CL-103 Product Family Specification

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USING THIS DOCUMENT

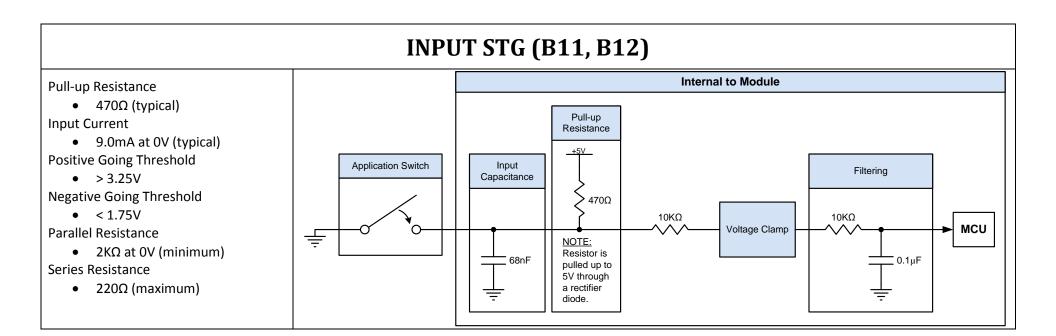
The specifications contained herein represent all possible configurations for this product family. The actual configurations available on each module may be a subset of this specification. Please refer to the module-specific datasheet for the connector pinout and configurations that are available.

USER LIABILITY

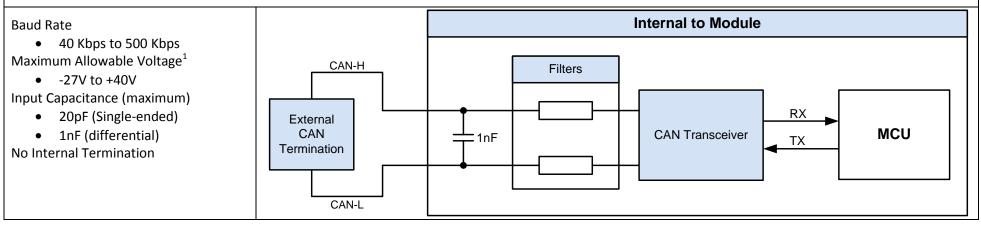
The OEM of a machine or vehicle in which HED[®] electronic controls are installed is fully responsible for all consequences that might occur. HED[®], and any authorized distributor, has no responsibility for any consequences, direct or indirect, caused by failures or malfunctions. Failure or improper selection or improper use of HED[®] products can cause death, personal injury and property damage.

The OEM must analyze all aspects of their application and review the information concerning product or system in the current product documentation. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by HED[®] at any time without notice.

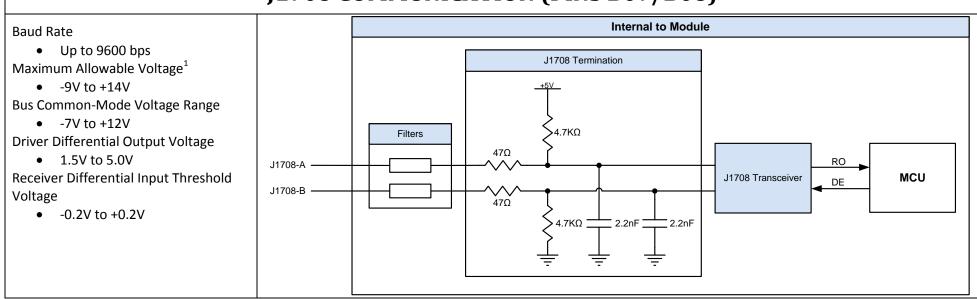


CAN COMMUNICATION (PINS A07/A08, A09/A10, B09/B10)



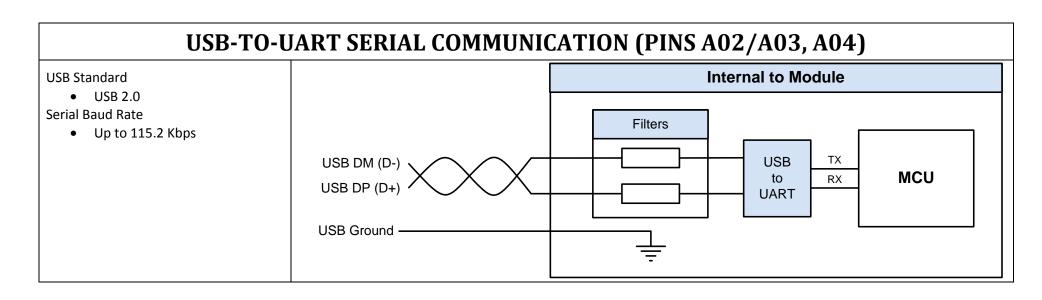
¹ Maximum allowable voltage defines the voltage extremes that the transceiver can tolerate. Exposure to these voltages for extended periods may affect device reliability.

