



PENTAIR ENCLOSURES

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Extending Product Lifecycle Notice

August 09, 2017

Dear Sir or Madam,

We would like to inform you that on June 19, 2017 Microsemi announced they have engaged Arrow Supply Assurance (ASA) to administer and fulfill orders for a select group of Microsemi products. Microsemi also released a Product Longevity Letter on July 5, 2017 that provides the expected longevity for different product groups. The SmartFusion devices used in the Pentair Board Management Reference (BMR) Products are included in both of the Microsemi announcements.

The following Pentair BMR products are based upon the SmartFusion A2F200 or A2F500 devices:

- AdvancedTCA IPM Controller, 21991-132
- AdvancedMC Carrier IPM Controller Add-on, 21991-134
- AdvancedMC Module Management Controller, 21991-136
- VITA 46.11 IPM Controller, 21991-135

As noted in the attached Microsemi announcements, the Smart fusion devices used on these reference designs will only be available through ASA and are expected to be supported through May 16, 2027.

Best Regards,

A handwritten signature in blue ink that reads "Christian Ganninger".

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July 5, 2017

Dear Valued Customer,

Thank you for your continued interest in Microsemi products. The purpose of this letter is to address Microsemi's product longevity.

Below you will find a matrix of device families with data on when parts first shipped and an approximate timeframe that we expect to continue supporting the family through; please note that this is not a guarantee of availability.

Device Family Name	Microsemi Part Number Starts With...	Year First Shipped	Expected Longevity (from May 16, 2017)
MX	A40MX, A42MX	1997	5 years
SX/SXA	A54SX	1999	5 years
AX	AX	2001	5 years
eX	eX	2001	5 years
ProAsic Plus	APA	2001	5 years
ProAsic 3/Igloo	A3P, AGL	2005	10 years
Fusion	AFS	2006	10 years
Smart Fusion	A2F	2010	10 years
Smart Fusion 2	M2S	2012	15 years
Igloo 2	M2GL	2013	15 years
PolarFire	MPF	2017	15 years

Should Microsemi decide to discontinue a product, our standard discontinuation policy is an 18 month period. We allow 12 months for Last-Time Buys and an additional 6 months for Last-Time Shipments.

We recommend that customers register to receive Product Discontinuation Notices via our website at <https://soc.microsemi.com/portal/default.aspx?r=2>

Please note, Microsemi is unable to provide estimated longevity at the full part number level.

Regards,

Microsemi Corporation

Microsemi Soc Corp.

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Microsemi Corporation
June 19, 2017

Customer Notification No: CN17025

Customer Advisory Notice (CAN)

Subject: Extending Product Lifecycles with Arrow Supply Assurance

Description:

Microsemi has engaged our extended life cycle supplier, Arrow Supply Assurance (ASA), to administer and fulfill orders for a select group of products. Effective June 19, 2017, Arrow Supply Assurance will be accepting orders for the products identified in this notification. Effective June 30, 2017, Microsemi will no longer be accepting orders for these products.

Reason for Change:

Microsemi extends the product lifecycle of slower moving product by engaging with Arrow Supply Assurance. ASA stabilizes MSCC low-volume supply chain because ASA sources product at higher volumes with a predictable frequency. While products in this notification are on mature technologies, they are not being discontinued.

Customer Impact:

This CAN affects Microsemi's direct customers and distribution customers who use distributors other than Arrow.

These products are being transferred to Arrow Supply Assurance and will only be available through Arrow Supply Assurance. All new orders can be placed with ASA as early as June 19, 2017. After June 30, 2017, Microsemi will no longer accept orders for these products. Any order placed between June 19, 2017 and June 30, 2017 will be non-cancelable and non-returnable.

Timely Forecast and Order Placement:

Microsemi and Arrow Supply Assurance have collaborated to fully support customer demand, subject to material and commercial considerations.

