		1. PCN Basic Data	1		
1.1 Company		955 Peri	Allegro MicroSystems meter Rd, Manchester, New Hampshire 03103 U.S.A.		
1.2 PCN No.		PbFreeCS			
1.3 Title of PCN		Lead (Pb) Free Conversion -	Solder Bumps		
1.4 Customer		AVNET EUROPE			
1.5 Product Category		Active Components – Integrated Circuits			
1.6 Issue Date		19-Jul-2021			
1.7 PCN Revision History (optional)		1.8 Issue Date of Previous Revision (optional)	1.9 Delta to Previous Revision (optional)		
NA					

	2. PCN Team	
2.1 Contact Supplier		
2.1.1 Name	Heather Brogna	
2.1.2 Phone	603-626-2300	
2.1.3 Email	Hbrogna@allegromicro.com	
2.2 Team Supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)

		3. Changes	
No.	3.0 Identification	3.1 Category	3.2 Type of Change
#1	SEM-PA-06	PROCESS - ASSEMBLY	Bump Material / Metall System (internal)
#2	SEM-PA-14	PROCESS - ASSEMBLY	Change in process technology (e.g. sawing, die attach, bonding, moulding, and form, lead frame preperation,)
#3	SEM-PA-15	PROCESS - ASSEMBLY	Process integrity: tuning within specification
#4			
#5			
#6			
#7			

	1. PCN Basic Data						
1.1 Company		Alle 955 Perimeter Rd, Man	egro MicroSystems chester, New Hampshire 03103 U.S.A.				
1.2 PCN No.		PbFreeCS					
1.3 Title of PCN		Lead (Pb) Free Conversion - Solder Bumps					
#8							
#9							
#10							

	4. Description of Change	
	Current	New
Change #1	Current parts utilize leaded (SnPb) solder bumps	New solder bumps wil be made from silver
Change #2	Current parts do not include Epoxy Dotting	Epoxy dotting added to the assembly proce
Change #3	Currently no Epoxy Dots	Adding Epoxy Dots to control bump height s improving the high voltage isolation perforr
Change #4		
Change #5		
Change #6		
Change #7		
Change #8		
Change #9		
Change #10		
4.6 Anticipated Impact on Form, Fit, Function, Reliability or Processability?	No anticipated impact to fit, form or function but data device performance.	asheet specification limits are increasing to re
4.7 Reference Parts with Customer Number (optional)		

	5. Reason / Motivation for Change
	The European Union (EU) has released Directive 2002/95/EC (RoHS) and 2011/65/EU (F requires parts with solder bumps to be lead (Pb) free (previously 7a exempt).
5.2 Additional Explanation (optional)	

	6. Marking of Parts / Traceability of Change
6.1 Description	Top brand moves from ACS713T to ACS713S to signify the SnAg version.

		1. PCN Basic Da	ta
1.1 Company		955 Pe	Allegro MicroSystems erimeter Rd, Manchester, New Hampshire 03103 U.S.A.
1.2 PCN No.		PbFreeCS	
1.3 Title of PCN		Lead (Pb) Free Conversion	- Solder Bumps
		7. Timing / Scheo	dule
7.1 Date of Qualification	ation Results		
7.2 Last Order Date	(optional)		
7.3 Last Delivery Da	ite (optional)		
7.4 Intended Start o	of Delivery	2021.11.01	
7 5 Qualification Sa	mples Available?	Yes	
7.5 Qualification Samples Available?		Date Available	Now
7.6 Customer Feedb	oack Required Until		

	8. Qualification / Validation		
8.1 Description	Qual Data, Q-100		
(e.g. qual. plan/report, AEC-Q)			
8.2 Qualification Report and Qualification Results		Issue Date	

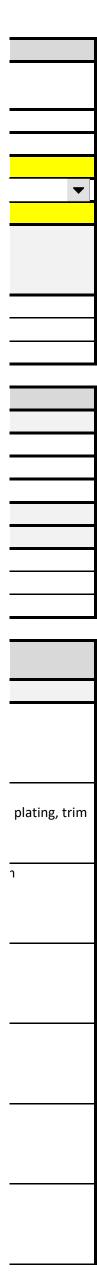
9. Input to Customer for Risk Assessment Process

Under Allegro's procedure for product/process change notification, Allegro strives, based on its technical judgment, to provide notification of signification and that may affect form, fit, function, reliability/durability and processability/manufacturability. However, as Allegro cannot ensure evaluation of product changes for each and every application; the customer retains responsibility to validate the impact of a change on its application suitability.

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

			1.	PCN Basic Dat	а			
1.1 Company		GRO		955 Per	All rimeter Rd, Mai	egro MicroSyst nchester, New		03 U.S.A.
1.2 PCN No.			PbFreeCS					
1.3 Title of PCN			Lead (Pb) Fre	e Conversion -	Solder Bumps			
				. Affected Part				
		11.1 Current					11.2 New (i	f applicable
11.1.1 Customer Pai No.	rt 11.1.2 Supplier Catalog Part No.	11.1.3 Supplier Internal 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 Catalog Part No.	11.2.3 Supplier Internal Part No. (optional)	11.2.4 Package Name
ACS713ELCTR-20A-	T ACS713ELCTR-20A-T	(optional)			(optional)		(optional)	
								

Please note: It is our intention to inform our customer of changes as early as possible. Under Allegro's procedure for product/process change notificat strives, based on its technical judgment, to provide notification of significant changes that may affect form, fit, function, reliability/durability and processability/manufacturability. However, as Allegro cannot ensure evaluation of product/process changes for each and every application; the custo responsibility to validate the impact of a change on its application suitability. If samples are needed for validation of a change, requests may be made contact information provided herein. Please contact your Account Manager or Local Sales Representative for any questions. We kindly request your a so we can meet our target date for implementation. Unless both parties agree to extend the implementation date, this change will be implemented a.



(SnAg)	
(311, (8)	
SS	
specs and	
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ant changes ct/process



mer retains via the consideration s scheduled.