RS-422 ADS-B with GDL90 Converter

RS422 Output From Transponder

From Pin 12 on GTX345 or Pin 52 on NGT-9000

From Pin 11 on GTX345 or Pin 53 on NGT-9000

GDL90 Filter

To +14V

Pin 9 – RS422 A-

Pin 10 – RS422 A+

EFIS

Datalink RX

Pin 6 – GDL90 Out RS232

Pin 1 – +14V

Datalink GND

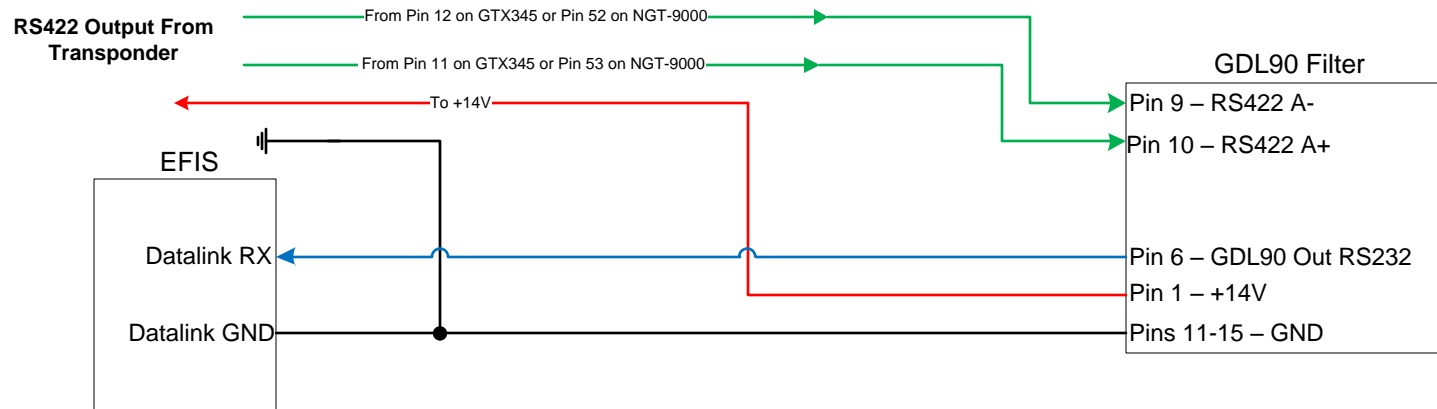Pins 11-15 – GND

Install Note: GTX345 RS422 output needs to be set to OPT LGCY ADSB to provide weather and traffic to the GDL90 box. The only baud rate available is 115,200.

NGT-9000 installs simply need to have TIS-B and FIS-B output enabled for RS422 port, and set proper baud. Default is 38,400 but 115,200 in is acceptable to GDL90 box which can down shift baud rates as necessary.