通過的SPCN表		INS-D
9	Dimensional Report 全尺寸報告	SDE Engineer	SRAM format - Dimensional Report included bubbles drawing 速聯格式-全尺寸報告需包含泡泡圖		INS-D
10	Material, Performance, Test Results 材料/性能,測試結果	SDE Engineer	Material, Performance, Test Results (component) show in E9 DR 素材及零件的相關材料測試報告須在E9全尺寸報告中呈現。 Material, Performance, Test Results (FG) show in E10 TST 組裝和成品的測試報告以E10 TST文件呈現		INS-D (componet) TST (FG, subassy)
12	Qualified Laboratory Documentation 合格實驗室的要求	MDG Engineer	SRAM format- Qualified Laboratory Documentation <b>with sram engineer signature and a valid thru date</b> 速聯格式-合格實驗室文件上需有速聯工程師簽名和有效期限		N/A (Supplier Object in PDMLink)
13	Appearance Approval Report 外觀批准報告 (AAR)	SDE Engineer	SRAM format- Appearance Approval Report- Finish 速聯格式-外觀批准報告-表面處理 SRAM format- Appearance Approval Report- Artwork 速聯格式-外觀批准報告-表面圖形文字		INS-A INS-F
14	Sample Product 生產件樣品	SDE Engineer	2 pcs of PPAP parts <b>with signed tag(named with PPAP Sample Part)</b> 2件 <b>附標識掛吊卡</b> 的PPAP零件 (標識為PPAP生產件樣品)		INS-D
17	Part Submission Warrant(PSW) 零件提交保證書 (PSW)	SQE Engineer	SRAM format - PSW <b>with supplier's signature</b> 速聯格式-零件提交保證書需有 <b>供應商確認簽名</b>		PPA
18a	Packing 包裝	SDE Engineer	SRAM format - Packaging Form 速聯格式-包裝型式		INS-D
18b	Manufacturing Control Drawing (MCD) 製造管控圖面	SDE Engineer	SRAM format - Manufacturing Control Drawing (MCD) <b>with both DE/ID's signatures</b> 速聯格式-帶有 <b>DE / ID簽名</b> 的製造控製圖 ( MCD )		N/A (Supplier Selection process)
18c	Supplier Inspection Plan(SIP) 供應商檢驗計劃 (SIP)	SQE Engineer	SRAM format - SIP 速聯格式-SIP		PCP
18d	Environmental Verification of Requirements-EVR 環境法規驗證要求	EVR Engineer	1+2(better) or 1+3  1. SRAM format - Signed RSL <b>with supplier's signature</b> 速聯格式- <b>供應商簽名</b> 的供應商限用物質清單確認函 2. 3rd party test reports 第三方測試報告 3. Declaration of Conformity (DoC) <b>with supplier's signature</b> 帶有 <b>供應商簽名</b> 的自我宣告書		EVR
18f	PPAP Checklist PPAP檢查表	SQE Engineer	SRAM format - PPAP Checklist 速聯格式-PPAP 清單		PPA

