





# Product Change Notice

Doc. No.: CR.EN.04.021  
 Version: A0  
 Date: 2016.07.19  
 Writer: Pato Feng

Product	MX Series product	PCN#	PCN-00001	Version	A	Revision	00
<b>Description For Product Change</b>							
1) Changed the venturi material from Zinc Alloy to magnesium alloy. 2) Changed the impeller material from PP301 to magnesium alloy. 3) Added the thread to venturi's mounting holes. 4) Changed the grounding hole thread from #10-32 to M4-8.							
<b>Reasons For Product Change</b>							
Product upgrade for manufacturable.							
<b>Reference For Product Change</b>							
N/A							

Type Of Product Change			
Engineering Related		Manufacturing Related	
Software	Done	Alternate or replacement part	Replacement
Firmware	Done	Improve manufactureability	Done
Hardware( Electronics Design)	Done	Vendor or Supplier request	Internal request
Hardware(PCB)	Done	Cost savings:	N/A unit( if applicable)
Hardware(Mechanical Design)	Done	ECN#	ECN-00012
Documentation	Done	Latest Attached with ECN	

Product Changes	
Original Design	Upgraded Design
1) Venturi: Zinc Alloy, through holes for mounting, #10-32 grounding hole. 2) Impeller: PP301 material. 	1) Venturi: magnesium alloy, threaded holes for mounting 8-M5, M4-8 grounding hole. 2) Impeller: magnesium alloy. 

**PREPARED BY**

Engineering: Pato Feng DATE: 2016.7.19  
 Production: He Dongsheng DATE: 7/19.2016

**APPROVED BY**

Engineering Manager: Pato Feng DATE: 2016.7.19  
 Production Manager: He Dongsheng DATE: 7/19.2016  
 Sales Manager: Shelly Cuo DATE: 7.19.2016  
 Quality Manager: David Zhang DATE: 2016.7.19  
 General Manager: Robert Godwin DATE: \_\_\_\_\_



# Product Change Notice

Doc. No.: CR.EN.04.021  
 Version: A0  
 Date: 2016.07.19  
 Writer: Pato Feng

Product	SU Series product	PCN#	PCN-00002	Version	A	Revision	00
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### Description For Product Change

1) Changed the venturi material from Zinc Alloy to magnesium alloy. 2) Changed the impeller material from PP301 to magnesium alloy. 3) Added the thread to venture's mounting holes. 4) Changed the grounding hole thread from #10-32 to M4-8.

### Reasons For Product Change

Product upgrade for manufacturable.

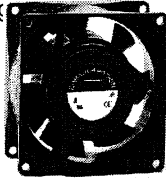
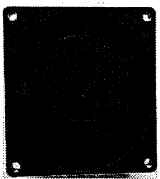
### Reference For Product Change

N/A

### Type Of Product Change

Engineering Related		Manufacturing Related	
Software	Done	Alternate or replacement part	Replacement
Firmware	Done	Improve manufactureability	Done
Hardware(Electronics Design)	Done	Vendor or Supplier request	Internal request
Hardware(PCB)	Done	Cost savings:	N/A <span style="border: 1px solid black; padding: 2px;">unit( if applicable)</span>
Hardware(Mechanical Design)	Done	ECN#	ECN-00012
Documentation	Done	Latest Attached with ECN	

### Product Changes

Original Design	Upgraded Design
1) Venturi: Zinc Alloy, through holes for mounting #10-32 grounding hole. 2) Impeller: PP301 material. 	1) Venturi: magnesium alloy, 8-M5 mounting holes, M4-8 grounding hole. 2) Impeller: magnesium alloy. 

