

Manufacturer	Technology	PID reference	Certificate Validity	Contact Point	Plant Address
3D Plus * Buc France	3D Stacking Technology MCM-V *	3300-0546 Rev. 11	ESCC PCA No 351/ January 2019	Mr. P. Maurice pmaurice@3d-plus.com	408, rue Helene Boucher 78532 Buc France
Airbus DS – France Elancourt France	Thick Film, Low Power, Low Frequency, Chip and Wire, Kovar Package (Dual-in-Line, Plug-In, Flat Pack)	GM.HYBR.NT.220. V.MMS Ed. 18 Rev 01, 30-11-2016	ESCC PCA No 345/ December 2018	Mr. D. Mahasoro dominique.mahasoro@airbus.com	1 Boulevard Jean Moulin CS 30503 78997 Elancourt Cedex France
Airbus DS–France Elancourt France	Smart HTCC Multi Chip Modules, Aluminum Nitride ISP (Integrated Substrate Package), Hermetic, single cavity.	GM.HYBR.NT.879. V.ASTR Ed. 07 Rev. 01, 30-11-2016	ESCC PCA No 345/ December 2018	Mr. D. Mahasoro dominique.mahasoro@airbus.com	1 Boulevard Jean Moulin CS 30503 78997 Elancourt Cedex France
Rhe Microsystems Radeberg Germany	Thick Film, Low and Medium Power, Chip and Wire, Hybrids Kovar Packages	To be confirmed	ESCC PCA initial certification in progress	Mr. A. Schwarz andreas.schwarz@rhe.de	Heidestrasse 70 01454 Radeberg Germany
Safran-SAGEM Valence France	Thick Film Low and Medium Power, Chip and Wire, Kovar Package, Double Cavity Ceramic Package	AQA 511 Rev. Z 16-12-2016	ESCC PCA No 346/ December 2018	Mr. S. Blache stephane.blache@safrangroup.com	95, route de Montelier- BP234 26002 Valence France
TESAT Spacecom Backnang Germany	Thin Film Microwave Hybrids based on MMIC and Metal Packages with Ceramic Feed- Thru	63.0200.005.00PID Rev. H	ESCC PCA 341, Jan 2018	Mr. E. Moess, eberhard.moess@tesat.de Mr. Jens Werner, Jens.Werner@tesat.de	Gerberstrasse 49 71522 Backnang Germany

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Thales Alenia Space – ETCA Charleroi Belgium	LLKO, LLCE (Thick Film, Low Power, Low Frequency, Kovar or Ceramic Package) HPMO (High Power Molybdenum Package), MCPH (Multi Cavity, Aluminum Package)	9100.0683 Issue to be confirmed	ESCC PCA initial certification in progress	Mr B. Goffin benoit.goffin@thalesaleniaspace.com Mrs. N. Rovillard Nathalie.Rovillard@thalesaleniaspace.com	Rue Chapelle Beaussart 101 6100 Mont sur Marchienne Belgium
Thales Alenia Space - France Toulouse France	Thin Film, Microwave Hybrid (micropackages, Macropackages, MCMC/HTCC)	39 731 284/924 Ed. 09	ESCC PCA 332A/ May 2019	Mr. M. Lambert Marc.Lambert@thalesaleniaspace.com	26, Av. J.F. Champollion 31037 Toulouse France
Thales Alenia Space -Italy L' Aquila Italy	MHIC Thin Film, and LTCC Microwave Hybrid (Kovar Package, Aluminum Package, LTCC ISP)	PCP-14-60-013 Issue E	ESCC PCA 343 / October 2018	Mrs. E. Miconi Emmanuela.miconi@thalesaleniaspace.com	SS 17 Località Boschetto 67100 L'Aquila Italy

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