## SRAM PPAP Level 3 Elements

Element	Requirement	Element Owner	What: Acceptable element(s)	Example	PDMLink-QA
1	Design Records 設計記錄	SDE Engineer	Product structure cover sheet included the latest released version and information 速聯產品結構包裹封面, 包含料號、版次、相關工程規範等 Bubble drawing needs to be in the package, currently in E9. 泡泡圖也是E1設計紀錄的一部分, 現行在E9中呈現. (Actual design drawings, ES files are not needed) (不需要實際設計圖面, 不需要ES文件)		INS-D
2	Engineering Change Documents 工程變更文件	SDE Engineer	SRAM issue: Package overview with ECN # 由速聯發起的: 有ECN工程變更號碼的包裹概述  Supplier issue: SPCN form with approval 由供應商發起: 已被核准通過的SPCN表		INS-D
3	Customer Engineering Approval 客戶工程批准	SDE Engineer	Only applicable for supplier design 僅適用於供應商設計  If Supplier's design has transferred to a SRAM drawing/ product structure, E1 are acceptable, then E3: N/A 如果供應商設計零件已加入速聯圖框, 已具備速聯料號者直接 在E1呈現, E3則 N/A, 備註說明即可		INS-D
4	Design FMEA 設計FMEA	SDE Engineer	SRAM design: DFMEA link from PDM 速聯設計: DFMEA來自於PDM連結  Supplier design: DFMEA from supplier 供應商設計: 由供應商提供DFMEA		INS-D
5	Process Flow Diagrams 製造流程圖	SDE Engineer	MFP individual file MFP各別獨立檔案 (MFP included in the CP or other file is not acceptable) (包含在管制計畫或其他文件中是不可接受的)		PRI
6	Process FMEA 製程FMEA	SDE Engineer	SRAM SDE: Inhouse PFMEA 速聯SDE: 內部PFMEA + PFMEA checklist with SRAM supervisor's signature 帶有速聯主管簽名的PFMEA檢查表  Supplier SDE: PFMEA from supplier 供應商SDE: 供應商的PFMEA + PFMEA checklist with SRAM engineers signature 帶SRAM工程師簽名的PFMEA檢查表		PRI
7	Control Plan 管制計劃	SQE Engineer	Production Control plan that aligned with PFMEA 生產管制計劃須與PFMEA一致  (The control plan for the production control, not for the pilot or DVT) (適用於生產的管制計劃, 並非用於測試或設計階段的)		PCP
8	Measurement System Analysis 量測系統分析	MDG Engineer	E9 "gauge R&R needed?" If YES E9 全尺寸報告內-"需實施GR & R嗎?", 如果是YES + MSA report MSA報告  E9 "gauge R&R needed?" If No E9 全尺寸報告內-"需實施GR & R嗎?", 如果是NO , then E8: N/A 那麼E8:N/A		MSA
9	Dimensional Report 全尺寸報告	SDE Engineer	SRAM format - Dimensional Report included bubbles drawing 速聯格式-全尺寸報告需包含泡泡圖		INS-D
10	Material, Performance, Test Results 材料/性能, 測試結果	SDE Engineer	Material, Performance, Test Results (component) show in E9 DR 素材及零件的相關材料測試報告須在E9 全尺寸報告中呈現. Material, Performance, Test Results (FG) show in E10 TST 組裝和成品的測試報告以E10 TST文件呈現		INS-D (component) TST (FG, subassy)
11	Initial Process Capability Studies 初始製程研究	SDE Engineer	SRAM format - Initial Process Study 速聯格式-初始製程研究		PCV-D PCV-F
12	Qualified Laboratory Documentation 合格實驗室的要求	MDG Engineer	SRAM format- Qualified Laboratory Documentation with sram engineer signature and a valid thru date 速聯格式-合格實驗室文件上需有速聯工程師簽名和有效期限		N/A (Supplier Object in PDMLink)

13	Appearance Approval Report 外觀批准報告 (AAR)	SDE Engineer	SRAM format- Appearance Approval Report- Finish 速聯格式-外觀批准報告-表面處理 SRAM format- Appearance Approval Report- Artwork 速聯格式-外觀批准報告-表面圖形文字		INS-A INS-F
14	Sample Product 生產件樣品	SDE Engineer	2 pcs of PPAP parts with signed tag(named with PPAP Sample Part) 2件附標識掛吊卡的PPAP零件 ( 標識為PPAP生產件樣品 )		INS-D
17	Part Submission Warrant(PSW) 零件提交保證書 (PSW)	SQE Engineer	SRAM format - PSW with supplier's signature 速聯格式-零件提交保證書需有供應商確認簽名		PPA
18a	Packing 包裝	SDE Engineer	SRAM format - Packaging Form 速聯格式-包裝型式		INS-D
18b	Manufacturing Control Drawing (MCD) 製造管控制圖面	SDE Engineer	SRAM format - Manufacturing Control Drawing (MCD) with both DE/ID's signatures 速聯格式-帶有DE / ID簽名的製造控制圖面 ( MCD )		N/A (Supplier Selection process)
18c	Supplier Inspection Plan(SIP) 供應商檢驗計劃 (SIP)	SQE Engineer	SRAM format - SIP 速聯格式-SIP		PCP
18d	Environmental Verification of Requirements-EVR 環境法規驗證要求	EVR Engineer	1+2(better) or 1+3 1. SRAM format - Signed RSL with supplier's signature 速聯格式-供應商簽名的供應商限用物質清單確認函 2. 3rd party test reports 第三方測試報告 3. Declaration of Conformity (DoC) with supplier's signature 帶有供應商簽名的自我宣告書		EVR
18f	PPAP Checklist PPAP檢查表	SQE Engineer	SRAM format - PPAP Checklist 速聯格式-PPAP 清單		PPA