Due to potential material or capacity limitations, timely order placement, especially in cases where demand exceeds historical run-rates, is critical to optimize availability of these products.

Orders placed with Arrow Supply Assurance are non-cancelable and non-returnable.

The key dates for the change notification are as follows:

Orders accepted at Arrow Supply Assurance: June 19, 2017

Last order date with Microsemi for affected product: June 30, 2017

Products Affected by this Change:

This is a list of ordering part numbers (OPNs) found in our product datasheets. Customers may have additional part number variants in their systems, so please consider this a base part list.

5962-9958501QXC	A2F200M3F-1CSG288I	A2F200M3F-1FG256	A2F200M3F-1FG256I
A2F200M3F-1FGG256	A2F200M3F-1FGG256I	A2F200M3F-1FGG484	A2F200M3F-1PQG208
A2F200M3F-1PQG208I	A2F200M3F-CS288	A2F200M3F-CS288I	A2F200M3F-CSG288
A2F200M3F-CSG288I	A2F200M3F-FG256	A2F200M3F-FG256I	A2F200M3F-FG484I
A2F200M3F-FGG256	A2F200M3F-FGG256IX218	A2F200M3F-FGG484	A2F200M3F-FGG484I
A2F200M3F-PQG208	A2F200M3F-PQG208I	A2F500M3G-1CS288I	A2F500M3G-1CSG288I
A2F500M3G-1CSG288IPY17	A2F500M3G-1CSG288IXY89	A2F500M3G-1CSG288IXZ57	A2F500M3G-1CSG288IZ013
A2F500M3G-1FG256I	A2F500M3G-1FG256M	A2F500M3G-1FG256YI	A2F500M3G-1FGG256
A2F500M3G-1FGG256I	A2F500M3G-1FGG256IX3	A2F500M3G-1PQG208	A2F500M3G-1PQG208I
A2F500M3G-CSG288	A2F500M3G-CSG288I	A2F500M3G-FG256I	A2F500M3G-FG256M
A2F500M3G-FGG256	A2F500M3G-FGG256I	A2F500M3G-FGG256M	A2F500M3G-PQG208
A2F500M3G-PQG208I	A3P030-1QNG48I	A3P030-1QNG68I	A3P030-QNG48
A3P030-QNG48I	A3P030-QNG68	A3P030-QNG68I	A3P060-TQG144
A3P060-TQG144I	A3P060-TQG144PV79	A3P1000L-1FG144I	A3P1000L-1FG144ID
A3P1000L-1FG256I	A3P1000L-1FG256IX3	A3P1000L-1FGG256I	A3P1000L-FG144I
A3P1000L-FG144IX3	A3P1000L-FG256	A3P1000L-FG256I	A3P1000L-FG256X3
A3P1000L-FGG144	A3P1000L-FGG256	A3P1000L-FGG256I	A3P400-2FG144I
A3P400-FG144	A3P400-FG144I	A3P400-FGG144	A3P400-FGG144I
A3P600-1FG144I	A3P600-1FG484I	A3P600-1FGG484I	A3P600-2FG144I
A3P600-2FG484I	A3P600-2FGG144	A3P600-2FGG144I	A3P600-2FGG484
