



**Microsemi Corporation**

September 27, 2017

**Product/Process Change Notification No: 2016-012-1**

**Change Classification: Major**

**Subject:** Change of Wafer Fabrication Location for Power Schottky Die Source

**Description of Change:** The Microsemi Bend Wafer Fabrication site is ceasing the Schottky die process by the end of December 2019. This silicon based die is used in the part number listing below. As a result of the cessation, Microsemi DPG will qualify select Schottky die processes in another internal Microsemi location.

**Reason for Change:** Cessation of Microsemi Bend Silicon Schottky Die process

**Application Impact:** Microsemi is currently fulfilling orders with bridging inventory/Garden Grove die bank as well as currently building safety stock at the Bend wafer fabrication operation for the affected part numbers.

**Method of Identifying Changed Product:** Product built using the internal Microsemi location Schottky die will have an assembly date code which will indicate the change – the customer base will be informed of this date code by amendments to this PCN. Any MIL qualified product will have a date code prefix indicating the other Microsemi location as the die source as listed in QPDSIS-19500.

**Products Affected by this Change:** See below. Please note that all other Microsemi locations will continue processing Schottky barrier diode and other discrettes as before.

**Production Shipment Schedule:** Microsemi will continue production using the safety stock from Garden Grove as well as the current Bend wafer operation.

Microsemi will continue the Qualification of internal Microsemi location Schottky die source.

**Qualification Plan:** Qualification of each product family will be performed per the requirements of MIL-PRF-19500.

**Samples Availability:** Not applicable.

**Part Number List –**

Part Number	Part Number	Part Number	Part Number
1N5823	1N6872U	1N6902UTK3CS	1N6940UTK3CS
1N5824	1N6872UTK2	1N6903UTK3	1N6941UTK3
1N5825	1N6872UTK2AS	1N6903UTK3AS	1N6941UTK3AS
1N5825e3	1N6872UTK2CS	1N6903UTK3CS	1N6941UTK3CS
1N5826	1N6873UTK2	1N6904UTK3	1N6942UTK3
1N5827	1N6873UTK2AS	1N6904UTK3AS	1N6942UTK3AS
1N5828	1N6873UTK2CS	1N6904UTK3CS	1N6942UTK3CS
1N5828R	1N6874UTK2	1N6905UTK3	1N7037CCU1
1N5829	1N6874UTK2AS	1N6905UTK3AS	1N7039CCT1
1N5830	1N6874UTK2CS	1N6905UTK3CS	1N7043CAT1
1N5831	1N6875U	1N6910UTK2	1N7043CCT1
1N5832	1N6875UTK2	1N6910UTK2AS	20FQ035
1N5833	1N6875UTK2AS	1N6910UTK2CS	20FQ045
1N5834	1N6875UTK2CS	1N6911UTK2	30FQ045
1N6095	1N6882UTK4	1N6911UTK2AS	40CDQ045
1N6096	1N6882UTK4AS	1N6911UTK2CS	51HQ035
1N6097	1N6882UTK4CS	1N6912U	51HQ040
1N6098	1N6883UTK4	1N6912UTK2	51HQ045
1N6391	1N6883UTK4AS	1N6912UTK2AS	55HQ030
1N6392	1N6883UTK4CS	1N6912UTK2CS	60HQ100
1N6392e3	1N6884UTK4	1N6920UTK4	75HQ045
1N6492	1N6884UTK4AS	1N6920UTK4AS	BT2545A
1N6492U4	1N6884UTK4CS	1N6920UTK4CS	D1919
1N6660	1N6885UTK4	1N6921UTK4	D2661
1N6660CCT1	1N6885UTK4AS	1N6921UTK4AS	D2712
1N6660D	1N6885UTK4CS	1N6921UTK4CS	D2941
1N6660DT1	1N6892UTK1	1N6922UTK4	D8297
1N6660R	1N6892UTK1AS	1N6922UTK4AS	D8319
1N6785R	1N6892UTK1CS	1N6922UTK4CS	D8352
1N6823	1N6893UTK1	1N6930UTK1	D8379
1N6840	1N6893UTK1AS	1N6930UTK1AS	D8398
1N6840U3	1N6893UTK1CS	1N6930UTK1CS	DR090818A
1N6841U3	1N6894UTK1	1N6931UTK1	DR090818B
1N6842	1N6894UTK1AS	1N6931UTK1AS	JAN1N6391
1N6842U3	1N6894UTK1CS	1N6931UTK1CS	JAN1N6392
1N6843CCU3	1N6895UTK1	1N6932UTK1	Jan1N6492

