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Issue by: ESBC/EIoT

Product Change Notification

Key Characteristics of the Change

According to Enpirion power IC discontinuance, provide revised version on MIO-5272, MIO-2263, MIO-3260, MIO-5391, MIO-5393, and PCM-3365 product series for product continuity.

Due to Enpirion power IC EOL and the 2nd source TI power IC supply limited, ESBC will add the 3rd brand Cyntec source to expand the supply.

Description of Change to the Customer

1. Enpirion announced to discontinue the manufacturing and LTB purchasing of all Enpirion product series by 2022/3/18. No successor product.
2. Wafer supply is constrained and quite behind Enpirion's backlog and last-time-buy demands. Suggest to accelerate redesign.
3. Advantech has prepared and issued last-time-buy orders including current backlog and aggressive future possible demands. However, based on current supply constrains, we foresee Enpirion cannot fulfill all in-time.
4. Advantech MIO and PCM product series have started to revise impacted products. Schedule and detail please refer to below Table-1.
5. We suggest customer approve revised version as soon as possible once samples available, but keep original one to have the flexibility on dual sources since IC supply still critical in 2022 even on new source. For T-P/N, suggest to create a new one in parallel to original.
6. TI source supply condition may not be positive so we will see supply condition to change either TI or 2nd source Cyntec as major supply from Q3 for standard P/N. We are pushing for the validation. Testing schedule are updated in Table 1.

Table. 1

Model	Part Number Impact		A2 version Source & Schedule			
	Before	After (Plan)	1st TI source	MP	2nd Cyntec source	MP
MIO-2263	MIO-2263E-S3A1E	MIO-2263E-S3A2	1410026524-01 Texas	Now	1410032385-01 Cyntec/ MUN3CAD03-SE	Aug., 2022
	MIO-2263J-U0A1E	MIO-2263J-U0A2				
	MIO-2263JH-U0A1E	MIO-2263JH-U0A2				

	MIO-2263EZ-2GS3A1E	MIO-2263EZ-2GS3A2	Instruments/			
	MIO-2263EZ22GS3A1E	MIO-2263EZ22GS3A2	TPS82085SILR			
MIO-3260	MIO-3260L-S3A1E	MIO-3260L-S3A2	1410026524-01 Texas Instruments/ TPS82085SILR	Now	1410032385-01 Cyntec/ MUN3CAD03-SE	Sep., 2022
	MIO-3260L-S8A1E	MIO-3260L-S8A2				
	MIO-3260C-S8A1E	MIO-3260C-S8A2				
	MIO-3260LZ22GS3A1E	MIO-3260LZ22GS3A2				
	MIO-3260LZ22GS8A1E	MIO-3260LZ22GS8A2				
	MIO-3260CZ22GS8A1E	MIO-3260CZ22GS8A2				
MIO-5393	MIO-5393RE6C-U8A1	MIO-5393RE6C-U8A2	1410027586-01 Texas Instruments/ TPS82130SILT	Aug, 2022	1410032385-01 Cyntec/ MUN3CAD03-SE	Oct.,2022
	MIO-5393RC7Q-U7A1	MIO-5393RC7Q-U7A2				
	MIO-5393RC7Q-S9A1	MIO-5393RC7Q-S9A2				
	MIO-5393C5Q-U5A1	MIO-5393C5Q-U5A2				
	MIO-5393RE6CX-U8A1	MIO-5393RE6CX-U8A2				
MIO-5391	MIO-5391E4M-H0A1	MIO-5391E4M-H0A2	1410027586-01 Texas Instruments/ TPS82130SILT	Aug, 2022	1410032370-01 Cyntec/ MUN12AD03-SEC	Oct.,2022
	MIO-5391C7-H0A1	MIO-5391C7-H0A2				
	MIO-5391C5-U1A1	MIO-5391C5-U1A2				
	MIO-5391C3-U1A1	MIO-5391C3-U1A2				
	MIO-5391E4MZ2-H0A1	MIO-5391E4MZ2-H0A2				
	MIO-5391C7Z2-H0A1	MIO-5391C7Z2-H0A2				
	MIO-5391C5Z2-U0A1	MIO-5391C5Z2-U0A2				
MIO-5272	MIO-5272U-U8A1E	MIO-5272U-U8A2	1410026524-01 Texas Instruments/ TPS82085SILR	Now	1410032370-01 Cyntec/ MUN12AD03-SEC	Aug., 2022
	MIO-5272Z-U8A1E	MIO-5272Z-U8A2				
	MIO-5272Z2-U8A1E	MIO-5272Z2-U8A2				
	MIO-5272U-U6A1E	MIO-5272U-U6A2				
	MIO-5272Z2-U6A1E	MIO-5272Z2-U6A2				
	MIO-5272U-U4A1E	MIO-5272U-U4A2				
	MIO-5272Z-U4A1E	MIO-5272Z-U4A2				
	MIO-5272Z2-U4A1E	MIO-5272Z2-U4A2				
	MIO-5272U-U3A1E	MIO-5272U-U3A2				
PCM-3365	PCM-3365E-S3A1E	PCM-3365E-S3A2	1410026524-01 Texas Instruments/ TPS82085SILR	Now	1410032385-01 Cyntec/ MUN3CAD03-SE	Sep., 2022
	PCM-3365EW-S3A1E	PCM-3365EW-S3A2				
	PCM-3365EW-S9A1E	PCM-3365EW-S9A2				
	PCM-3365N-S8A1E	PCM-3365N-S8A2				

Customer Impact of Change and Recommended Action

Impact on hardware design: Yes

Impact on BIOS changes: No

Impact on software design: No

Impact on mechanical & thermal: No

Impact on ordering part number: Yes

Last-Time-Buy for A1 version and Last-Shipment

End-of-Life Announce	Last-time-buy Date	Last-time Shipment Date
10th , Jan., 2022	10th, March, 2022*1	31th, December, 2022*2

*1: According to currently component supply constrain and no firmed lead time (in allocation), strongly suggest customer to implement dual source (A2 version). If customer cannot migrate to A2 in short time, it would be better to place product orders instead of components to get better availability (production lead time > 30 weeks).

*2: We plan to phase out all A1 version by end of 2022 and replace by A2 version. However, it still depends on the supply status and subject to change.

Suggest for Replacement

All impacted product series will provide revised A2 version. Please refer to Table-1.

PCN Revision History

Revision	Date	Description
v1.0	10th , Jan.,2022	Initial version
V2.0	30th, July, 2022	Update 3rd source Cyntech schedule & major source