

Product / Process Change Notification



N° 2020-112-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Change of Assembly Production and Final test from Tianshui Huatian Electronic Group CO., Ltd (TSHT), China to Huayi Microelectronics Co., Ltd (HYME), China for CoolMOS™ products in TO251/TO252/TO220Fullpak packages

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **24. November 2020**.
- Infineon aligns with the widely-recognized JEDEC STANDARD “**JESD46**“, which stipulates: “**Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.**”

Your prompt reply will help Infineon Technologies to assure a smooth and well executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

Infineon Technologies AG
Postal Address Headquarters: Am Campeon 1-15, D-85579 Neubiberg, Phone +49 (0)89 234-0
Chairman of the Supervisory Board: Dr. Wolfgang Eder
Management Board: Dr. Reinhard Ploss (CEO), Dr. Helmut Gassel, Jochen Hanebeck, Dr. Sven Schneider
Registered Office: Neubiberg
Commercial Register: München HRB 126492

Product / Process Change Notification



N° 2020-112-A

► **Products affected:**

TO251/TO252/TO220Fullpak versions as per attached with affected products list 1_cip20112_a

► **Detailed Change Information:**

Subject: Change of Assembly Production and Final test from Tianshui Huatian Electronic Group CO., Ltd (TSHT), China to Huayi Microelectronics Co., Ltd (HYME), China for CoolMOS™ products in TO251/TO252/TO220Fullpak packages

Reason: TSHT expand their capacity for power device manufacturing line. Due to space limitation in Tianshui, TSHT has decided to relocate power device manufacturing line from Tianshui to Xi'An.
The name of the new plant in Xi'An is Huayi Microelectronics Co., Ltd (HYME), a Joint Venture between Tianshui Huatian Electronics Group Co., Ltd and others.

Description:

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none">Tianshui Huatian Electronics Group Co., Ltd (TSHT) in Tianshui	<ul style="list-style-type: none">Huayi Microelectronics Co., Ltd (HYME) in Xi'An, i.e.: same company with new name
<ul style="list-style-type: none">Marking on device: production lot code starting with either "H" or "C".	<ul style="list-style-type: none">Marking on device: production lot code will be standardized, starting with "H".

► **Product Identification:**

Traceability via Baunumber, Lotnumber, date code and marking on device.

► **Impact of Change:**

NO change on electrical and thermal performance
NO impact on the device reliability as proven via product qualification.
NO impact on the electrical parameters and device processability at customer end.

- Equipment used in TSHT will be transferred to HYME.
- All assembly and test processes, process flows and materials remain the same.
- The package outer dimensions remain unchanged.

► **Attachments:**

Affected product list: 1_cip20112_a
Qualification Test Report: 2_cip20112_a
Customer Info Package: 3_cip20112_a

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► Time Schedule:

■ Final qualification report:	available
■ First samples available:	on request
■ Intended start of delivery:	31 Jan. 2021 or earlier, depending on customer's approval

If you have any questions, please do not hesitate to contact your local Sales office.

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Qualification Test Report



Date:06.10.2020

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Reason for choosing following test vehicle:

IPU60R2K1CE	CE Technology in PG-TO251-3; THD; Standard grade
IPD65R400CE	CE Technology in PG-TO252-3; SMD; Standard grade
IPD60R210PFD7S	PFD7S Technology in PG-TO252-3; SMD; Standard grade
IPD60R180P7S	P7S Technology in PG-TO252-3; SMD; Standard grade
IPAW70R600CE	CE Technology in PG-TO220-3; THD; Standard grade
IPAW60R180P7S	P7S Technology in PG-TO220-3; THD; Standard grade
SPA20N60C3	C3 Technology in PG-TO220-3; THD; Industry grade
IPAS0R140CP	CP Technology in PG-TO220-3; THD; Industry grade
IPA60R060P7	P7 Technology in PG-TO220-3; THD; Industry grade

Scope of qualification: all CoolMOS CE, C3, CP, C6, P7, PFD7S products in TO220FP, TO251 and TO252 in TSHT Tianshui