Part Number	Part Number	Part Number	Part Number
1N6843U3	1N6895UTK1AS	1N6932UTK1AS	JAN1N6492U4
1N6844	1N6895UTK1CS	1N6932UTK1CS	JAN1N6660
1N6844U3	1N6902UTK3	1N6940UTK3	JAN1N6660CAT1
1N6845U3	1N6902UTK3AS	1N6940UTK3AS	JAN1N6660CCT1
JAN1N6660D	JANTX1N6660CAT1	JANTXV1N6660CCT1	MSASC25H15KS
JAN1N6660DT1	JANTX1N6660CCT1	JANTXV1N6660D	MSASC25H15KV
JAN1N6660R	JANTX1N6660D	JANTXV1N6660DT1	MSASC25H30KS
JAN1N6785R	JANTX1N6660DT1	JANTXV1N6660R	MSASC25H30KV
JAN1N6840U3	JANTX1N6660R	JANTXV1N6785R	MSASC25H45K
JAN1N6841U3	JANTX1N6785R	JANTXV1N6840U3	MSASC25H45KS
JAN1N6842U3	JANTX1N6840U3	JANTXV1N6841U3	MSASC25H45KV
JAN1N6843CCU3	JANTX1N6841U3	JANTXV1N6842U3	MSASC25W100K
JAN1N6843U3	JANTX1N6842U3	JANTXV1N6843CCU3	MSASC25W100KS
JAN1N6844U3	JANTX1N6843CCU3	JANTXV1N6843U3	MSASC25W100KV
JAN1N6845U3	JANTX1N6843U3	JANTXV1N6844U3	MSASC25W45K
JAN1N6910UTK2	JANTX1N6844U3	JANTXV1N6845U3	MSASC25W45KS
JAN1N6910UTK2AS	JANTX1N6845U3	JANTXV1N6910UTK2	MSASC25W45KV
JAN1N6910UTK2CS	JANTX1N6910UTK2	JANTXV1N6910UTK2AS	MSASC25W80KV
JAN1N6911UTK2	JANTX1N6910UTK2AS	JANTXV1N6910UTK2CS	MSASC45W100K
JAN1N6911UTK2AS	JANTX1N6910UTK2CS	JANTXV1N6911UTK2	MSASC75H45F
JAN1N6911UTK2CS	JANTX1N6911UTK2	JANTXV1N6911UTK2AS	MSASC75H45FV
JAN1N6912UTK2	JANTX1N6911UTK2AS	JANTXV1N6911UTK2CS	MSASC75W100F
JAN1N6912UTK2AS	JANTX1N6912UTK2	JANTXV1N6912UTK2	MSASC75W100FV
JAN1N6912UTK2CS	JANTX1N6912UTK2	JANTXV1N6912UTK2AS	MSASC75W45FR
JAN1N6940UTK3	JANTX1N6912UTK2AS	JANTXV1N6912UTK2CS	MSASC75W45FV
JAN1N6940UTK3AS	JANTX1N6912UTK2CS	JANTXV1N7037CCU1	MTK2500
JAN1N6940UTK3CS	JANTX1N6940UTK3	JANTXV1N7039CCT1	MTK2501
JAN1N6941UTK3	JANTX1N6940UTK3AS	JANTXV1N7043CAT1	MX007-002
JAN1N6941UTK3AS	JANTX1N6940UTK3CS	JANTXV1N7043CCT1	MX009-306
JAN1N6941UTK3CS	JANTX1N6941UTK3	MCP1004	MX009-401
JAN1N6942UTK3	JANTX1N6941UTK3AS	MSASC100H45H	MX009-402
JAN1N6942UTK3AS	JANTX1N6941UTK3CS	MSASC100H60H	MX009-411
JAN1N6942UTK3CS	JANTX1N6942UTK3	MSASC100W100H	MX009-412
JAN1N7037CCU1	JANTX1N6942UTK3AS	MSASC100W45HS	MX009-414
JAN1N7039CCT1	JANTX1N6942UTK3CS	MSASC150H45L	MX009-415
JAN1N7043CAT1	JANTX1N7037CCU1	MSASC150H45LR	MX009-417
JAN1N7043CCT1	JANTX1N7039CCT1	MSASC150H45LS	MX009-418
JANHCA1N6391	JANTX1N7043CAT1	MSASC150H55L	MX041
JANHCA1N6392	JANTX1N7043CCT1	MSASC150H60L	MX079