A3P600-FG144	A3P600-FG144I	A3P600-FG484	A3P600-FG484I
A3P600-FGG144	A3P600-FGG144I	A3P600-FGG484	A3P600-FGG484I
A3P600L-1FG484I	A3P600L-1FGG144	A3P600L-1FGG144I	A3P600L-1FGG484
A3P600L-1FGG484I	A3P600L-FG484I	A3P600L-FGG144	A3P600L-FGG144I
A3P600L-FGG484	A3P600L-FGG484I	A3PE3000-1PQG208	A3PE3000-2PQG208
A3PE3000-2PQG208I	A3PE3000L-1FG324I	A3PE3000L-1FG324ID	A3PE3000L-1FG896
A3PE3000L-1FG896I	A3PE3000L-1FG896M	A3PE3000L-1FGG324I	A3PE3000L-1FGG896
A3PE3000L-1FGG896I	A3PE3000L-1PQG208I	A3PE3000L-FG324	A3PE3000L-FG324I
A3PE3000L-FG896	A3PE3000L-FG896M	A3PE3000L-FG896X167	A3PE3000L-FGG324I
A3PE3000L-FGG896	A3PE3000L-FGG896I	A3PE3000L-PQG208	A3PE3000L-PQG208I
A3PE3000-PQG208	A3PE3000-PQG208I	A3PE3000-PQG208X3	A3PE600-2FG256I
A3PE600-2FG256IX7	A3PE600-2FGG256I	A3PE600-FG256	A3PE600-FG256I
A3PE600-FGG256I	A3PE600L-1FG484M	A3PE600L-1FG484MX3	A3PE600L-1FGG484M
A3PE600L-FG484M	A3PN010-1QNG48	A3PN010-2QNG48	A3PN010-2QNG48I
A3PN010-QNG48	A3PN010-QNG48I	A3PN015-QNG68	A3PN015-QNG68I
A3PN020-QNG68	A3PN020-QNG68I	A3PN030-ZQNG48	A3PN030-ZQNG48I
A3PN030-ZQNG68	A3PN030-ZQNG68I	A40MX02-FPQG100	A40MX02-FVQG80
A40MX02-PQG100	A40MX02-PQG100I	A40MX04-1PQG100	A40MX04-2PQG100I
A40MX04-FPQG100	A40MX04-PQG100	A40MX04-PQG100I	A42MX09-1TQG176
A42MX09-1TQG176I	A42MX09-FPQG160	A42MX09-PQG160	A42MX09-PQG160I
A42MX09-TQG176	A42MX09-TQG176I	A42MX09-TQG176IX218	A42MX16-1PQG208I
A42MX16-2PQG208	A42MX16-3PQG208	A42MX16-FPQG208	A42MX16-PQG208
A42MX36-2BG272I	A42MX36-BG272I	A42MX36-BG272M	A42MX36-BGG272I
A42MX36-CQ256	A42MX36-CQ256BX130	A42MX36-CQ256BX3	A42MX36-CQ256M
A42MX36-PQG240IQ041	A54SX16A-2PQG208I	A54SX16A-FPQG208	A54SX16A-PQG208
A54SX16A-PQG208I	A54SX16P-PQG208	A54SX16P-VQG100I	A54SX32-1CQ208M
A54SX32A-1CQ256	A54SX32A-1CQ256B	A54SX32A-1FG256M	A54SX32A-2BG329I
A54SX32A-2TQG144	A54SX32A-BG329	A54SX32A-BG329I	A54SX32A-BGG329
A54SX32A-CQ256	A54SX32A-CQ256M	A54SX32A-FG256I	A54SX32A-FGG256
A54SX32A-FGG256I	A54SX32A-FTQG144	A54SX32A-TQG144	A54SX32A-TQG144I
A54SX32A-TQG144IPN03	A54SX32A-TQG144IX53	A54SX32-CQ208	A54SX32-CQ208BX181

