

3-7-4-1-lpc-hardware-2019-3-18.odp

CTI One Corporation

Version: x0.4

Date: Sep 7, 2018

Project Lead: Harry Li, Ph.D.

Team members:

Company confidential

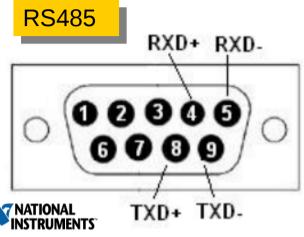


Mar-28-2019 MODBUS

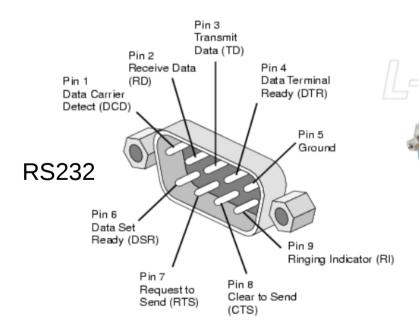


Mar-28-2019 Sierra Smart-Track-100

Compod



https://knowledge.ni.com/KnowledgeArticleDetails?id=kA00Z000000P9E8SAK&l=en-US

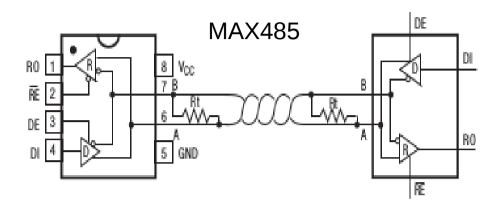




Note LPCNOD with DB9 Male connector for RS485 communication to Smart-track-100 compod DB9 Male connector, so we need DB9-DB9 female to female cable. See below:



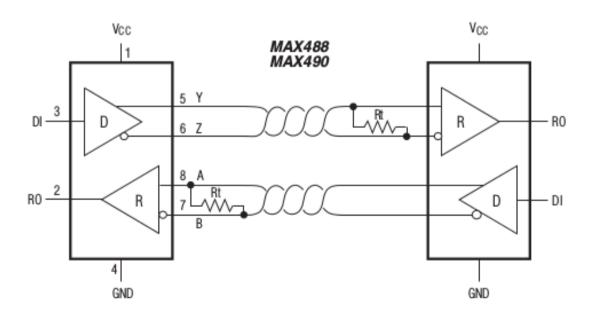
Mar-28-2019 RS485 Hardware



Need to verify Sierra Smart-Track-100 485 pin configuration

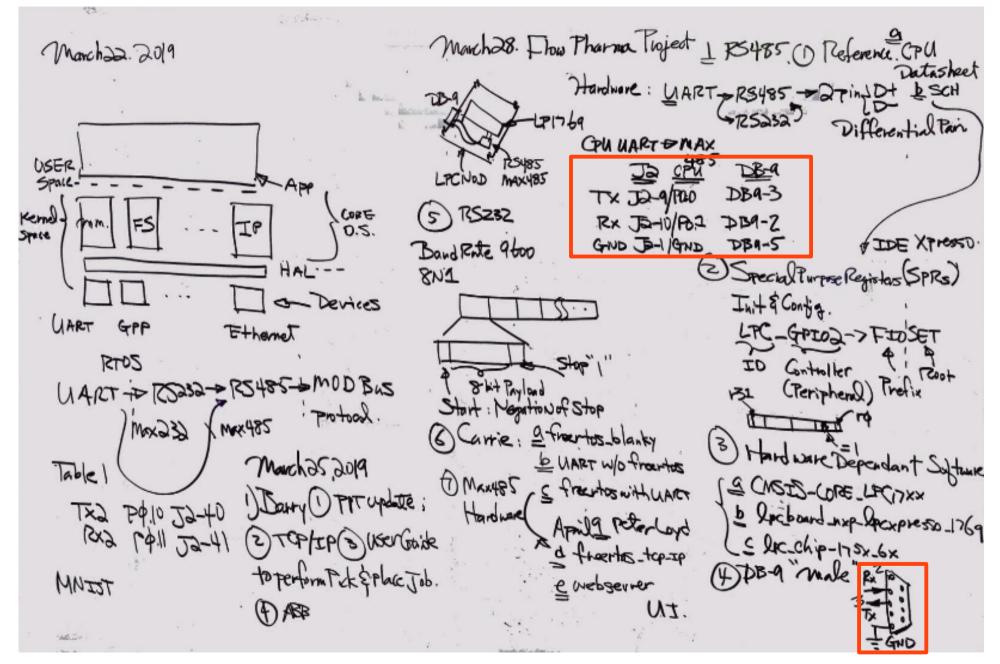
	RO	Receiver Output: If A > B by 200mV, RO will be high; If A < B by 200mV, RO will be low.
	RE	Receiver Output Enable. RO is enabled when \overline{RE} is low; RO is high impedance when \overline{RE} is high.
	DE	Driver Output Enable. The driver outputs, Y and Z, are enabled by bringing DE high. They are high impedance when DE is low. If the driver outputs are enabled, the parts function as line drivers. While they are high impedance, they function as line receivers if RE is low.
	DI	Driver Input. A low on DI forces output Y low and output Z high. Similarly, a high on DI forces output Y high and output Z low.