Assessment of Q-Results: PASS

Stress test	Abbreviation	Test conditions	Readout	IPU60R2K1CE	IPD65R400CE	IPD60R210PFD7S	IPD60R180P7S	IPAW70R600CE	IPAW60R180P7S	SPA20N60C3	IPAS0R140CP	IPA60R060P7
Pre-Conditioning J-STD020 / JESD22 A113	PC	MSL and 3 x reflow at x°C		N.A. (THD)	MSL3 / 260°C	MSL3 / 260°C	MSL3 / 260°C	N.A. (THD)	N.A. (THD)	N.A. (THD)	N.A. (THD)	N.A. (THD)
Temperature Cycling JESD22 A104	TC*	-55°C - +150°C	0 c PC 500 c 1000 c	0 / 77 -	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 -	0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77
Unbiased Highly Accelerated Stress Test JESD22 A118	UHAST*	130°C / 85% rh	0 h PC 96 h	0 / 77 -	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 -	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77
High Humidity High Temp. Reverse Bias JESD22 A101	H3TRB*	T = 85 °C RH = 85% VDS = 100 V	0 h PC 168 h 500 h 1000 h	Reference IPD65R400CE	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77 0 / 77
High Temperature Reverse Bias JESD22 A108	HTRB*	Ta ≥ 150°C V ≥ 80% VDS max	0 h PC 168 h 500 h 1000 h	Reference IPD65R400CE	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77 0 / 77
High Temperature Gate stress JESD22 A108	HTGS*	Ta = 150 °C VGS = ±20 V	0 h PC 168 h 500 h 1000 h	Reference IPD65R400CE	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77 0 / 77	0 / 77 0 / 77 0 / 77 0 / 77
Intermittent Operational Life Test MIL-STD 750/Method 1037	IOL*	Delta T = 100 K n = 15000 cyc	0 c PC 7500 c 15000 c	Reference IPD65R400CE	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 -	0 / 77 0 / 77 0 / 77 -	0 / 77 0 / 77 0 / 77 0 / 77	Reference SPA20N60C3	0 / 77 0 / 77 0 / 77 0 / 77
Resistance to Solder Heat JESD22 B106	RSH	3x Solder dipping @ 270 °C, 7s (for Pb free)	0 h RSH	Reference IPA60R060P7	N.A. (SMD)	N.A. (SMD)	N.A. (SMD)	Reference IPAW60R180P7S	0 / 30	Reference IPA60R060P7	Reference IPA60R060P7	0 / 30
Wave solder simulation for SMD devices JESD22 A111	WS	T=260°C / 1 x 10Secand Temperature Cycling -55°C - +150°C	0 h WS 100 c	N.A. (THD)	0 / 30	Reference IPD60R180P7S	0 / 30	N.A. (THD)	N.A. (THD)	N.A. (THD)	N.A. (THD)	N.A. (THD)
Electrical Distribution JESD86	ED	-55 °C +25 °C +150 °C		0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50	0 / 50 0 / 50 0 / 50

Customer Information Package

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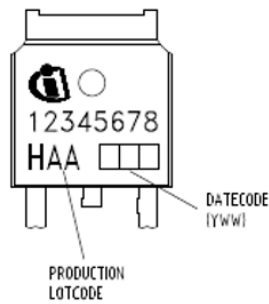
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Change of Assembly Production and Final test from TSHT to HYME for Coolmos™ products in TO251/TO252/TO220Fullpak package

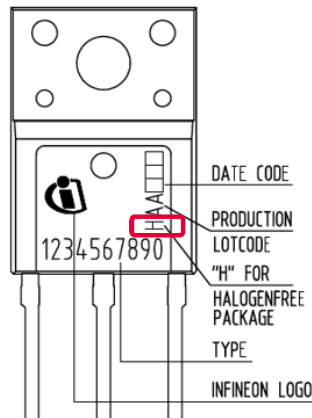


Marking pattern

- ❑ For TO251 and TO252 variants the production lot code remains the same at HYME, starting with “H”.



- ❑ For TO220Fullpak variants the production lot code will be standardized at HYME, starting with “H”.





Part of your life. Part of tomorrow.