A54SX72A-1FG484	A54SX72A-1FG484I	A54SX72A-1FG484IX220	A54SX72A-1FG484MX3
A54SX72A-2FG484I	A54SX72A-FG484	A54SX72A-FG484I	A54SX72A-FGG484
AFS250-FG256I	AFS250-FGG256	AFS250-FGG256I	AFS600-1FGG484I
AFS600-FG484	AFS600-FG484I	AFS600-FG484IX297	AFS600-FGG484
AFS600-FGG484I	AFS600-FGG484K	AGL030V2-CSG81	AGL030V2-CSG81I
AGL030V2-QNG48	AGL030V2-QNG48I	AGL030V2-UCG81	AGL030V2-UCG81I
AGL030V2-VQG100	AGL030V2-VQG100I	AGL030V5-CSG81	AGL030V5-CSG81I
AGL030V5-QNG48	AGL030V5-QNG48I	AGL030V5-UCG81	AGL030V5-VQG100
AGL030V5-VQG100I	AGL030V5-VQG100IPR09	AGL060V2-VQG100	AGL060V2-VQG100I
AGL060V5-VQG100	AGL060V5-VQG100I	AGL1000V2-CS281I	AGL1000V2-CSG281
AGL1000V2-CSG281I	AGL1000V2-CSG281X333	AGL1000V2-FG144	AGL1000V2-FG484I
AGL1000V2-FGG144	AGL1000V2-FGG144I	AGL1000V2-FGG484	AGL1000V2-FGG484I
AGL1000V5-CS281I	AGL1000V5-CSG281	AGL1000V5-CSG281I	AGL1000V5-CSG281ID
AGL1000V5-FG144	AGL1000V5-FG144I	AGL1000V5-FG484I	AGL1000V5-FGG144
AGL1000V5-FGG144I	AGL1000V5-FGG484	AGL1000V5-FGG484I	AGL125V2-FG144
AGL125V2-FG144I	AGL125V2-FGG144	AGL125V2-FGG144I	AGL125V2-VQG100
AGL125V2-VQG100I	AGL125V5-FG144I	AGL125V5-FGG144	AGL125V5-FGG144I
AGL125V5-VQG100	AGL125V5-VQG100I	AGL250V2-VQG100	AGL250V2-VQG100I
AGL250V2-VQG100IX377	AGL250V2-VQG100IX427	AGL250V2-VQG100X399	AGL250V5-VQG100
AGL250V5-VQG100I	AGL250V5-VQG100IX377	AGL400V2-CS196I	AGL400V2-CSG196
AGL400V2-CSG196I	AGL400V2-FG256I	AGL400V2-FGG256I	AGL400V2-FGG256IX412
AGL400V5-CS196I	AGL400V5-CSG196	AGL400V5-CSG196I	AGL400V5-FG256I
AGL400V5-FGG256	AGL400V5-FGG256I	AGL600V2-CS281I	AGL600V2-CSG281
AGL600V2-CSG281I	AGL600V5-CS281I	AGL600V5-CSG281	AGL600V5-CSG281I
AGLE3000V2-FG484I	AGLE3000V5-FG484I	AGLE3000V5-FGG484	AGLN010V2-QNG48
AGLN010V2-QNG48I	AGLN010V2-QNG48IX94	AGLN010V2-QNG48PT76	AGLN010V2-QNG48PU33
AGLN010V5-QNG48	AGLN010V5-QNG48I	AGLN015V2-QNG68	AGLN015V2-QNG68I
AGLN015V5-QNG68	AGLN015V5-QNG68I	AGLN015V5-QNG68IPU88	AGLN015V5-QNG68IPZ88
AGLN020V2-CSG81	AGLN020V2-CSG81I	AGLN020V2-QNG68	AGLN020V2-QNG68I
AGLN020V2-QNG68PS16	AGLN020V5-CSG81	AGLN020V5-CSG81I	AGLN020V5-QNG68
AGLN060V2-CSG81	AGLN060V2-CSG81I	AGLN060V2-VQG100	AGLN060V2-VQG100I
AGLN060V2-ZVQG100I	AGLN060V5-CSG81	AGLN060V5-CSG81I	AGLN060V5-CSG81IPV53
AGLN060V5-CSG81IX94	AGLN060V5-VQG100	AGLN060V5-VQG100I	AGLN060V5-ZVQG100
AGLN125V2-CSG81	AGLN125V2-CSG81I	AGLN125V2-VQG100	AGLN125V2-VQG100I
AGLN125V2-VQG100IXY01	AGLN125V2-ZVQG100I	AGLN125V5-CSG81	AGLN125V5-CSG81I
AGLN125V5-VQG100	AGLN125V5-VQG100I	AGLN125V5-ZVQG100I	AGLN250V2-VQG100
AGLN250V2-VQG100I	AGLN250V5-VQG100	AGLN250V5-VQG100I	AGLN250V5-ZVQG100
AGLP030V2-CSG201I	AGLP030V2-CSG201IPV40	AGLP030V5-CSG201	AGLP030V5-CSG201I
AGLP060V2-CSG289	AGLP060V2-CSG289I	AGLP060V2-VQG176I	AGLP060V5-CSG289
AGLP060V5-VQG176	AGLP060V5-VQG176I	AGLP125V2-CS281I	AGLP125V2-CS289I
AGLP125V2-CSG281I	AGLP125V2-CSG289	AGLP125V2-CSG289I	AGLP125V5-CS281I
AGLP125V5-CS289I	AGLP125V5-CSG281	AGLP125V5-CSG281I	AGLP125V5-CSG289
APA075-FG144	APA075-FG144I	APA075-FG144IXK92	APA075-FGG144
APA075-FGG144I	APA075-FGG144IXM03	APA075-FGG144IXN42	
APA075-TQG144	APA075-TQG144I	APA450-FG144I	APA450-FG484I
APA450-FG484X306	APA450-FG484X354	APA450-FGG144I	APA450-FGG484I
APA450-FGG484X306	APA450-FGG484X354	AX1000-1CQ352M	AX1000-CQ352M
AX2000-1CQ256M	AX2000-CQ256M	AX2000-CQ256MX3	AX250-1CQ208M
AX250-1CQ208MX94	AX250-1CQ352M	AX250-1FG256I	AX250-1FG484I
AX250-1FGG256I	AX250-1FGG256M	AX250-2FG256I	AX250-2FG484I
AX250-2FGG256I	AX250-CQ208M	AX250-CQ208MX167	AX250-CQ352M
AX250-FG256I	AX250-FG484	AX250-FG484I	AX250-FGG256I

