ACPS-TMP-S-023 Index: 35 Dated 2024-05-22

ACPS Automotive PPAP Requirements

ACPS AUTOMOTIVE

		Commodity number	All	204	V = Documets which must be submitted for PPAP approval NDT = Non destructive test - N/A = Not applicable
VDA numbers	Requirements	Prototypes, FOTP, Sample parts	Requalification	Technical springs	Remarks / Agreements ACP5 / Supplier
0.1	Self-assessment for product, process, SW (if appl.)		N/A	v	
1.	Deliverables of product development				
1.1	Technical specifications		v	v	
1.2 / 1.3	(ACPS Automotive Drawing) Design release		N/A	N/A	
1.4	Material data sheet / IMDS for all materials (packaging/wrapper & printed materials) which stay in the car		V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340	V IMDS IDs: HUK = 80908 DEI / DES = 237 MXQ = 185340	
1.5	Product FMEA		N/A	N/A	
2.1	Process flow chart		v	v	
2.2	Process FMEA		N/A	V minimum required is the Cover Sheet	
2.3	Control plan		V	V	
3.	Deliverables of the validation of the product	1.			
5.1	Geometry, dimension check	v	*	v	
3.2	Material check	Material Certificate (3.1)	Material Certificate (3.1) according to DIN ISO 10204 see drawing requirements	Material Certificate (3.1) according to DIN ISO 10204 see drawing requirements	
3.3	Function check		V If requested by ACRS	V If requested by ACPS	
3.4	Haptic check		N/A	N/A	
3.5	Acoustics check Odour check		N/A N/A	N/A N/A	
3.7	Appearance check		N/A	N/A	
3.8	Surface check		N/A	N/A V	
3.8.1	Approval of coating		N/A	- Approved ISIR	
3.10	Reliability tests		V As defined on drawing or	V As defined on drawing or	
3.11	Resistance to electrostatic discharge (ESD)		specification	specification	
3.12	Electrical safety / high-voltage safety Electromagnetic compatibility (EMC)				
	APQP Tracking Sheet completed for RC1 and RC2 parts		N/A	If APQP was requested V	
4.	Deliverables of the validation of the production process				
4.1	Achievement of special characteristics (Quantity of measured parts CmK 50 and CpK 125) SC-S \rightarrow CmK >= 2,0 / CpK >= 1,67 SC-FF \rightarrow CmK >= 1,67 / CpK >= 1.33		v	v	
4.1.1	If there are no SC on the drawing, confirmation of process capability of three dimensions defined by supplier CmK >= 1,33 / CpK >= 1,0		V If there was a dimensional complaint last year	v	
4.2	Laboratory qualification (ISO/IEC 17025 or national equivalent) accredited by an body of ILAC MRA		v	v	
4.3	Measured Samples (marked/ numbered and packed in separated boxes)	due to PO	N/A	V (at least 5 pcs)	
4.4	Master sample			If requested by ACPS 1 sample	
4.5 4.5.1	Confirmation of agreed capacity (SLA) Capacity evaluation R@R			v v	
4.6	Tooling list and Inventory Protokol if tool is owned by ACPS or QEM acc. ACPS-TMP-S-016		N/A	v	
4.7	Annual quality self audit D351144		V		
5.	General deliverables				
5.1	Compliance with legal requirements		N/A List of parts used and approval	N/A List of parts used and approval	
5.3	Test/inspection equipment list		status V	status V	
5.4	Measuring system analysis for used production and lab equipment (MSA)		v	v	
5.5	Part history (for electronics also for SW) Evidence of suitability of the employed load carriers		V	V	
5.6	including storage - SLA		N/A	v	
5.8	Documentation of the requalification agreement		N/A	v	
6.	Deliverables for software				
6.1	Software release		N/A	N/A	
7.	Customer spezific requirements				
7.1	WEB 2020 Initial Material Sampling_Mercedes-Benz Cars		V only for Mercedes-Benz ACPS products	V only for Mercedes-Benz ACPS products	
7.2	TESLA IMDS requirements PLM D263835		V only for TESLA	V only for TESLA	
<u> </u>	CAMDS requirements		ACPS products	ACPS products	
7.3	(For asian customers)		v	v	

PPAP Kick off date	
ACPS-SQ representative Name and Signature	Supplier representative Name and Signature

Part number / Drawing index / Part index Part Name