#7

		1. PCN Basic Data				
1.1 Company	ALLEGRO microsyster	955 Perimeter R	Allegro MicroSystems 955 Perimeter Rd, Manchester, New Hampshire 0310			
1.2 PCN No.	•	PbFreeCS				
1.3 Title of PCN		Lead (Pb) Free Conversion - Solder B	umps			
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 Revisi			
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 (options	al)					
2.2.1 Name (optional)		2.2.2 Phone (optional)	2.2.3 Emai			
		3. Changes				
No. 3.0 Identification		3.1 Category	3.2 Type			
#1	SEM-PA-06	PROCESS - ASSEMBLY	Bump Material / Metall Syste			
SEM-PA-14 #2		PROCESS - ASSEMBLY	Change in process technolog (e.g. sawing, die attach, bond and form, lead frame preper			
SEM-PA-15 #3		PROCESS - ASSEMBLY	Process integrity: tuning with			
#4						
#5						
#6						

			1. PCN Basic Data			
1.1 Company ALLEGRO microsystems		Allegro MicroSystems 955 Perimeter Rd, Manchester, New Hampshire 031				
			PbFreeCS			
1.3 Title of PCN			Lead (Pb) Free Conversion - Solder I	Bumps		
#8						
#9						
#10						
			4. Description of Change			
			Current	Ne		
Change #1		Current parts	utilize leaded (SnPb) solder bumps	New solder bumps wil be ma		
Change #2		Current parts	do not include Epoxy Dotting	Epoxy dotting added to the a		
Change #3	Change #3		Epoxy Dots	Adding Epoxy Dots to contro improving the high voltage is		
Change #4						
Change #5						
Change #6						
Change #7						
Change #8						
Change #9						
Change #10	0					
4.6 Anticipated Impact on Form, Fit, Function, Reliability or Processability?		No anticipate device perfor	-	t datasheet specification limits are i		
4.7 Reference Parts with Contional)						
		5	. Reason / Motivation for Change			
5.1 Motivation				sed Directive 2002/95/EC (RoHS) and be lead (Pb) free (previously 7a exer		
5.2 Additional Explanation (opti	onal)					
		6. Ma	rking of Parts / Traceability of Chan	ge		
			Top brand moves from ACS712T to ACS712S to signify the SnAg version.			

6.1 Description		Top brand moves from ACS712T to ACS712S to signify the SnAg version		
		_		

		1. PCN Basic Data				
1.1 Company	ALLEGRO microsystems	955 Per	Allegro MicroSystems imeter Rd, Manchester, New Hampshire 031			
1.2 PCN No.		PbFreeCS				
1.3 Title of PCN		Lead (Pb) Free Conversion -	Solder Bumps			
		7. Timing / Schedule				
7.1 Date of Qualification	Results					
7.2 Last Order Date (opt	ional)					
7.3 Last Delivery Date (c	ptional)					
7.4 Intended Start of Delivery		2021.11.01				
7 F Ovelification Commis			Yes			
7.5 Qualification Samples Available?		Date Available	Now			
7.6 Customer Feedback Required Until						
		8. Qualification / Validation	on			
8.1 Description		Qual Data, Q-100	on .			
(e.g. qual. plan/report, A	AEC-Q)	Quai Butu, Q 100				
8.2 Qualification Report and Qualification Results			Issue Date			
	9. Input	to Customer for Risk Assessi	ment Process			
Under Allegro's procedu	·		echnical judgment, to provide notification of			
affect form, fit, function,	reliability/durability and processability/mar	nufacturability. However, as a	Allegro cannot ensure evaluation of product,			
and every application; th	e customer retains responsibility to validate	the impact of a change on it	s application suitability.			

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

			1. PCN	Basic Data			
1.1 Company	ALLEGRO microsystems		Allegro MicroSystems 955 Perimeter Rd, Manchester, New Hampshire 031(
1.2 PCN No.							
1.3 Title of PCN			Lead (Pb) Fre	e Conversion -	Solder Bumps		
			11. Aff	ected Parts			
	11.1	Current					11.2 New (if
11.1.1 Customer Part No.	11.1.2 Supplier Catalog	11.1.3	11.1.4	11.1.5	11.1.6	11.2.2	11.2.3
	Part No.	Supplier	Package	Part	Additional	Supplier	Supplier
		Internal Part	Name	Description	Part	Catalog Part	Internal Part
		No.		(optional)	Information	No.	No.
		(optional)			(optional)		(optional)
ACS712ELCTR-20A-T	ACS712ELCTR-20A-T						
ACS712ELCTR-30A-T ACS712ELCTR-05B-T	ACS712ELCTR-30A-T ACS712ELCTR-05B-T						
AC3/12ELCTK-U3B-T	ACS/12ELC1K-USB-1						
					1		
					1		
					1		
					1		

Form ado

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

)3 U.S.A.	
on (optional)	
on (optional)	
•	
(optional)	
of Change	
em (internal)	
(
/	rim
ling, moulding, plating, t ation,)	11111
,	
in specification	

]		
)3 U.S.A.			
	-		
	1		
	1		
	1		
	1		
w	İ		
de from silver (SnAg)	1		
ssembly process	1		
bump height specs and olation performance	1		
olution performance	1		
	1		
	1		
	1		
	1		
	1		
	1		
ncreasing to reflect actual]		
] -		
	-		
2011/65/EU (RoHS II) which npt).			
	-		
	J		

Standardized Information for Process/Product Change Notification (PCN)

Standardized Information for	Process/Product Change Notification (PCN)
)3 U.S.A.	
· · · · · · · · · · · · · · · · · · ·	
ignificant changes that may process changes for each	

)3 U.S.A.				
applicable)				
applicable) 11.2.4	11.2.6			
Package	Additional			
Name	Part			
	Information			
	(optional)			

oted from ZVEI Revision 3.0.0

otification, Allegro strives, ssability/manufacturability. validate the impact of a led herein. Please contact for implementation. Unless