Standardized Information Note (IN)

1. Information Note basic data						
1.1 Company		TDK-Micronas GmbH, Hans-Bunte-Straße 19, D-79108 Freiburg, Germany				
1.2 Information Note No.		17005				
1.3 Title of IN		HAL Switches HAL 5xy / HAL 240 in TO92UA Additional marking bottom side for non-spread and spread package TO92UA and additional preformed leadframe for spread package TO92UA				
1.4 Issue d	ate	2017/03/30				

2. Contact								
2.1 Contact supplier								
2.1.1 Name	Please contact your distributor.	Please contact your distributor.						
2.1.2 Phone								
2.1.3 Email								
2.2 Team supplier (optional)	2.2 Team supplier (optional)							
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)						

3. Description							
	Old	New					
Description #1	Top Side Marking:	Top Side Marking:					
	505 505 Bottom Side Marking:	No Change! Bottom Side Marking:					
		OR					
Description #2	Spread Package: Mechanical spreading of the pins. Please refer to the spread package drawing in the corresponding Data Sheet.	Spread Package: Mechanical spreading of the pins or preformed leadframe for the spread package (see attached package drawing "Preformed Spread Leadframe").					
Description #3							
Description #4							
Description #5							

4. Reason / motivation						
Quality improvement of the package and enabling better traceability						
4.1 Motivation						
4.2 Additional explanation (optional)	A new tool in assembly enables cavity marking at the bottom side of our UA-Package. The top side marking and also the package dimension remain unchanged. Mixed deliveries with and without bottom marking might be possible. Mechanical spreading of the pins endangers reduction of Sn-Thickness on the pins. In order to avoid this a preformed leadframe for the spread package will be introduced. Mixed deliveries with mechanical spreading and preformed leadframe for the spread package might be possible. No change in material, fit and function of the package. Also no change in application necessary.					

5. Marking of parts / traceability

17005

5.1 Description No change of marking. Traceability available via lotnumber. 6. Timing / schedule 6.1 Intended start of delivery 9/1/2017

7. Attachments (e.g. additional documentation, pictures, part list)						
Preformed Spread Preformed Spread Leadframe HAL50x - HAL 54x pdf						

8. Affected parts									
	8.1 Current				8.2 New (if applicable)				
	8.1.2 Supplier Part Name	8.1.3 Supplier Part No. (optional)	8.1.4 Package Name	8.1.5 Part Description (optional)	8.1.6 Additional Part Information (optional)	8.2.2 Supplier Part Name	8.2.3 Supplier Part No. (optional)	8.2.4 Package Name	8.2.6 Additional Part Information (optional)
	HAL 240		TO92UA-		(optional)				(optional)
	HAL 501		2 TO92UA- 1						
	HAL 501		- TO92UA- 2						
	HAL 502		Z TO92UA- 1						
	HAL 502		- TO92UA- 2						
	HAL 503		TO92UA- 1						
	HAL 503		TO92UA- 2						
	HAL 504		TO92UA- 1						
	HAL 504		TO92UA- 2						
	HAL 505		TO92UA-						
	HAL 505		TO92UA- 2						
	HAL 506		TO92UA- 1						
	HAL 506		TO92UA- 2						
	HAL 507		TO92UA- 2						
	HAL 508		TO92UA- 1						
	HAL 508		TO92UA- 2						
	HAL 509		TO92UA- 1						
	HAL 509		TO92UA- 2						
	HAL 516		TO92UA- 1						
	HAL 516		TO92UA- 2						
	HAL 519		TO92UA- 1						
	HAL 519		TO92UA- 2						
	HAL 523		TO92UA- 2						
	HAL 525		TO92UA- 2						

HAL 526	TO92UA-			
HAL 542	2 TO92UA-			
	2			
HAL 543	TO92UA-			
HAL 546	2 TO92UA-			
	1			
HAL 546	TO92UA-			
HAL 548	TO92UA-			
	2			
HAL 549	TO92UA- 1			
HAL 549	TO92UA-			
HAL 556	2 TO92UA-			
TAL 550	10920A-			
HAL 556	TO92UA-			
HAL 566	2 TO92UA-		 	
	1			
HAL 566	TO92UA-			
HAL 573	 TO92UA-			
	2			
HAL 574	TO92UA-			
HAL 574	TO92UA-			
HAL 575	2 TO92UA-			
HAL 575	1			
HAL 575	TO92UA-			
HAL 576	2 TO92UA-			
	1		 	
HAL 576	TO92UA- 2			
HAL 579	TO92UA-			
	2			
HAL 581	TO92UA- 1			
HAL 581	TO92UA-			
HAL 584	2 TO92UA-			
	2		 	
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