CAN Mode Wiring

BR2

Ground	1
SwOut	2
Power	3
CAN-Lo	4
CAN-Hi	5

51, 56 or 61

ADL

0V	
8V	62
CAN-Lo	73 or 75
CAN-Hi	74 or 76

CAN Cable Connector

0V	71	1	0V
8V	72	3	8V
		4	CAN-Lo
		5	CAN-Hi

100R — CAN-Hi — CAN-Lo — 100R

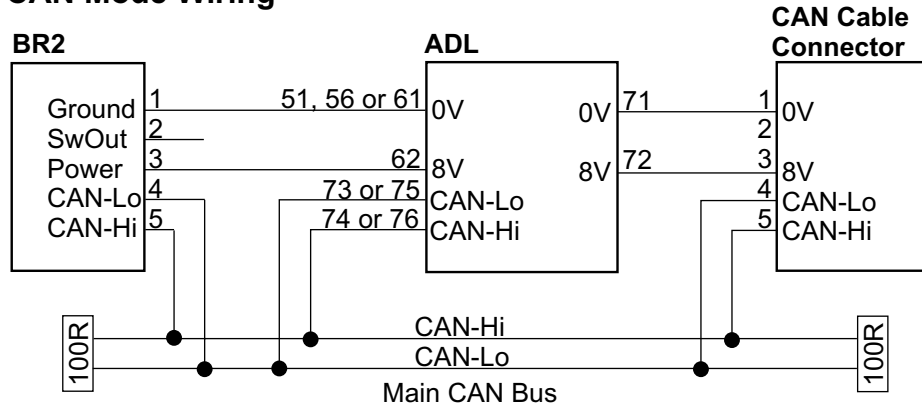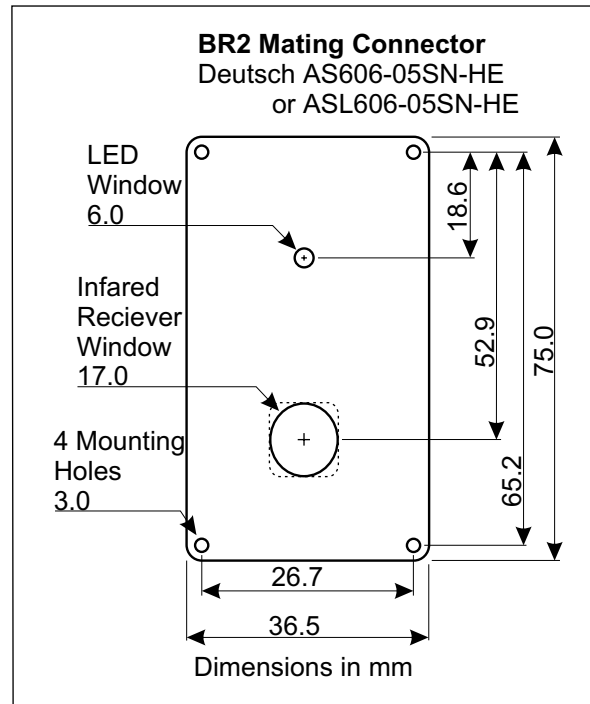Main CAN Bus

CAN Wiring Notes
The Wire between the 100 Ohm resistors should be twisted when using 22# Tefzel wire.
Can devices should not be more than 500mm away from the main CAN Bus.
The maximum length of the CAN Bus is 16 meters including the MoTeC CAN Cable (PC to CAN adaptor)
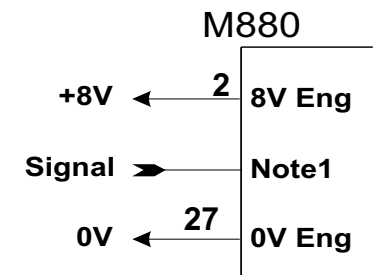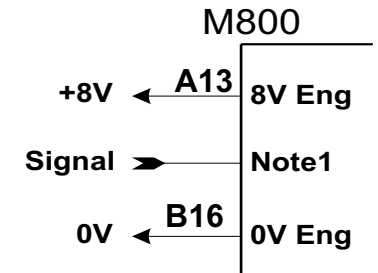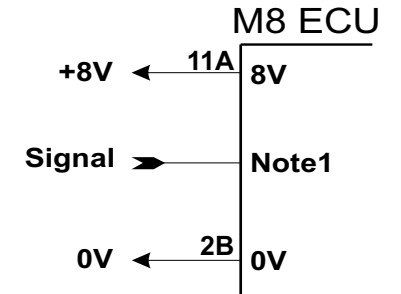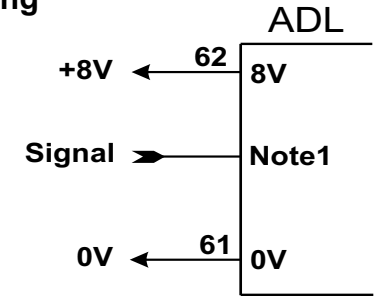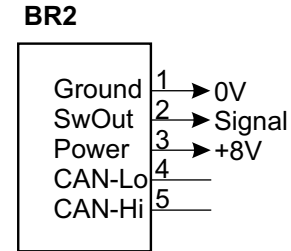
ADL Setup
The ADL must have hex version 2.10F in it to use the BR2 can template.

In dash Manager
1. Select "Inputs" then "Communications" from the menu
2. Click on "CAN 1" and then click on the "Select" button
3. Choose "BR2" from the list and then click on "OK" Button
4. Click on the "OK" button again
5. Select "Calculations" then "Lap Time and Number" from the menu
6. Set the "Beacon Type" value to BR2
7. Set the "Mode" and "ID" values to the TR Beacon Mode and ID values you are using

BR2 Mating Connector
Deutsch AS606-05SN-HE
or ASL606-05SN-HE

LED Window
6.0

Infared Reciever Window
17.0

4 Mounting Holes
3.0

18.6
52.9
75.0
65.2
26.7
36.5

Dimensions in mm

Switched Output Mode Wiring

BR2

Ground	1	0V
SwOut	2	Signal
Power	3	+8V
CAN-Lo	4	
CAN-Hi	5	

BR2 Setup
Use the Dash Manager software version 2.10F2 or higher to recognise the Mode and ID set in the TX Beacon that you are using. (A can cable and adaptor is required)

ADL Setup

Channel Assignments
Assign the Beacon Channel to a digital pin.Nnote 1)

Sensor Calibration
Set to "Low Volts = Active"

ECU Setup	
Function	17
Parameters	
Logic Polarity	0
Re-Arm Delay	4

Note 1
ADL Digital Pins 52, 53, 54, 55
M8 Digital Pins 3A, 4A,15A, 16A
M800 Digital Pins B8, B9, B10, B11
M880 Digital Pins 46, 45, 52, 53

ADL

+8V ←	62	8V
Signal →		Note1
0V ←	61	0V

M8 ECU

+8V ←	11A	8V
Signal →		Note1
0V ←	2B	0V

M800

+8V ←	A13	8V Eng
Signal →		Note1
0V ←	B16	0V Eng

M880

+8V ←	2	8V Eng
Signal →		Note1
0V ←	27	0V Eng

MoTeC	**Title**	***MoTeC* Beacon Receivers**				**Sheet No**	**Drawing No**
	Date 30/09/2002	**Drawn** ST	**App**	**Products** ADL, ECU		**1 of 2**	**A05**