RD-ECR (Engineering Change Request)

申請人: 硬體課/陳凱翔 Tonychen　　表單號: 127　申請日期: 2026-10-28

Proposed Change	☐ Design modification 設計修改 ☑ Second source change 替代料變更 ☐ Material change 材料變更 ☐ Manufacturer change 製造商變更 ☐ Process sequency change 工序變更 ☐ Factory change 工廠變更 ☐ Equipment/Tooling change 設備/模具變更 ☐ Process/Method/Condition change 加工流程/方法 /條件變更 ☐ Others 其他			EC No	EC26110401
-	N/A			Initiator	陳凱翔 Tonychen(D0067)
Reason for Change	原廠(ROHM)通知 BR24G512FJ-3AGTE2 EOL，新增替代料 1.BR24G512FJ-5AE2 原廠建議接續料 2.M24512-WMN6TP 佳世達現有用料			Issue Date	2026-10-28
Model / Part No	RGT2422AMII SZ、RGT2422AMII TW			Requester Dept	DV11M016-採購課
Implementation Type	○ 1. Immediately Change 立即切換 ◉ 2. Running Change 自然切換 ○ 3. Other 其他			-	N/A
PM	王志維 Ryan_Wang(D0480)	Sales	胡靜文 Estela_Hu(D0547)	File attached 附件上傳	EERROM Comparison Tabl... EOL Mail 通知.pdf RGT2422AMII_Product Val... ROHM網頁下載.pdf 不通知客戶.pdf 設計變更審查會議紀錄.pdf
Customer Approval	○ Needed ◉ Not needed	Customer Name	PHILIPS	Customer Sign-off Area 客戶簽核	
Invalid	◉ No ○ Yes	-	N/A		

Material Change Description 物料變更說明

No	Subassembly	T	PartNo	Description	Qty	Location	Stock	Remark
1	2AAD539014S	B						
1	2AAD539014S	A	3A24G51211Y	IC (BR24G512FJ-5AE2,SOP-J8,ROHM)	1.000	U403		1st: 3A24G51201Y 2nd: 3AM24512W1Y 3rd: 3A24G51211Y
2	2AAD539014S	B						
2	2AAD539014S	A	3AM24512W1Y	IC (M24512-WMN6TP,SO8N,ST)	1.000	U403		1st: 3A24G51201Y 2nd: 3AM24512W1Y 3rd: 3A24G51211Y
3	2AAD698014S	B						
3	2AAD698014S	A	3A24G51211Y	IC (BR24G512FJ-5AE2,SOP-J8,ROHM)	1.000	U403		1st: 3A24G51201Y 2nd: 3AM24512W1Y 3rd: 3A24G51211Y
4	2AAD698014S	B						
4	2AAD698014S	A	3AM24512W1Y	IC (M24512-WMN6TP,SO8N,ST)	1.000	U403		1st: 3A24G51201Y 2nd: 3AM24512W1Y 3rd: 3A24G51211Y

Engineering Change Assessment Item List 工程變更評估項目清單

1. Application for Revision of Specification or Drawing(s) for delivery 是否有修改交貨的規格或圖面	1.Confirm	○ Yes ◉ No need	1.Remark	N/A
_ 1-1) Impact on Product in Process or Already Delivered 是否影響再製品或已交貨產品	1-1 Confirm	○ Yes ○ No need	1-1.Remark	
2. Standards or Regulatories impact 是否有評估適用之標準或主管機關之相關法規的申請	2.Confirm	○ Yes ◉ No need	2.Remark	無影響

3. Change point of PCB mounting PCBA插件位置是否變更	3.Confirm	○ Yes ◉ No need	3.Remark	N/A
4. PCBA Process Changes PCBA製程是否變更	4.Confirm	○ Yes (Continue checking below) ◉ No	4.Remark	N/A
_ 4-1) Change of Reflow temperature 迴焊溫度是否變更	4-1 Confirm	○ Yes ◉ No need	4-1.Remark	N/A
_ 4-2) Change of bonding temperature 膠合溫度是否變更	4-2 Confirm	○ Yes ◉ No need	4-2.Remark	N/A
_ 4-3) Change of Manual Soldering temperature 人工手焊工具之溫度是否變更	4-3 Confirm	○ Yes ◉ No need	4-3.Remark	N/A
_ 4-4) Change of storage condition after protection humidity package 防潮包裝完成後的儲存條件是否變更	4-4 Confirm	○ Yes ◉ No need	4-4.Remark	N/A
5. Reliability test report(Test result and data) 是否有可靠性測試報告(測試結果及數據)	5.Confirm	◉ Yes ○ No need	5.Remark	參考附件
6. Process FMEA(Medical only) 是否有進行製程失效模式與效應分析	6.Confirm	○ Yes ◉ No need	6.Remark	N/A
7. Design FMEA(Medical only) 是否有進行設計失效模式與交應分析	7.Confirm	○ Yes ◉ No need	7.Remark	N/A
8. Risk Management(Medical only) 是否有進行風險管理評估	8.Confirm	○ Yes ◉ No need	8.Remark	N/A
9. Change points due to the modification 是否此修改會延伸導致其他變更點	9.Confirm	○ Yes ◉ No need	9.Remark	N/A
10. Initial Supply Control implements plan or result 是否有實施供料控制評估	10.Confirm	○ Yes ◉ No need	10.Remark	新增替代料Running Change
_ 10-1) Confirm the work order or order number or date for the implementation start of the engineering change 確認工程變更開始實施之工單或訂單號碼或日期	10-1 Confirm	○ Yes ◉ No need	10-1.Remark	新增替代料Running Change
_ 10-2) Coordinate the handling methods for related products and materials 協調相關產品及材料處理方法	10-2 Confirm	○ Yes ◉ No need	10-2.Remark	新增替代料Running Change
_ 10-3) Arrange th production schedule 處理生產日程之安排	10-3 Confirm	○ Yes ◉ No need	10-3.Remark	新增替代料Running Change
_ 10-4) Control the changed materials 變更材料之管制	10-4 Confrim	○ Yes ◉ No need	10-4.Remark	新增替代料Running Change
_ 10-5) Establish relevant execution control records for EC materials, register traceability data for each material 建立有關工程變更物料之相關執行管控記錄、登錄各項物料追溯性資料	10-5 Confirm	○ Yes ◉ No need	10-5.Remark	新增替代料Running Change
11. Training Requirement 若此一變更影響製程或檢驗，是否需要再做人員訓練	11.Confrim	○ Yes ◉ No need	11.Remark	N/A
12-1. Modification contents(For example, the following documents) 是否有評估此變更之各項相關文件(如下)	12-1 Confirm	☐ QC control plan ☐ Service Manual ☐ Others ☑ Not needed	12-1.Remark	N/A
12-2. Modification contents(For example, the following documents) 是否有評估此變更之各項相關文件(如下)	12-2 Confirm	☐ SIP ☐ SOP ☐ Others ☑ No need	12-2.Remark	N/A
12-3. Modification contents(For example, the following documents) 是否有評估此變更之各項相關文件(如下)	12-3 Confirm	☑ MDF ☑ DMR ☐ Approval Sheet ☐ Engineering Spec ☐ Others ☑ Not needed	12-3.Remark	N/A