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Change of Assembly Production and Final test from Tianshui Huatian Electronic Group CO., Ltd (TSHT), China to Huayi Microelectronics Co., Ltd (HYME), China for CoolMOS™ products in TO251/TO252/TO220Fullpak packages

Sales name	SP number	OPN	Package
IPA50R140CP	SP000234988	IPA50R140CPXKSA1	PG-TO220-3
IPA50R190CE	SP001364312	IPA50R190CEXKSA2	PG-TO220-3
IPA50R199CP	SP000236081	IPA50R199CPXKSA1	PG-TO220-3
IPA50R250CP	SP000236080	IPA50R250CPXKSA1	PG-TO220-3
IPA50R280CE	SP001217218	IPA50R280CEXKSA2	PG-TO220-3
IPA50R350CP	SP000236078	IPA50R350CPXKSA1	PG-TO220-3
IPA50R380CE	SP001217228	IPA50R380CEXKSA2	PG-TO220-3
IPA50R500CE	SP001217230	IPA50R500CEXKSA2	PG-TO220-3
IPA50R800CE	SP001217234	IPA50R800CEXKSA2	PG-TO220-3
IPA50R950CE	SP001217236	IPA50R950CEXKSA2	PG-TO220-3
IPA60R060P7	SP001658404	IPA60R060P7XKSA1	PG-TO220-3
IPA60R080P7	SP001658398	IPA60R080P7XKSA1	PG-TO220-3
IPA60R099P7	SP001658390	IPA60R099P7XKSA1	PG-TO220-3
IPA60R120P7	SP001658376	IPA60R120P7XKSA1	PG-TO220-3
IPA60R125C6	SP000685848	IPA60R125C6XKSA1	PG-TO220-3
IPA60R125C6	SP000685848	IPA60R125C6XKSA1	PG-TO220-3
IPA60R160C6	SP000652794	IPA60R160C6XKSA1	PG-TO220-3
IPA60R160C6	SP000652794	IPA60R160C6XKSA1	PG-TO220-3
IPA60R160P7	SP001866014	IPA60R160P7XKSA1	PG-TO220-3
IPA60R165CP	SP000096437	IPA60R165CPXKSA1	PG-TO220-3
IPA60R180P7	SP001606042	IPA60R180P7XKSA1	PG-TO220-3
IPA60R180P7S	SP001606066	IPA60R180P7SXKSA1	PG-TO220-3
IPA60R190C6	SP000621152	IPA60R190C6XKSA1	PG-TO220-3
IPA60R190C6	SP000621152	IPA60R190C6XKSA1	PG-TO220-3
IPA60R190E6	SP000797380	IPA60R190E6XKSA1	PG-TO220-3
IPA60R190E6	SP000797380	IPA60R190E6XKSA1	PG-TO220-3
IPA60R199CP	SP000094146	IPA60R199CPXKSA1	PG-TO220-3
IPA60R1K0CE	SP001429478	IPA60R1K0CEXKSA1	PG-TO220-3
IPA60R1K5CE	SP001429420	IPA60R1K5CEXKSA1	PG-TO220-3
IPA60R280C6	SP000645030	IPA60R280C6XKSA1	PG-TO220-3
IPA60R280C6	SP000645030	IPA60R280C6XKSA1	PG-TO220-3
IPA60R280E6	SP000797292	IPA60R280E6XKSA1	PG-TO220-3
IPA60R280E6	SP000797292	IPA60R280E6XKSA1	PG-TO220-3
IPA60R280P7	SP001658302	IPA60R280P7XKSA1	PG-TO220-3
IPA60R280P7S	SP001658160	IPA60R280P7SXKSA1	PG-TO220-3
IPA60R280P7S E8228	SP002367752	IPA60R280P7SE8228XKSA1	PG-TO220-3
IPA60R299CP	SP000096438	IPA60R299CPXKSA1	PG-TO220-3
IPA60R360P7	SP001606040	IPA60R360P7XKSA1	PG-TO220-3
IPA60R360P7 E8232	SP004134526	IPA60R360P7E8232XKSA1	PG-TO220-3
IPA60R360P7S	SP001606068	IPA60R360P7SXKSA1	PG-TO220-3
IPA60R360P7S E8228	SP002367774	IPA60R360P7SE8228XKSA1	PG-TO220-3
IPA60R380C6	SP000660632	IPA60R380C6XKSA1	PG-TO220-3