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AX250-FGG484	AX250-FGG484I	AX500-1CQ208M	AX500-1PQG208I
AX500-2FG484I	AX500-2PQG208I	AX500-CQ208M	AX500-CQ208MX3
AX500-CQ208MX94	AX500-FG484	AX500-FGG484I	AX500-PQG208
AX500-PQG208I	EX128-FTQG100	EX128-FTQG64	EX128-PTQG100
EX128-TQG100	EX128-TQG100I	EX128-TQG64	EX128-TQG64A
EX128-TQG64I	M1A3P1000L-1FGG256I	M1A3P1000L-FG256I	M1A3P600L-FGG484
M1A3PE3000-1PQG208I	M1A3PE3000-2PQG208I	M1A3PE3000L-FG896	M1A3PE3000L-FG896I
M1AFS600-2FGG484I	M1AGL1000V2-CSG281I	M1AGL1000V2-FG144I	M1AGL1000V2-FGG144I
M1AGL1000V2-FGG484	M1AGL1000V5-FGG484	M1AGL250V2-VQG100	M1AGL250V2-VQG100I
M1AGL250V5-VQG100	P1AFS600-2FG484I		

Contact Information:

Please contact your local Microsemi Sales Office for information regarding this CAN. To place new orders for these products, contact your local Arrow Sales Office or Arrow Supply Assurance at supplyassurance@arrow.com.

About Arrow Supply Assurance (ASA):

ASA is an operating group within Arrow Global Components. For almost 25 years, the group has systematically invested in products in close collaboration with franchised suppliers to support customer's needs in decreasing consumption markets. ASA insures that the optimum quantity of factory-direct products remains available to customers for whom redesign is not an option.

ASA supports all selling groups of Arrow through its centralized pool of obsolete or declining-demand devices. ASA further protects customers by preserving the highest level of supply chain safety and source transparency. ASA only supports Arrow's franchised suppliers with factory-direct products.

Regards,

Microsemi Corporation

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Microsemi

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