
PRODUCT CHANGE NOTICE

**Lead Frame Material Change
for Assembly of the Listed
Intersil SC-70 Packaged
Products**

**Refer to:
PCN11088**

Date: September 7, 2011

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To: Our Valued Intersil Customer

Subject: **Lead Frame Material Change for Assembly of the Listed Intersil SC-70 Packaged Products - Carsem, Ipoh Malaysia (CAM)**

This notice is to inform you that Intersil is changing the lead frame material used for assembly of the listed SC-70 (Small Outline Transistor) packaged products. The assembly subcontractor, Carsem, is transitioning the lead frame from an Alloy 42 Dual/Matrix format to a Copper C194 High Density FH format during Q4 2011. This action will expand current capabilities and capacities to optimize Intersil's ability to meet customer's delivery requirements. The product and package specific qualification activities are complete.

The Carsem (CAM) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and currently qualified as a supplier to Intersil for assembly of the listed SC-70 packaged products. There will be no change in the moisture sensitivity level (MSL) or package outline drawing (POD). The qualified material set combinations are as follows:

Material Set	Current	New
Mold Compound	Hitachi CEL-9220HF13	
Die Attach	Ablebond 8006NS / A8290	
Bond Wire	1.0 mil Gold (Au)	
Lead Frame	A42 Dual/Matrix (4 mils)	C194 FH High Density (5 mils)

The assembly qualification plan was designed using JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function, or interchangeability of the product. A summary of the qualification results are included for reference. The remainder of the manufacturing operations (wafer fabrication, package level electrical testing, shipment, etc.) will continue to be processed to previously established conditions and systems. Product affected by this change is identifiable via Intersil's internal traceability system.

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product assembled using the Copper C194 High Density FH lead frame beginning *ninety* days from the date of this notification or upon depletion of existing material.

If you have concerns with this change notice, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,

Jon Brewster
Intersil Corporation

PCN11088

CC: J. Touvell F. Tsng D. Decrosta D. Foster S. Nadarajah C. Ludeman L. Van De Perre
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PCN11088 – Products Affected