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Sales name	SP number	OPN	Package
IPA60R380C6	SP000660632	IPA60R380C6XKSA1	PG-TO220-3
IPA60R380E6	SP000795300	IPA60R380E6XKSA1	PG-TO220-3
IPA60R380E6	SP000795300	IPA60R380E6XKSA1	PG-TO220-3
IPA60R385CP	SP000089316	IPA60R385CPXKSA1	PG-TO220-3
IPA60R400CE	SP001276040	IPA60R400CEXKSA1	PG-TO220-3
IPA60R400CE E8210	SP001505028	IPA60R400CEE8210XKSA1	PG-TO220-3
IPA60R460CE	SP001276042	IPA60R460CEXKSA1	PG-TO220-3
IPA60R600C6	SP000660624	IPA60R600C6XKSA1	PG-TO220-3
IPA60R600C6	SP000660624	IPA60R600C6XKSA1	PG-TO220-3
IPA60R600E6	SP000797298	IPA60R600E6XKSA1	PG-TO220-3
IPA60R600E6	SP000797298	IPA60R600E6XKSA1	PG-TO220-3
IPA60R600P7	SP001618084	IPA60R600P7XKSA1	PG-TO220-3
IPA60R600P7S	SP001658294	IPA60R600P7SXKSA1	PG-TO220-3
IPA60R600P7S E8228	SP002367778	IPA60R600P7SE8228XKSA1	PG-TO220-3
IPA60R650CE	SP001276044	IPA60R650CEXKSA1	PG-TO220-3
IPA60R650CE E8210	SP001505030	IPA60R650CEE8210XKSA1	PG-TO220-3
IPA60R750E6	SP000842480	IPA60R750E6XKSA1	PG-TO220-3
IPA60R750E6	SP000842480	IPA60R750E6XKSA1	PG-TO220-3
IPA60R950C6	SP000629360	IPA60R950C6XKSA1	PG-TO220-3
IPA60R950C6	SP000629360	IPA60R950C6XKSA1	PG-TO220-3
IPA65R190E6	SP000863904	IPA65R190E6XKSA1	PG-TO220-3
IPA65R1K0CE	SP001429758	IPA65R1K0CEXKSA1	PG-TO220-3
IPA65R1K5CE	SP001429484	IPA65R1K5CEXKSA1	PG-TO220-3
IPA65R280C6	SP000720898	IPA65R280C6XKSA1	PG-TO220-3
IPA65R280E6	SP000795276	IPA65R280E6XKSA1	PG-TO220-3
IPA65R380C6	SP000720896	IPA65R380C6XKSA1	PG-TO220-3
IPA65R380E6	SP000795282	IPA65R380E6XKSA1	PG-TO220-3
IPA65R400CE	SP001429766	IPA65R400CEXKSA1	PG-TO220-3
IPA65R600E6	SP000799140	IPA65R600E6XKSA1	PG-TO220-3
IPA65R650CE	SP001295804	IPA65R650CEXKSA1	PG-TO220-3
IPA70R360P7S	SP001499698	IPA70R360P7SXKSA1	PG-TO220-3
IPA70R450P7S	SP001664868	IPA70R450P7SXKSA1	PG-TO220-3
IPA70R600P7S	SP001499700	IPA70R600P7SXKSA1	PG-TO220-3
IPA70R750P7S	SP001664858	IPA70R750P7SXKSA1	PG-TO220-3
IPA70R900P7S	SP001600942	IPA70R900P7SXKSA1	PG-TO220-3
IPA80R1K0CE	SP001313392	IPA80R1K0CEXKSA2	PG-TO220-3
IPA80R1K2P7	SP001644600	IPA80R1K2P7XKSA1	PG-TO220-3
IPA80R1K4CE	SP001313390	IPA80R1K4CEXKSA2	PG-TO220-3
IPA80R1K4P7	SP001422546	IPA80R1K4P7XKSA1	PG-TO220-3
IPA80R280P7	SP001422552	IPA80R280P7XKSA1	PG-TO220-3
IPA80R310CE	SP001313398	IPA80R310CEXKSA2	PG-TO220-3
IPA80R360P7	SP001633514	IPA80R360P7XKSA1	PG-TO220-3

