

PCN Product Change Notification

for #20260216-1

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Title: PCN miro EdgeCard 02 per 16.01.2026		
PCN #: 20260216-1	Notification Date 16.02.2026	
1 Reason for Change		
☐ Material / Composition	☒ Design / Firmware	
☐ Processing / Manufacturing	☐ Other: Other reason	
2 Change Description		
PCN Change Description This PCN incorporates the following engineering changes: New Components Shield clips M14 and M15 have been added to the assembly as DNP (Do Not Populate) components, providing the option for improved chassis grounding in future configurations or customer-specific requirements. A DNP 0Ω resistor (R109) has been added to enable future feature support for routing the PPS (Pulse Per Second) signal to the host CPU without requiring a board revision. Component Changes – Drop-in Alternatives (Supply Chain Risk Mitigation) U101, U202, and Y500 have been replaced with functionally equivalent, pin-compatible alternative parts to mitigate supply chain risk. These substitutions are qualified drop-in replacements with no impact on form, fit, or function. Component Changes – Design Corrections (Regulatory Compliance) D700 has been replaced by transient voltage suppressor RV700, and D800/D801 have been replaced by RV800/RV801. These changes address a design flaw identified during CE compliance testing and are mandatory for continued CE marking. The affected components were incorrectly specified in the previous revision and have been replaced with the appropriate protection devices. The USB VID and PID have been updated. New Vendor ID 0x398E, product ID 0xC154. Integration partners or host drivers that filter by USB VID/PID must be updated.		
3 Impact and Recommended Action		
Impact Assessment The changes introduced in this PCN have no impact on form, fit, or function for the DNP additions (M14, M15, R109), as these components are not populated in the standard configuration and require no changes to customer assemblies or test procedures. The component substitutions for U101, U202, and Y500 are qualified drop-in replacements. No changes to schematics, BOMs, software, firmware, or mechanical assemblies are required. Electrical and functional performance remains unchanged. The replacement of D700 with RV700 and D800/D801 with RV800/RV801 constitutes a mandatory design correction required for CE compliance. Products built prior to this PCN may not meet CE marking requirements and should be reviewed accordingly. This change has no impact on mechanical interfaces or software but corrects the protection characteristic of the affected circuitry.		
Recommended Action Customers are advised to review their inventory and pipeline stock in relation to this PCN. For products intended for CE-marked markets, the changes to RV700, RV800, and RV801 are mandatory, and shipment of non-compliant boards into affected markets should be halted until updated stock is available. For all other changes, no immediate action is required. Customers wishing to qualify the updated component alternatives for U101, U202, or Y500 are encouraged to contact their application engineer or product manager for technical documentation and sample availability. The USB VID/PID dependency requires an update in the integrators host system.		
4 Products Being Changed		
Part Number	Part Name	Description
GWC-02-LW-868	miro EdgeCard 02	LoRaWAN Mini PCIe gateway card, 868 MHz
Part Number	Part Name	Part description
Part Number	Part Name	Part description
Part Number	Part Name	Part description
Part Number	Part Name	Part description
5 Miromico Contact		

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Please contact your distributor for additional information.

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