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# CTI 25xx Serial Master Driver

## Information Sheet for Crimson v2.0

### Compatible Devices

CTI Serial devices supporting the CAMP protocol.

### Verified Device

CTI 2572-A

### Accessing Data

NOTE: It is the programmers responsibility to protect data so that only valid values are sent to the CTI. In the event the CTI device responds with an error code, the error code and information related to the error will be stored in the Latest Error Code data item provided in the driver.

The Latest Error Code is designed to be viewed in 8 digit hexadecimal format. It should be interpreted as follows:

xyyyyyee - where xx is the CAMP type as defined in the table below, yyyy is the register address and ee is the error as defined in the CTI documentation.

Prefix	Description	Access	Type
V	Data Registers ( 16-bit)	R/W	0x01
K	K Memory (16-bit)	R/W	0x02
X	Discrete Input Packed (16-bit)	R/W	0x06
Y	Discrete Input Packed (16-bit)	R/W	0x07
C	Control Register Packed (16-bit)	R/W	0x08
WX	Word Input (16-bit)	R/W	0x09
WY	Word Output (16-bit)	R/W	0x0A
TCP	Timer/Counter Preset	R/W	0x0E
TCC	Timer/Counter Current	R/W	0x0F
DSP	Drum Step Preset	R/W	0x10
DSC	Drum Step Current	R/W	0x11
DCP	Drum Count Preset	R/W	0x12

Prefix	Description	Access	Type
STW	System Status Word	Read only	0x1A
DCC	Drum Count Current	Read only	0x1B
ERR	Latest Error Code	Read/Reset	n/a

## Cable Information

G3 RS232 Port	CTI 2572-A RS-232 Port
2 - RX	3 - TX
3 - COMM	5 - COMM
4 - COMM	5 - COMM
5 - TX	2 - RX

## Revision History

01/06/10 – Created

11/10/10 – Corrected cable information.