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## Product Change Notification

**PCN No:** 2023-06-13-01  
**Report Date:** June 13, 2023  
**Subject:** GLK12232-25 PCB R4.0 Release

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### List of New Products:

GLK12232-25 R4.0 Available colors: WB / FGW Available protocols: RS232 / TTL / I2C / USB Available voltage options: 5V, VPT (9-15V) Available temperature options: regular and extended
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### Reason for Change:

The GLK12232-25 PCB R4.0 Matrix Orbital graphic module has been upgraded due to supply issue of TQFP package used in PCB 3.0. New PCB R4.0 uses a different, more readily available footprint: MCH package.

New PCB R4.0 will be populated with ATmega164P-MCU (MCH) versus the ATmega164P-AU (TQFP) used on PCB 3.0.

The GLK12232-25 PCB R4.0 also unifies the product line. PCB R3.0, which offered all available communications options in one PCB (plus a daughter board for -USB), has been upgraded into one without the need of daughter board for -USB.

The GLK12232-25 PCB R4.0 supports the following voltage options:

- **-VPT** (9V to 15V) \*new voltage option, only offered on non-USB models
- -5V

**All other functionalities remain the same.**

**Schedule of Change:**

July 2023

### Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	June 13, 2023	R Malinis

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