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Sales name	SP number	OPN	Package
IPA80R450P7	SP001422558	IPA80R450P7XKSA1	PG-TO220-3
IPA80R460CE	SP001313396	IPA80R460CEXKSA2	PG-TO220-3
IPA80R600P7	SP001644604	IPA80R600P7XKSA1	PG-TO220-3
IPA80R650CE	SP001313394	IPA80R650CEXKSA2	PG-TO220-3
IPA80R750P7	SP001644602	IPA80R750P7XKSA1	PG-TO220-3
IPA80R900P7	SP001633482	IPA80R900P7XKSA1	PG-TO220-3
IPA95R1K2P7	SP002314016	IPA95R1K2P7XKSA1	PG-TO220-3
IPA95R450P7	SP001792306	IPA95R450P7XKSA1	PG-TO220-3
IPA95R750P7	SP001792304	IPA95R750P7XKSA1	PG-TO220-3
IPAN50R500CE	SP001508834	IPAN50R500CEXKSA1	PG-TO220-3
IPAN60R125PFD7S	SP003235924	IPAN60R125PFD7SXKSA1	PG-TO220-3
IPAN60R180P7S	SP002367740	IPAN60R180P7SXKSA1	PG-TO220-3
IPAN60R210PFD7S	SP003235776	IPAN60R210PFD7SXKSA1	PG-TO220-3
IPAN60R280P7S	SP001866076	IPAN60R280P7SXKSA1	PG-TO220-3
IPAN60R280PFD7S	SP005354004	IPAN60R280PFD7SXKSA1	PG-TO220-3
IPAN60R360P7S	SP001866154	IPAN60R360P7SXKSA1	PG-TO220-3
IPAN60R360PFD7S	SP003965454	IPAN60R360PFD7SXKSA1	PG-TO220-3
IPAN60R600P7S	SP001866160	IPAN60R600P7SXKSA1	PG-TO220-3
IPAN60R650CE	SP001508816	IPAN60R650CEXKSA1	PG-TO220-3
IPAN60R800CE	SP001508822	IPAN60R800CEXKSA1	PG-TO220-3
IPAN65R650CE	SP001508828	IPAN65R650CEXKSA1	PG-TO220-3
IPAN70R360P7S	SP001682066	IPAN70R360P7SXKSA1	PG-TO220-3
IPAN70R450P7S	SP001721526	IPAN70R450P7SXKSA1	PG-TO220-3
IPAN70R600P7S	SP001682068	IPAN70R600P7SXKSA1	PG-TO220-3
IPAN70R750P7S	SP001721536	IPAN70R750P7SXKSA1	PG-TO220-3
IPAN70R900P7S	SP001703476	IPAN70R900P7SXKSA1	PG-TO220-3
IPAN80R280P7	SP001632934	IPAN80R280P7XKSA1	PG-TO220-3
IPAN80R360P7	SP001702158	IPAN80R360P7XKSA1	PG-TO220-3
IPAN80R450P7	SP001632932	IPAN80R450P7XKSA1	PG-TO220-3
IPAW60R180P7S	SP001606072	IPAW60R180P7SXKSA1	PG-TO220-3
IPAW60R190CE	SP001391612	IPAW60R190CEXKSA1	PG-TO220-3
IPAW60R280CE	SP001391614	IPAW60R280CEXKSA1	PG-TO220-3
IPAW60R280P7S	SP001658180	IPAW60R280P7SXKSA1	PG-TO220-3
IPAW60R280P7S E8228	SP002367782	IPAW60R280P7SE8228XKSA1	PG-TO220-3
IPAW60R360P7S	SP001606074	IPAW60R360P7SXKSA1	PG-TO220-3
IPAW60R360P7S E8228	SP002367786	IPAW60R360P7SE8228XKSA1	PG-TO220-3
IPAW60R380CE	SP001391616	IPAW60R380CEXKSA1	PG-TO220-3
IPAW60R600CE	SP001391618	IPAW60R600CEXKSA1	PG-TO220-3
IPAW60R600P7S	SP001618082	IPAW60R600P7SXKSA1	PG-TO220-3
IPAW60R600P7S E8228	SP002367792	IPAW60R600P7SE8228XKSA1	PG-TO220-3
IPAW70R600CE	SP001619370	IPAW70R600CEXKSA1	PG-TO220-3
IPAW70R950CE	SP001619372	IPAW70R950CEXKSA1	PG-TO220-3

