CAN BEAGLEBONE

J5
J6

CAN VCU

J3
J4

OⓊR?

MOTOR L BEAGLEBONE
MOTOR R BEAGLEBONE
PROBE
MOTOR R VCU
MOTOR L VCU

H5
J9
J8
J2
J10
J11
H3

RX/TX Flip
JP7 JP9
BB RS232 L

RX/TX Flip
JP5 JP6
BB RS232 R

RX/TX Flip
JP13 JP14
VCU RS232 R

RX/TX Flip
JP15 JP16
VCU RS232 L

TERM
JP2
BB can0

BBCAN

J1
60
61
65
66
User GPIO

Bus Link
CAN

TERM
JP1
VCU can0

VCUCAN

J13
A
B
C
D
E
F
G
H
VCU Analog IN
3V3 5V0 GND

BB UART4
TP28 TP30
TP25 TP27
TP33 TP35

Bus Link
RTx
BB UART2
TP29 TP31
TP24 TP26
JP11 JP8 JP10 JP12
LRx RRx LTx RTx

RS232

VCU UART2
TP37 TP39
TP32 TP34

BB GPIO
51 50 49 48 47 46 45 44
PA23 PA30 PD18 PD19 PD17 PA28 PC14 PA18

VCU GPIO
TP48 TP47
J7

VCU UART1
BB->VCU
UART1-UART3

VCU VCU VCU
3V3 GND 5V0
TP1 TP2 TP3

BUTS
BBPWR BBRST
TP4 TP5

Designed: William Matthews
Checked: Andrew Chen
VCU_TEST Ver 1.0
19-02-2020

J16
BRAKE   23
EMSDC   27
AUDIO   26
VCU RST 112
GND   GND

J507
J505
J503
J500
H4

J504
J502
J501

P9
P8

H6

POWER

D2
R6