簽核列表 ◉ 表格 ○ 圖形

序號	簽核人	簽核結果	簽核意見
1	**盧俊宇 Jackylu** 二階主管(課/部級)	**同意** 2026-10-28 15:20	加入韌體夥伴加簽. 因為此料和韌體存取有關。
2	**陳凱翔 Tonychen** 申請人撤回	**申請人撤回** 2026-10-28 15:29	加入韌體夥伴
3	**魏品倫 Anderson_Wei** [陳凱翔 Tonychen 加簽]	**同意** 2026-10-28 15:56	
4	**盧俊宇 Jackylu** 二階主管(課/部級)	**同意** 2026-10-28 16:39	
5	**張鈞凱 Ericchang** ECR-DQE人員	**同意** 2026-10-29 09:13	無影響EMI
5	**林金封 Jim_Lin** ECR-DQE人員	**同意** 2026-10-29 09:15	測試PASS,測試報告如附件
5	**林雪清 Joe_Lin** ECR-DQE人員	**同意** 2026-10-30 08:37	N/A
5	**呂旻峰 Jack** ECR-DQE人員	**同意** 2026-11-03 10:18	N/A
6	**廖榮棋 Rongchi_Liao** DQE主管	**同意** 2026-11-03 11:42	
7	**王志維 Ryan_Wang** PM	**同意** 2026-11-03 13:19	
7	**胡靜文 Estela_Hu** Sales	**同意** 2026-11-04 13:01	
8	**楊建勛 Michael_Young** R&D Director [通知]	**同意** 2026-11-04 13:01	[通知]
9	**蕭玉桃 Momohsiao** ECR-PIC人員	**同意** 2026-11-04 13:22	
10	**王世炫 Hsuan_Wang** ECR-PE人員	**同意** 2026-11-04 13:34	sop & sip 無影響.
11	**林益銓 Nick_Lin** PE	**同意** 2026-11-04 13:35	
12	**黃振哲 Terry_Huang** ECR-PMC人員	**同意** 2026-11-04 15:07	
12	**王尹珏 Joan_Wang** [黃振哲 Terry_Huang 加簽]	**同意** 2026-11-04 15:29	
13	**陳凱翔 Tonychen** [黃振哲 Terry_Huang 加簽]請刪除2nd: 3A24G51211Y	**同意** 2026-11-05 11:34	3A24G51211Y 是原廠(ROHM)推薦接續料，與生管,採購討論決議不刪除，修改替代料順序，將 3AM24512W1Y 改為2nd，3A24G51211Y改為3rd。
14	**邱羽萱 Lily_Chiu** PMC	**同意** 2026-11-05 12:37	
15	**黃瓊玉 Joannehuang** ECR-PD人員	**同意** 2026-11-05 12:52	
15	**李慧珊 Sandra** ECR-SCM人員	**同意** 2026-11-05 14:58	
15	**郭修榮 Omega_Kuo** PD	**同意** 2026-11-05 17:54	
16	**李金龍 Kevin_Lee** ECR-QA人員	**同意** 2026-11-06 09:46	
17	**陳泰盛 Tyson_Chen** QA	**同意** 2026-11-06 10:11	
18	**楊建勛 Michael_Young** R&D Director	**同意** 2026-11-06 10:59	
19	**蕭玉桃 Momohsiao** ECR-PIC人員	**同意** 2026-11-06 11:42	

序號	簽核人	簽核結果	簽核意見
20	**陳凱翔 Tonychen** SAP核發	**同意** 2026-11-06 14:56	SAP ECR已核發