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Sales name	SP number	OPN	Package
IPD50R1K4CE	SP001396808	IPD50R1K4CEAUMA1	PG-TO252-3
IPD50R280CE	SP001396382	IPD50R280CEAUMA1	PG-TO252-3
IPD50R2K0CE	SP001396820	IPD50R2K0CEAUMA1	PG-TO252-3
IPD50R380CE	SP001396790	IPD50R380CEAUMA1	PG-TO252-3
IPD50R3K0CE	SP001396826	IPD50R3K0CEAUMA1	PG-TO252-3
IPD50R500CE	SP001396792	IPD50R500CEAUMA1	PG-TO252-3
IPD50R650CE	SP001396796	IPD50R650CEAUMA1	PG-TO252-3
IPD50R800CE	SP001396798	IPD50R800CEAUMA1	PG-TO252-3
IPD50R950CE	SP001396802	IPD50R950CEAUMA1	PG-TO252-3
IPD60R180P7S	SP001658138	IPD60R180P7SAUMA1	PG-TO252-3
IPD60R180P7S E8228	SP002367798	IPD60R180P7SE8228AUMA1	PG-TO252-3
IPD60R1K0CE	SP001396896	IPD60R1K0CEAUMA1	PG-TO252-3
IPD60R1K0PFD7S	SP005353999	IPD60R1K0PFD7SAUMA1	PG-TO252-3
IPD60R1K5CE	SP001396902	IPD60R1K5CEAUMA1	PG-TO252-3
IPD60R1K5PFD7S	SP004748872	IPD60R1K5PFD7SAUMA1	PG-TO252-3
IPD60R210PFD7S	SP003235792	IPD60R210PFD7SAUMA1	PG-TO252-3
IPD60R280P7S	SP001658154	IPD60R280P7SAUMA1	PG-TO252-3
IPD60R280P7S E8228	SP002367802	IPD60R280P7SE8228AUMA1	PG-TO252-3
IPD60R280PFD7S	SP003493724	IPD60R280PFD7SAUMA1	PG-TO252-3
IPD60R2K0PFD7S	SP004177934	IPD60R2K0PFD7SAUMA1	PG-TO252-3
IPD60R2K1CE	SP001396904	IPD60R2K1CEAUMA1	PG-TO252-3
IPD60R360P7S	SP001658166	IPD60R360P7SAUMA1	PG-TO252-3
IPD60R360P7S E8228	SP002367806	IPD60R360P7SE8228AUMA1	PG-TO252-3
IPD60R360PFD7S	SP003965466	IPD60R360PFD7SAUMA1	PG-TO252-3
IPD60R3K4CE	SP001422856	IPD60R3K4CEAUMA1	PG-TO252-3
IPD60R400CE	SP001396880	IPD60R400CEAUMA1	PG-TO252-3
IPD60R460CE	SP001396882	IPD60R460CEAUMA1	PG-TO252-3
IPD60R600P7S	SP001658286	IPD60R600P7SAUMA1	PG-TO252-3
IPD60R600P7S E8228	SP002367810	IPD60R600P7SE8228AUMA1	PG-TO252-3
IPD60R600PFD7S	SP005353996	IPD60R600PFD7SAUMA1	PG-TO252-3
IPD60R650CE	SP001396884	IPD60R650CEAUMA1	PG-TO252-3
IPD60R800CE	SP001396890	IPD60R800CEAUMA1	PG-TO252-3
IPD65R1K0CE	SP001421368	IPD65R1K0CEAUMA1	PG-TO252-3
IPD65R1K5CE	SP001422862	IPD65R1K5CEAUMA1	PG-TO252-3
IPD65R400CE	SP001466800	IPD65R400CEAUMA1	PG-TO252-3
IPD65R650CE	SP001396908	IPD65R650CEAUMA1	PG-TO252-3
IPD70R1K4CE	SP001466962	IPD70R1K4CEAUMA1	PG-TO252-3
IPD70R1K4P7S	SP001491632	IPD70R1K4P7SAUMA1	PG-TO252-3
IPD70R2K0CE	SP001466914	IPD70R2K0CEAUMA1	PG-TO252-3
IPD70R360P7S	SP001491634	IPD70R360P7SAUMA1	PG-TO252-3
IPD70R600CE	SP001466998	IPD70R600CEAUMA1	PG-TO252-3
IPD70R600P7S	SP001491636	IPD70R600P7SAUMA1	PG-TO252-3