Part Number	Part Number	Part Number	Part Number
JANS1N6391	JANTXV1N6391	MSASC150H60LR	MX129
JANTX1N6391	JANTXV1N6392	MSASC150W100L	MX130
JANTX1N6392	Jantxv1N6492	MSASC150W100LS	MX132
Jantx1N6492	JANTXV1N6492U4	MSASC150W200L	NSD137
JANTX1N6492U4	JANTXV1N6660	MSASC150W45L	NSD222
JANTX1N6660	JANTXV1N6660CAT1	MSASC150W60L	
NSD246	SBR6035	SBT3040	USD545HR2
NSD248	SBR6035PF	SBT3040A	
NSD275	SBR6040	SBT3040C	
NSD284	SBR6040PF	SBT3045	
NSD307	SBR6040R	SBT3045C	
SBR10040	SBR6045	SBT3050	
SBR10045	SBR6045e3	SBT3050A	
SBR10050	SBR6045PF	SBT3050C	
SBR12040	SBR6045PFR	SBT3060	
SBR12045	SBR6050	SBT3060C	
SBR12045R	SBR6090	SBT6040C	
SBR12050	SBR7035	SBT6045C	
SBR2520	SBR7045	SBT6050	
SBR2530	SBR8035	SBT6050C	
SBR2535	SBR8035R	SD241	
SBR2540	SBR8040	SD24145	
SBR2545	SBR8045	SD24145C	
SBR3035	SBR8045R	SD24145Ce3	
SBR3040	SBR8050	SD24150	
SBR3045	SBR8050R	SD241HR2	
SBR3045R	SBR8060	SD41	
SBR3050	SBR8210	SD4145	
SBR3050R	SBR8210R	SD41e3	
SBR3060	SBR8215	SD5045PF	
SBR3080	SBR8220	SD51	
SBR3540	SBT2520	SD5145	
SBR3545	SBT2520A	USD245	
SBR3550	SBT2525	USD245C	
SBR50100PF	SBT2525A	USD245CHR2	
SBR50100PFR	SBT2530	USD245CR	
SBR5045PF	SBT2530A	USD245CRHR2	
SBR5050PF	SBT2535	USD3027	
SBR60100	SBT2535A	USD3079	



Part Number	Part Number	Part Number	Part Number
SBR60100P	SBT2540	USD3080	
SBR60100R	SBT2540A	USD345C	
SBR6020	SBT2545	USD345CHR2	
SBR6025	SBT2545A	USD520	
SBR6030	SBT3035	USD535	
SBR6030L	SBT3035A	USD535F	
SBR6030Le3	SBT3035C	USD545	



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Regards,

Microsemi Corporation

Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microsemi Sales Office, the factory contact shown above, or your local distributor.

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<To be attached only where customer acknowledgement/approval is necessary prior to implementation>

## CHANGE APPROVAL SUPPLEMENT

### Customer Acknowledgement / Approval for PCN<XXXX>

Microsemi Corporation intends to implement this change 90 days after this notification. Acknowledgement of your company's acceptance of this change is requested per contractual agreement. Response within 30 days is required.

Accepted

Rejected

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*Signature*

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*Date*

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*Name*

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*Title*

**Please enter rationale for rejection, if applicable:** \_\_\_\_\_

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