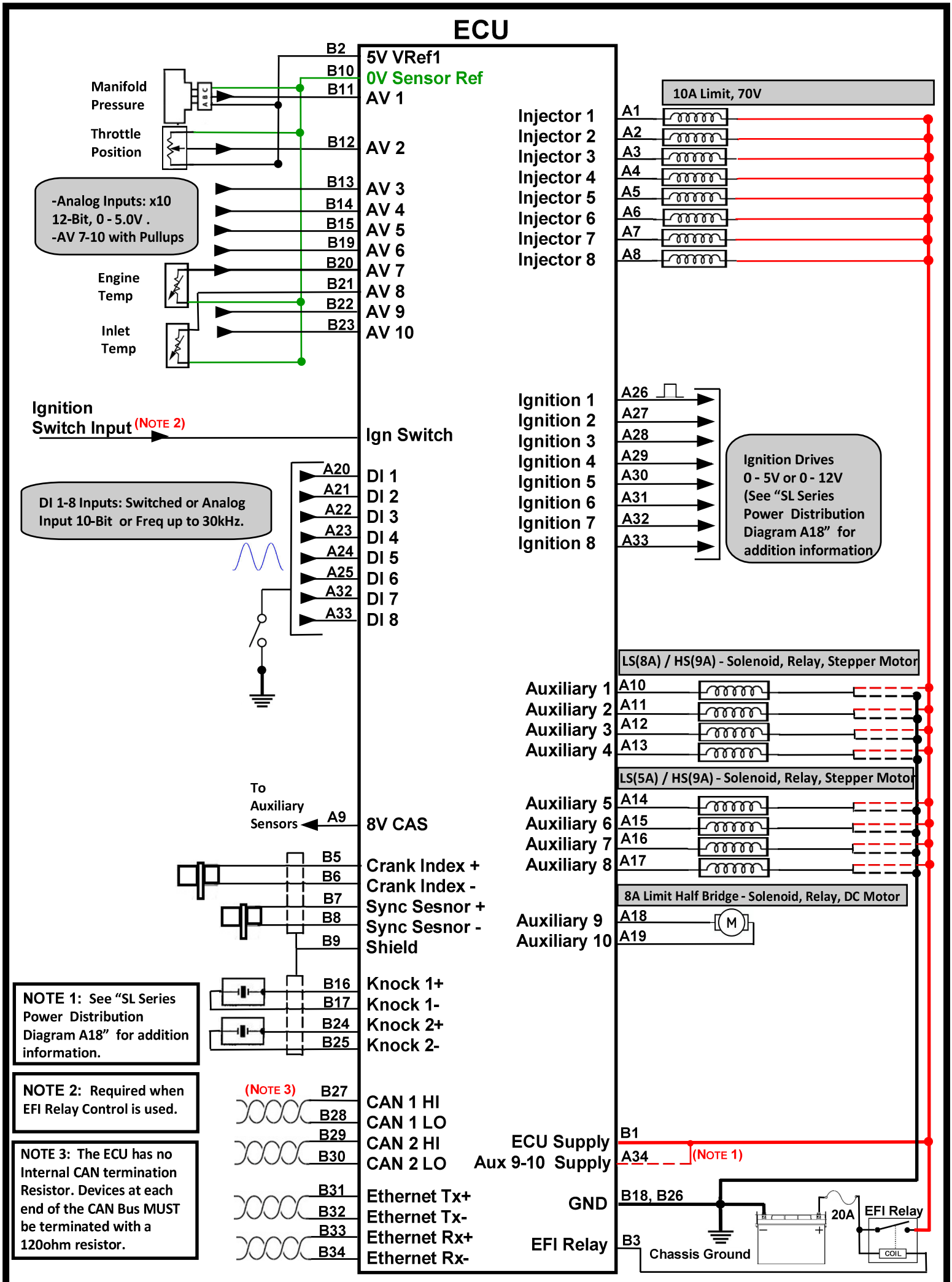
ECU
B2 5V VRef1
B10 0V Sensor Ref
B11 AV 1
B12 AV 2
B13 AV 3
B14 AV 4
B15 AV 5
B19 AV 6
B20 AV 7
B21 AV 8
B22 AV 9
B23 AV 10
Manifold Pressure
Throttle Position
Engine Temp
Inlet Temp
-Analog Inputs: x10 12-Bit, 0 - 5.0V .
-AV 7-10 with Pullups
10A Limit, 70V
Injector 1 A1
Injector 2 A2
Injector 3 A3
Injector 4 A4
Injector 5 A5
Injector 6 A6
Injector 7 A7
Injector 8 A8
Ignition Switch Input (NOTE 2)
Ign Switch
Ignition 1 A26
Ignition 2 A27
Ignition 3 A28
Ignition 4 A29
Ignition 5 A30
Ignition 6 A31
Ignition 7 A32
Ignition 8 A33
Ignition Drives 0 - 5V or 0 - 12V (See "SL Series Power Distribution Diagram A18" for addition information
DI 1-8 Inputs: Switched or Analog Input 10-Bit or Freq up to 30kHz.
A20 DI 1
A21 DI 2
A22 DI 3
A23 DI 4
A24 DI 5
A25 DI 6
A32 DI 7
A33 DI 8
LS(8A) / HS(9A) - Solenoid, Relay, Stepper Motor
Auxiliary 1 A10
Auxiliary 2 A11
Auxiliary 3 A12
Auxiliary 4 A13
LS(5A) / HS(9A) - Solenoid, Relay, Stepper Motor
Auxiliary 5 A14
Auxiliary 6 A15
Auxiliary 7 A16
Auxiliary 8 A17
8A Limit Half Bridge - Solenoid, Relay, DC Motor
Auxiliary 9 A18
Auxiliary 10 A19
M
To Auxiliary Sensors
A9 8V CAS
B5 Crank Index +
B6 Crank Index -
B7 Sync Sesnor +
B8 Sync Sesnor -
B9 Shield
B16 Knock 1+
B17 Knock 1-
B24 Knock 2+
B25 Knock 2-
(NOTE 3)
B27 CAN 1 HI
B28 CAN 1 LO
B29 CAN 2 HI
B30 CAN 2 LO
B31 Ethernet Tx+
B32 Ethernet Tx-
B33 Ethernet Rx+
B34 Ethernet Rx-
ECU Supply B1
Aux 9-10 Supply A34
(NOTE 1)
GND B18, B26
EFI Relay B3
Chassis Ground
20A
EFI Relay
COIL
NOTE 1: See "SL Series Power Distribution Diagram A18" for addition information.
NOTE 2: Required when EFI Relay Control is used.
NOTE 3: The ECU has no Internal CAN termination Resistor. Devices at each end of the CAN Bus MUST be terminated with a 120ohm resistor.
EMtron Australia
Title: SL Series ECU Wiring
Date: 15/4/2018
Revision: 1.1
Drawing Number: A21