### PREPARED BY

Engineering: Pato Feng

DATE: 2016.7.19

Production: He Dongsheng

DATE: 2016.7.19

### APPROVED BY

Engineering Manager: Pato Feng

DATE: 2016.7.19

Production Manager: He Dongsheng

DATE: 2016.7.19

Sales Manager: Stelby Cao

DATE: 2016.7.19

Quality Manager: David Zhang

DATE: 2016.7.19

General Manager: R. Dodman

DATE: \_\_\_\_\_

ENGINEERING CHANGE NOTICE					
Customer Notification required: (yes) <input type="checkbox"/> (no) <input type="checkbox"/>				ECN#:00012	
Customer Approval required: (yes) <input type="checkbox"/> (no) <input type="checkbox"/> (Attached customer ECO)				Sheet: 1 of 2	
(Originator completes Step 1 thru Step 6)				Priority: 1	
Step 1	Originator: Pato.Feng		Product: MX and SU series		Date: 2016.07.18
Step 2	Description of Change				
Product upgrade for MX and SU series structure. 1. Changed the venturi from Zinc Alloy to magnesium alloy. 2. For SU series changed the impeller from Zinc Alloy to magnesium alloy. 3. Added the thread to venture's mounting holes. 4. Changed mounting hole thread from #10-32 to M4*8					
Step 3	Reason: changed the structure and material for the venturi and impeller.				
Step 4	Main Description of Material: MX and SU series		Not Applicable: N/A		
Step 5	Deviation Required: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Deviation# (If applicable): N/A	
Description: N/A			Item group: N/A		
Same As: N/A			Warehouse code: N/A		
Effectively date start:		Effectively Duration:		Statistics group: N/A	
Step 6	Disposition of Affected Part(s) Attach sheet if deviation disposition is different from final ECN disposition				
Purchasing disposition	WIP Internal	WIP External	Stock Local	Stock Remote	Product at customer site
<input checked="" type="checkbox"/> No affect <input type="checkbox"/> Cancel all PO's <input type="checkbox"/> Hold current PO's <input type="checkbox"/> Change qty of PO <input type="checkbox"/> Order new parts <input type="checkbox"/> Other: (Attach sheet with detailed description)	<input checked="" type="checkbox"/> No affect-use up <input type="checkbox"/> Rework: <input type="checkbox"/> Scrap: (ATOM form required) <input type="checkbox"/> Other: (Attach sheet with detailed description) <input type="checkbox"/> Tooling required	<input checked="" type="checkbox"/> No affect-use up <input type="checkbox"/> Rework: <input type="checkbox"/> Scrap: (ATOM form required) <input type="checkbox"/> Other: (Attach sheet with detailed description) <input type="checkbox"/> Tooling required	<input checked="" type="checkbox"/> No affect-use up <input type="checkbox"/> Rework: <input type="checkbox"/> Scrap: (ATOM form required) <input type="checkbox"/> Other: (Attach sheet with detailed description) <input type="checkbox"/> Tooling required	<input checked="" type="checkbox"/> No affect-use up <input type="checkbox"/> Rework: <input type="checkbox"/> Scrap: (ATOM form required) <input type="checkbox"/> Other: (Attach sheet with detailed description) <input type="checkbox"/> Tooling required	<input checked="" type="checkbox"/> No affect <input type="checkbox"/> Inform customer of findings <input type="checkbox"/> Recall <input type="checkbox"/> Quarantine <input type="checkbox"/> Rework at customer site <input type="checkbox"/> Other: (Attach sheet with detailed description)
Notes:			Number of pieces affected: N/A		
			Part# description: N/A		
			Cost Impact: N/A		
			Action by: N/A		
Does change require DV test? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				If Yes, attach Design Validation Plan.	
PPAP Reference: N/A					
Responsible Engineer:	Please print name here Pato.Feng	Preliminary review/create x-drawings Attached	Sign and date Pato.Feng 2016.7.19		
Department Approvals					
Department	Print Name	Signature	Date	Comments	
Engineering Department	Pato.Feng	<i>Pato.Feng</i>	2016.7.19		
QA Department	David.Zhang	<i>David Zhang</i>	2016.7.19		
Production Department	He Dongsheng	<i>[Signature]</i>	2016.7.19		
Sourcing Department	Joe.Zhang	<i>Joe Zhang</i>	2016.7.19		
Sales Department	Shelly.Cao	<i>Shelly Cao</i>	2016.7.19		
Financial Department	N/A				
GM	Bob.Godwin	<i>Robert Godwin</i>			
Customer If Required					

