Standardized Information for Process/Product Change Notification (PCN) | Based on the JEDEC Standard JESD46 standard (latest release)

Form provided by ZVEI - Revision 5.0

Not for publication unless permission is granted by LEM	1. PCN basic data

1.1 Company	LEM International SA Route du Nant d'Avril 152 1217 Meyrin Switzerland
1.2 PCN No.	**PCN-037_2025_0-OMTS2512701**
1.3 Title of PCN	Primary pins+plating supplier & plating process
1.4 Product Category	Electronic module - Current sensor
1.5 Issue date	**2025/07/21**

1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)

2. PCN Team		
2.1 Contact supplier		
2.1.1 Name	Magdalena Peycheva - Product Life Cycle Coordinator	
2.1.2 Phone		
2.1.3 Email	Mpy@lem.com	
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)
Stéphane Rollier - Product Life Cycle manager	0041227061449	sro@lem.com

3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	**SEM-PA-14**	PROCESS - ASSEMBLY	Change in process technology (e.g. sawing, die attach, bonding, moulding, plating, trim and form, lead frame preperation, …)
#2	**SEM-PA-16**	PROCESS - ASSEMBLY	Change of direct material supplier

4. Description of change		
	Old	**New**
Change #1	Primary copper pins (wire), plating: Electroplating, Tin (Sn), thickness is 4 um average (between 3-6 um). Primary copper pins material: C1100 oxygen-free copper, 99.99% of copper.	Primary copper pins (wire) plating: Hot-dipping, SAC305 (SnAgCu alloy), thickness is 0.5um~5um. 2.8% < Ag < 4.2% 0.3% < Cu < 0.9% Tin for the remainder.
Change #2		New supplier for primary copper pins (wire) + plating. Same copper material (spec) used as before.
4.1 Anticipated impact on form, fit, function, reliability or processability?	No impact on form, fit, function, reliability, data sheet, quality and product safety. Process change a bit as primary copper pins (wire) plating changes from electroplating tin to Hot-dipping, SAC305.	
4.2 Reference parts with customer number (optional)		

5. Reason / motivation for change	
5.1 Motivation	Whisker mitigation
5.2 Additional explanation (optional)	

6. Marking of parts / traceability of change	
6.1 Description	No change in the marking of the parts. Traceability ensured by datecode.

7. Timing / schedule		
7.1 Date of qualification results	2024/08/13	
7.2 Last order date (optional)		
7.3 Last delivery date (optional)		
7.4 Intended start of delivery	2025/09/05	
7.5 Qualification samples available?	YES	
7.6 Customer feedback required until	2025/09/01	

8. Qualification / validation				
8.1 Description **(e.g. qual. plan/report, AEC-Q...)**	Inspection report, Raw material analysis (plating) report, solderability report available on request.			
8.2 Qualification report and qualification results	will be available at date ▼	issue date	13/08/2024	

9. Input to customer for risk assessment process

10. Attachments (e.g. new datasheet, additional documentation, pictures, process flow, sample plan, ...)

11. Affected parts									
11.1 Current						**11.2 New (if applicable)**			
11.1.1 Customer Part No.	**11.1.2 Supplier Part Name**	**11.1.3 Supplier Part No. (optional)**	**11.1.4 Package Name**	**11.1.5 Part Description (optional)**	**11.1.6 Additional Part Information (optional)**	**11.2.2 Supplier Part Name**	**11.2.3 Supplier Part No. (optional)**	**11.2.4 Package Name**	**11.2.6 Additional Part Information (optional)**
	LES 15-NP								
	LES 25-NP								
	LES 50-NP								
	LES 6-NP								
	LESR 15-NP								
	LESR 15-NP/SP1								
	LESR 25-NP								
	LESR 25-NP/SP1								
	LESR 50-NP								
	LESR 50-NP/SP1								

	LESR 6-NP							
	LESR 6-NP/SP1							
	LKSR 15-NP							
	LKSR 25-NP							
	LKSR 50-NP							
	LKSR 6-NP							
	LKSR 6-NP/SP1							
	LKSR 75-NP							
	LPSR 15-NP							
	LPSR 25-NP							
	LPSR 50-NP							
	LPSR 50-NP/SP2							
	LPSR 6-NP							
	LXS 15-NPS							
	LXS 25-NPS							
	LXS 6-NPS							
	LXSR 15-NPS							
	LXSR 25-NPS							
	LXSR 6-NPS							

Customer Feedback/Approval Form

Title of PCN:			
Primary pins+plating supplier & plating process			
Customer PCN No.		**Supplier PCN No.**	**PCN-037_2025_0-OMTS2512701**

Please check the appropriate box below:

☐	**1. Feedback**	**date:**	
☐	**We agree with this proposed change for the parts as listed in chapter '11. Affected parts'. Approval letter will be sent in written form.**		
☐	**We agree with this proposed change schedule and will start with the PCN process. Approval letter will be sent in written form after evaluation.**		
☐	**We disapprove because:**		
☐	**Remark:**		

☐	**2. Feedback**	**date:**	
☐	**We acknowledge qualification / validation as assigned in chapter 8 of the PCN.**		
☐	**We need more information:**		
☐	**We need the following samples:**		
☐	**Estimated closing date for PCN:**		

☐	**Final Feedback/Approval**	**date:**	

Sender:	
Company:	
Name:	
Address/Location:	
Signature:	
Date:	

Please return to: [your Sales partner]	
Name:	Magdalena Peycheva - Product Life Cycle Coordinator
Address/Location:	
Phone:	
Fax:	
Email:	Mpy@lem.com

In case LEM does not receive any feedback within 6 weeks at the latest after PCN notification, LEM will assume:

- Customer acceptance to the change

- No need for samples

- No additional need

1. feedback to be provided within 3 weeks after the reception of the PCN.
2. feedback to be provided within 6 weeks after the reception of the PCN.

In case LEM does not receive any feedback within 6 weeks at the latest after PCN notification, LEM will assume:
 - Customer acceptance to the change
 - No need for samples
 - No additional need

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