RD-ECR (Engineering Change Request)

申請人: 硬體課/譚德和 Kevin_Tan　　表單號: 94　申請日期: 2026-08-26

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	EC26090101
-	N/A			Initiator	譚德和 Kevin_Tan(D0705)
Reason for Change	Due to the 3CC47550KKW shortage issue, add second source 3CC47550KKY.			Issue Date	2026-08-26
Model / Part No	Please refer to the attached file.			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	陳冠華 Oliver_Chen(D0525)	File attached 附件上傳	3CC47550KKW_ MLCC Co... 設計變更審查會議記錄-G版... 備忘錄樣式.pdf 影響機種.pdf Product Validation Report...
Customer Approval	○ Needed ◉ Not needed	Customer Name	N/A	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
3	2AAD363R03P	B						
3	2AAD363R03P	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	3.000	C25,C30,C6		1st : 3CC47550KKW 2nd: 3CC47550KKY
6	2AAD539014S	B						
6	2AAD539014S	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	2.000	C209,C218		1st : 3CC47550KKW 2nd: 3CC47550KKY
7	2AAD539R038	B						
7	2AAD539R038	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	2.000	C209,C218		1st : 3CC47550KKW 2nd: 3CC47550KKY
8	2AAD539R138	B						
8	2AAD539R138	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	2.000	C209,C218		1st : 3CC47550KKW 2nd: 3CC47550KKY
9	2AAD695014S	B						
9	2AAD695014S	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	3.000	C105,C106,C109		1st : 3CC47550KKW 2nd: 3CC47550KKY
10	2AAD697014S	B						
10	2AAD697014S	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	2.000	C209,C218		1st : 3CC47550KKW 2nd: 3CC47550KKY
11	2AAD698014S	B						
11	2AAD698014S	A	3CC47550KKY	CC (4.7U,50V,X5R,K,0805)	2.000	C209,C218		1st : 3CC47550KKW 2nd: 3CC47550KKY

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
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	無影響
_ 4-1) Change of Reflow temperature 迴焊溫度是否變更	4-1 Confirm	○ Yes ◉ No need	4-1.Remark	無影響
_ 4-2) Change of bonding temperature 膠合溫度是否變更	4-2 Confirm	○ Yes ◉ No need	4-2.Remark	無影響
_ 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	無影響
_ 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	無影響
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	訂單PO4100052749 開始導入替代料
_ 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	元件需求日2026.09.09
_ 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
_ 10-3) Arrange th production schedule 處理生產日程之安排	10-3 Confirm	◉ Yes ○ No need	10-3.Remark	元件需求日2026.09.09導入
_ 10-4) Control the changed materials 變更材料之管制	10-4 Confrim	○ Yes ◉ No need	10-4.Remark	無須變更材料管制
_ 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	訂單訂單PO4100052749 開始導入替代料
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	NA
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	無影響
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** 2026-08-26 17:16	
2	**林金封 Jim_Lin** ECR-DQE人員 [林金封 Jim_Lin 改簽]	**同意** 2026-08-26 17:27	N/A
2	**張鈞凱 Ericchang** ECR-DQE人員	**同意** 2026-08-27 10:05	無影響EMI
2	**林金封 Jim_Lin** ECR-DQE人員	**同意** 2026-08-27 13:15	
2	**林雪清 Joe_Lin** ECR-DQE人員	**同意** 2026-08-31 15:19	DQE測試報告如附件
2	**呂旻峰 Jack** ECR-DQE人員	**同意** 2026-08-31 15:33	N/A
3	**廖榮棋 Rongchi_Liao** DQE主管	**同意** 2026-08-31 15:44	
4	**陳冠華 Oliver_Chen** Sales	**同意** 2026-08-31 16:01	
4	**王志維 Ryan_Wang** PM	**同意** 2026-08-31 16:51	
5	**楊建勛 Michael_Young** R&D Director [通知]	**同意** 2026-08-31 16:51	[通知]
6	**蕭玉桃 Momohsiao** ECR-PIC人員	**同意** 2026-09-01 08:49	
7	**王世炫 Hsuan_Wang** ECR-PE人員	**同意** 2026-09-01 09:18	
8	**林益銓 Nick_Lin** PE	**同意** 2026-09-01 09:48	
9	**黃振哲 Terry_Huang** ECR-PMC人員	**同意** 2026-09-01 11:21	
10	**邱羽萱 Lily_Chiu** PMC	**同意** 2026-09-01 11:45	
11	**黃瓊玉 Joannehuang** ECR-PD人員	**同意** 2026-09-01 11:57	
11	**李慧珊 Sandra** ECR-SCM人員	**同意** 2026-09-01 12:02	
11	**郭修榮 Omega_Kuo** PD	**同意** 2026-09-02 11:33	
12	**李金龍 Kevin_Lee** ECR-QA人員	**同意** 2026-09-02 15:49	
13	**陳泰盛 Tyson_Chen** QA	**同意** 2026-09-02 16:21	
14	**楊建勛 Michael_Young** R&D Director	**同意** 2026-09-02 16:27	
15	**譚德和 Kevin_Tan** [蕭玉桃 Momohsiao 加簽]2AAD191R03Q、2AAD264R03E、2AAD364R03E、2AAD364R13E BOM內容不用修改，請再確認。	**同意** 2026-09-03 10:13	2AAD191R03Q、2AAD264R03E、2AAD364R03E、2AAD364R13E 修改已移除
16	**蕭玉桃 Momohsiao** ECR-PIC人員	**同意** 2026-09-03 11:12	
17	**譚德和 Kevin_Tan** SAP核發	**同意** 2026-09-03 11:40	