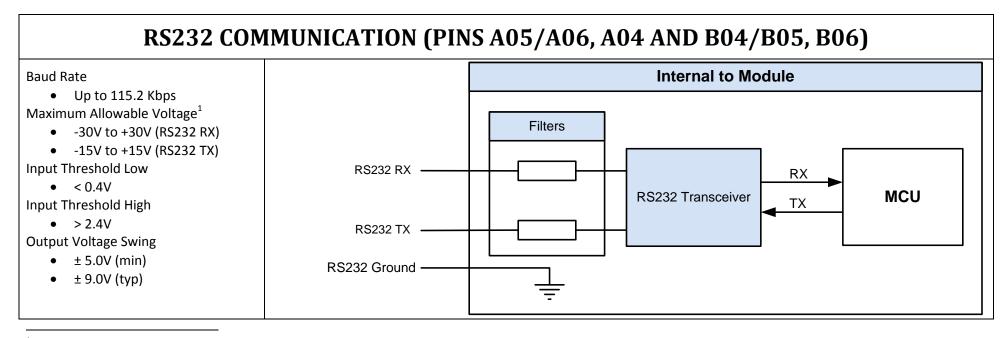
J1708 COMMUNICATION (PINS B07/B08)



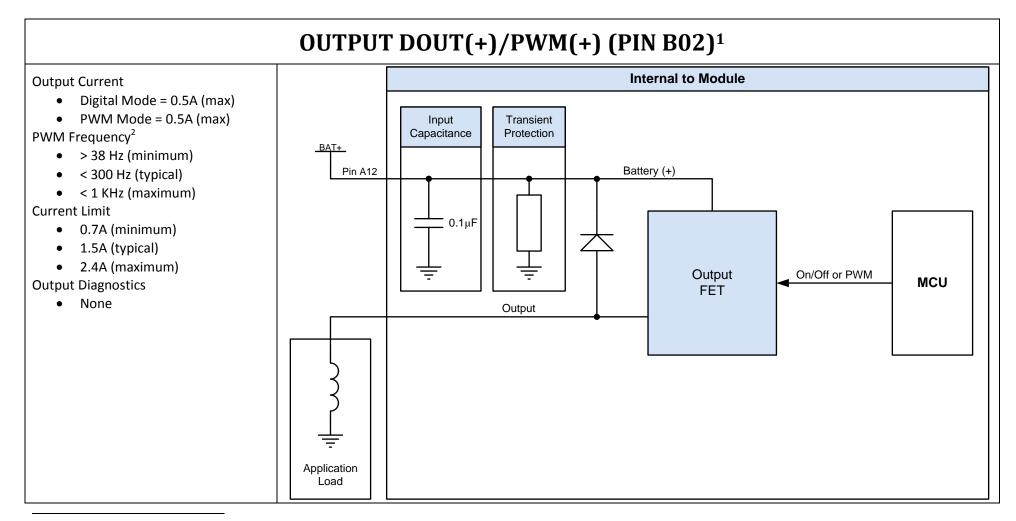
¹ Maximum allowable voltage defines the voltage extremes that the transceiver can tolerate. Exposure to these voltages for extended periods may affect device reliability.

Configuration • 10KΩ in parallel with 2.2nF SHIELD HIELD HIELD Internal to Module 2.2nF 2.2nF



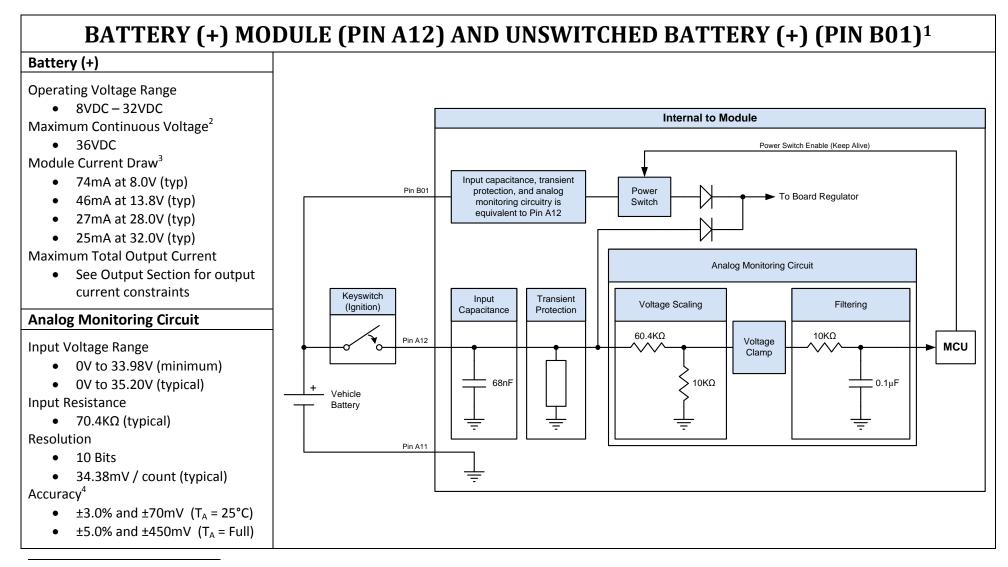


¹ Maximum allowable voltage defines the voltage extremes that the transceiver can tolerate. Exposure to these voltages for extended periods may affect device reliability.



¹ Output circuitry may be damaged by a reverse battery condition. Application should ensure a reverse battery condition does not occur at the module.

² The output driver is best suited for PWM frequencies of 300 Hz or less. PWM frequencies of up to 1 KHz are possible, but at reduced output current and duty cycle range.



¹ The block diagram shown represents one possible implementation in the system. Other implementations may be used based on system requirements.

² Exposure to maximum voltages for extended periods may affect device reliability.

³ Module current draw is measured with I/O inactive and no CAN, USB, J1708, or RS232 communication.

⁴ VTD accuracy is estimated using datasheet maximums and a weighted average of worst-case and root-sum-square (RSS) methods. It is considered as a percentage of the input voltage combined with an additional offset.

REVISION HISTORY				
Revision	Date	EC #	Changes	
A1	7/23/15	315-245	Initial Release	