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Change of Assembly Production and Final test from Tianshui Huatian Electronic Group CO., Ltd (TSHT), China to Huayi Microelectronics Co., Ltd (HYME), China for CoolMOS™ products in TO251/TO252/TO220Fullpak packages

Sales name	SP number	OPN	Package
IPD70R900P7S	SP001491638	IPD70R900P7SAUMA1	PG-TO252-3
IPD70R950CE	SP001466970	IPD70R950CEAUMA1	PG-TO252-3
IPS60R1K0CE	SP001471274	IPS60R1K0CEAKMA1	PG-TO251-3
IPS60R1K0PFD7S	SP003493708	IPS60R1K0PFD7SAKMA1	PG-TO251-3
IPS60R1K5CE	SP001471272	IPS60R1K5CEAKMA1	PG-TO251-3
IPS60R210PFD7S	SP003235784	IPS60R210PFD7SAKMA1	PG-TO251-3
IPS60R280PFD7S	SP005354003	IPS60R280PFD7SAKMA1	PG-TO251-3
IPS60R2K1CE	SP001471270	IPS60R2K1CEAKMA1	PG-TO251-3
IPS60R360PFD7S	SP003965460	IPS60R360PFD7SAKMA1	PG-TO251-3
IPS60R3K4CE	SP001422886	IPS60R3K4CEAKMA1	PG-TO251-3
IPS60R400CE	SP001471292	IPS60R400CEAKMA1	PG-TO251-3
IPS60R600PFD7S	SP004748880	IPS60R600PFD7SAKMA1	PG-TO251-3
IPS60R650CE	SP001471280	IPS60R650CEAKMA1	PG-TO251-3
IPS60R800CE	SP001471278	IPS60R800CEAKMA1	PG-TO251-3
IPS65R1K0CE	SP001724356	IPS65R1K0CEAKMA2	PG-TO251-3
IPS65R400CE	SP001422890	IPS65R400CEAKMA1	PG-TO251-3
IPS65R650CE	SP001422888	IPS65R650CEAKMA1	PG-TO251-3
IPS70R1K4CE	SP001467042	IPS70R1K4CEAKMA1	PG-TO251-3
IPS70R1K4P7S	SP001499706	IPS70R1K4P7SAKMA1	PG-TO251-3
IPS70R2K0CE	SP001471300	IPS70R2K0CEAKMA1	PG-TO251-3
IPS70R360P7S	SP001499712	IPS70R360P7SAKMA1	PG-TO251-3
IPS70R600P7S	SP001499714	IPS70R600P7SAKMA1	PG-TO251-3
IPS70R900P7S	SP001499716	IPS70R900P7SAKMA1	PG-TO251-3
IPS70R950CE	SP001467044	IPS70R950CEAKMA1	PG-TO251-3
IPU60R1K0CE	SP001396378	IPU60R1K0CEAKMA2	PG-TO251-3
IPU60R1K5CE	SP001396898	IPU60R1K5CEAKMA2	PG-TO251-3
IPU60R2K1CE	SP001493880	IPU60R2K1CEAKMA1	PG-TO251-3
SPA02N80C3	SP000216295	SPA02N80C3XKSA1	PG-TO220-3
SPA04N80C3	SP000216300	SPA04N80C3XKSA1	PG-TO220-3
SPA06N60C3	SP000216301	SPA06N60C3XKSA1	PG-TO220-3
SPA06N80C3	SP000216302	SPA06N80C3XKSA1	PG-TO220-3
SPA07N60C3	SP000216303	SPA07N60C3XKSA1	PG-TO220-3
SPA08N80C3	SP000216310	SPA08N80C3XKSA1	PG-TO220-3
SPA11N60C3	SP000216312	SPA11N60C3XKSA1	PG-TO220-3
SPA11N80C3	SP000216320	SPA11N80C3XKSA1	PG-TO220-3
SPA11N80C3	SP000216321	SPA11N80C3XKSA2	PG-TO220-3
SPA15N60C3	SP000216325	SPA15N60C3XKSA1	PG-TO220-3
SPA17N80C3	SP000216353	SPA17N80C3XKSA1	PG-TO220-3
SPA20N60C3	SP000216354	SPA20N60C3XKSA1	PG-TO220-3
IPA60R099C6	SP000658000	IPA60R099C6XKSA1	PG-TO220-3