

Standardized Information for Process/Product Change Notification (PCN)

Based on the JEDEC Standard JESD46 standard (latest release)

Not for publication unless permission is granted by LEM			1. PCN basic data	
1.1 Company	 Life Energy Motion		LEM International SA Route du Nant d'Avril 152 1217 Meyrin Switzerland	
1.2 PCN No.	PCN-066_2024_0-OMTM2412301 (UPDATE with date code)			
1.3 Title of PCN	Shield nickel plating process & supplier change			
1.4 Product Category	Electronic module - Current sensor			
1.5 Issue date	2025/09/17			
1.6 PCN revision history (optional)	1.7 Issue date of previous revision (optional)	1.8 Delta to previous revision (optional)		

Form provided by ZVEI - Revision 5.0

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 preparation, ...)
#2	SEM-PA-16	PROCESS - ASSEMBLY	Change of direct material supplier

4. Description of change		
	Old	New
Change #1	Shield plating process: Electroless nickel plating. (Please see the sheet "Changes description").	Shield plating process: Evaporated nickel plating. (Please see the sheet "Changes description").
Change #2		New supplier for shield Evaporated nickel plating process.
4.1 Anticipated impact on form, fit, function, reliability or processability?	Shield nickel plating process and supplier change. No impact on form, fit, function, reliability, data sheet, quality and functional safety. Process change a bit from Electroless nickel plating process --> Evaporated nickel plating process.	
4.2 Reference parts with customer number (optional)		

5. Reason / motivation for change	
5.1 Motivation	Environmental regulations
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		
7.2 Last order date (optional)		
7.3 Last delivery date (optional)		
7.4 Intended start of delivery	2025/01/31	From date codes: 425049 (18 February 2025) for APR 100 B420L/SP1 in LEM Japan KK
7.5 Qualification samples available?		
7.6 Customer feedback required until	2024/11/25	

8. Qualification / validation			
8.1 Description (e.g. qual. plan/report, AEC-Q...)			
8.2 Qualification report and qualification results	not applicable	▼	issue date

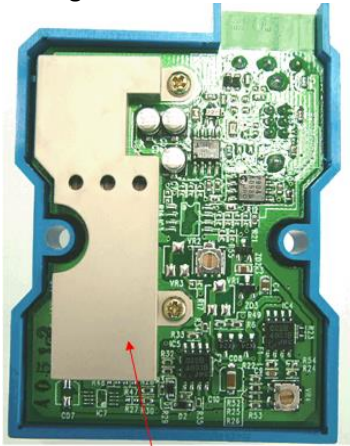
9. Input to customer for risk assessment process	

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)
	AP 50 B420L								
	AP 50 B10								
	AP 100 B420L								
	AP 100 B10								
	AP 200 B420L								
	AP 200 B10								
	AP 400 B420L								
	AP 400 B10								
	APR 50 B420L								
	APR 50 B10								
	APR 100 B420L								
	APR 100 B420L/SP1								
	APR 100 B10								
	APR 100 B10/SP1								
	APR 200 B420L								
	APR 200 B420L/SP1								

 Life Energy Motion	LEM International SA Route du Nant d'Avril 152 1217 Meyrin Switzerland
Changes Description	

Change 1



Shield parts

Present:
shield parts with Electroless nickel plating on plastic



Next:
shield parts with Evaporated nickel plating on plastic