From MAX485 datasheet, pp. 7



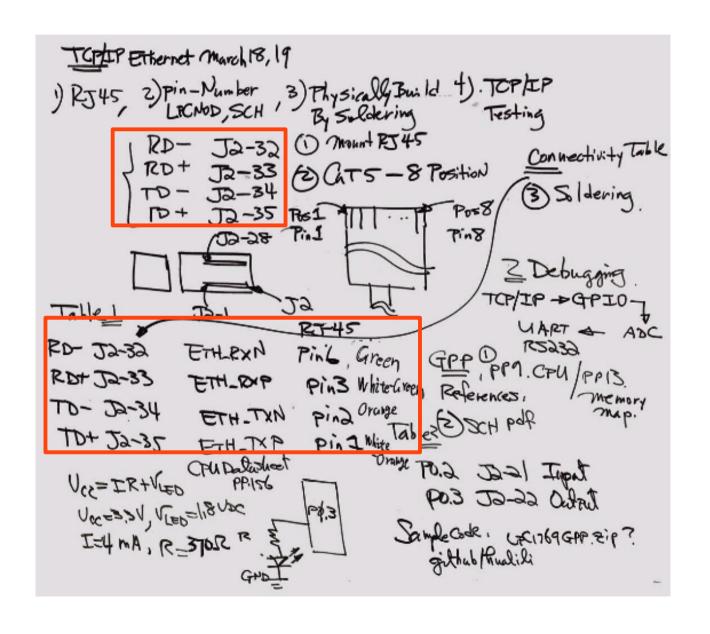


Mar-28-2019 RS232 Hardware



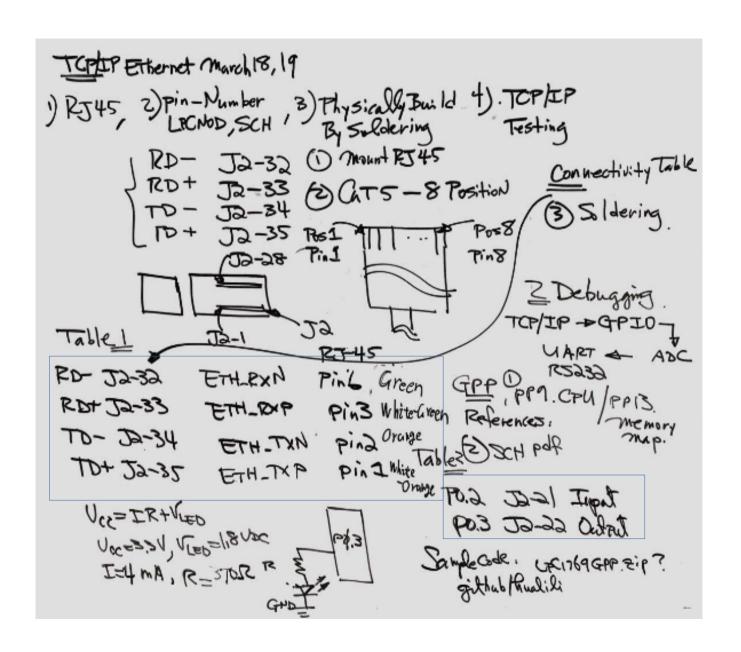


Mar-28-2019 Ethernet Hardware

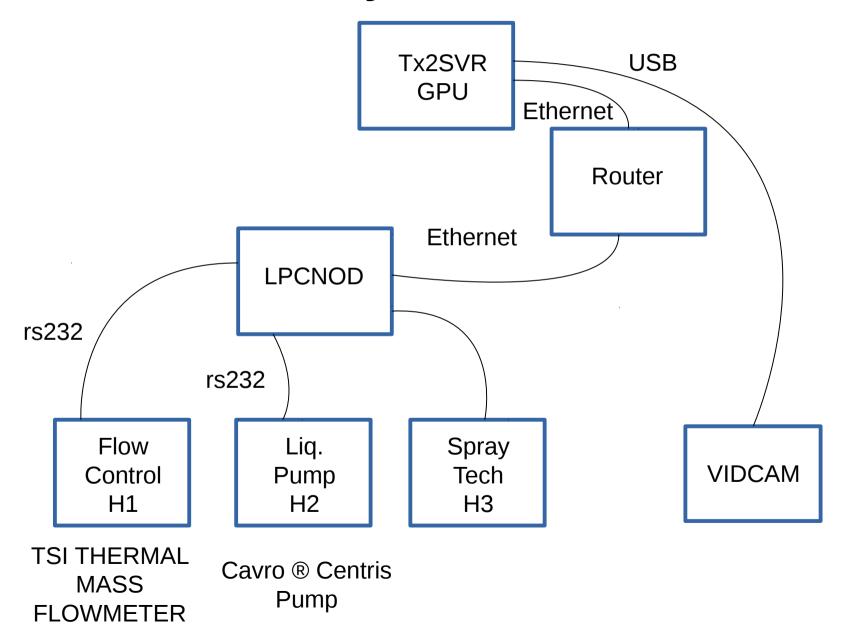




Mar-19-2019 TCP/IP Hardware

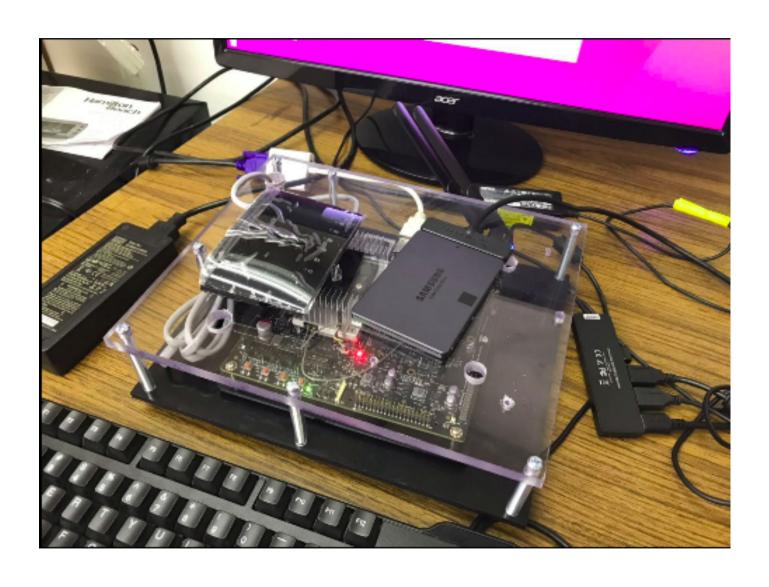


TX2SVR System Architecture





Mar-19-2019 Prototype Design





Mar-28-2019 Intern Orientation

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Bill of Meterial for Control Project and AGUDOUS.
1. Right Angle RJ 45 Connector 5 March 20,19

OZ. DB-9 Rylt Angle Connector Z (Mak)
13. FDIP (Packaging) Max 232 3
. 4. Right Angle Pur Connector and
                   Orientation Tracess.
     1º Paper Work for ID/Authorization
Verification; 2º NDA, 3º
To Homs/Load 5º Professionalism B
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