ISL43L110IHZ-T	ISL88001IE31Z-T	ISL88003IE17Z-TK	ISL9008IECZ-T
ISL43L110IHZ-TS2038	ISL88001IE31Z-T7A	ISL88003IE22Z-T	ISL9008IEFZ
ISL43L111IHZ-T	ISL88001IE31Z-TK	ISL88003IE22Z-T7A	ISL9008IEFZ-T
ISL43L210IHZ-T	ISL88001IE44Z-T	ISL88003IE22Z-TK	ISL9008IEHZ
ISL43L210IHZ-T7A	ISL88001IE44Z-T7A	ISL88003IE23Z-T	ISL9008IEHZ-T
ISL55005IEZ	ISL88001IE44Z-TK	ISL88003IE23Z-T7A	ISL9008IEJZ
ISL55005IEZ-T7	ISL88001IE46Z-T	ISL88003IE23Z-TK	ISL9008IEJZ-T
ISL55007IEZ	ISL88001IE46Z-T7A	ISL88003IE26Z-T	ISL9008IEKZ
ISL55007IEZ-T7	ISL88001IE46Z-TK	ISL88003IE26Z-T7A	ISL9008IEKZ-T
ISL55008IEZ	ISL88002IE16Z-T	ISL88003IE26Z-TK	ISL9008IEMZ
ISL55008IEZ-T7	ISL88002IE16Z-T7A	ISL88003IE29Z-T	ISL9008IEMZ-T
ISL55009IEZ	ISL88002IE16Z-TK	ISL88003IE29Z-T7A	ISL9008IENZ
ISL55009IEZ-T7	ISL88002IE17Z-T	ISL88003IE29Z-TK	ISL9008IENZ-T
ISL55010IEZ	ISL88002IE17Z-T7A	ISL88003IE31Z-T	ISL90726UIE627Z
ISL55010IEZ-T7	ISL88002IE17Z-TK	ISL88003IE31Z-T7A	ISL90726UIE627Z-TK
ISL55011IEZ	ISL88002IE22Z-T	ISL88003IE31Z-TK	ISL90726WIE627Z
ISL55011IEZ-T7	ISL88002IE22Z-T7A	ISL88003IE44Z-T	ISL90726WIE627Z-TK
ISL84714IHZ-T	ISL88002IE22Z-TK	ISL88003IE44Z-T7A	ISL90727UIE627Z
ISL84714IHZ-T7A	ISL88002IE23Z-T	ISL88003IE44Z-TK	ISL90727UIE627Z-TK
ISL84715IHZ-T	ISL88002IE23Z-T7A	ISL88003IE46Z-T	ISL90727UIE627ZS2568
ISL84716IHZ-T	ISL88002IE23Z-TK	ISL88003IE46Z-T7A	ISL90727UIE627ZS2734
ISL88001IE16Z-T	ISL88002IE26Z-T	ISL88003IE46Z-TK	ISL90727WIE627Z
ISL88001IE16Z-T7A	ISL88002IE26Z-T7A	ISL9003IEBZ	ISL90727WIE627Z-T7A
ISL88001IE16Z-TK	ISL88002IE26Z-TK	ISL9003IEBZ-T	ISL90727WIE627Z-TK
ISL88001IE17Z-T	ISL88002IE29Z-T	ISL9003IECZ	ISL90727WIE627ZS2378
ISL88001IE17Z-T7A	ISL88002IE29Z-T7A	ISL9003IECZ-T	ISL90727WIE627ZS2490
ISL88001IE17Z-TK	ISL88002IE29Z-TK	ISL9003IEFZ	ISL90727WIE627ZS2568
ISL88001IE18Z-TR5333	ISL88002IE31Z-T	ISL9003IEFZ-T	ISL90727WIE627ZS2701
ISL88001IE18ZTKR5333	ISL88002IE31Z-T7A	ISL9003IEHZ	ISL90727WIE627ZS2705
ISL88001IE22Z-T	ISL88002IE31Z-TK	ISL9003IEHZ-T	ISL90728UIE627Z
ISL88001IE22Z-T7A	ISL88002IE44Z-T	ISL9003IEJZ	ISL90728UIE627Z-TK
ISL88001IE22Z-TK	ISL88002IE44Z-T7A	ISL9003IEJZ-T	ISL90728UIE627ZS2705
ISL88001IE23Z-T	ISL88002IE44Z-TK	ISL9003IEKZ	ISL90728UIE627ZS2734
ISL88001IE23Z-T7A	ISL88002IE46Z-T	ISL9003IEKZ-T	ISL90728WIE627Z
ISL88001IE23Z-TK	ISL88002IE46Z-T7A	ISL9003IEMZ	ISL90728WIE627Z-T7A
ISL88001IE26Z-T	ISL88002IE46Z-TK	ISL9003IEMZ-T	ISL90728WIE627Z-TK
ISL88001IE26Z-T7A	ISL88003IE16Z-T	ISL9003IENZ	ISL90728WIE627ZS2378
ISL88001IE26Z-TK	ISL88003IE16Z-T7A	ISL9003IENZ-T	ISL90728WIE627ZS2490
ISL88001IE29Z-T	ISL88003IE16Z-TK	ISL9008IEBZ	ISL90728WIE627ZS2568
ISL88001IE29Z-T7A	ISL88003IE17Z-T	ISL9008IEBZ-T	ISL90728WIE627ZS2701
ISL88001IE29Z-TK	ISL88003IE17Z-T7A	ISL9008IECZ	ISL90728WIE627ZS2705

PCN11088 – Reliability Qualification Summary

	Rel Test	Duration	Device ISL90727WIE627ZTK (6L) MSL L1 A8006NS			Device ISL9003IEBZ (5L) MSL L2 A8290		
			Qual Lots (3)	Control lot	Remarks	Qual lots(1)	Control lot	Remarks
1	Storage Life Ta=+150C	1000 Hrs	0/78 (234)	0/78	PASS	NA	NA	NA
2	Bond Pull Test after Storage Life	1000 Hrs	0/2 (6)	0/6	PASS	NA	NA	NA
3	Bond Pull Integrity 175C	96 Hrs	0/5 (15)	0/5	PASS	NA	NA	NA
4	MRT 260C (Pb free) Reflow	PBFREE	0/22 (66)	0/22	PASS	0/22	0/22	PASS
5	Unbiased HAST 130C/85%RH	96 Hrs	0/78 (234)	0/78	PASS	NA	NA	NA
6	Temp Cycle -65 to +150C	500 cyc	0/78 (234)	0/78	PASS	NA	NA	NA
7	Bond Pull Test after Temp cycle	500 cyc	0/5 (15)	0/5	PASS	NA	NA	NA
8	Product Elect Characterization	NA	PASS	PASS	PASS	NA	NA	NA