Raspberry Pi 3

USB

USB

ETHERNET

GPIO

A/V

Cabling
Terminal

CAMERA

40 39
38 37
36 35
34 33
32 31
30 29
28 27
26 25
24 23
22 21
20 19
18 17
16 15
14 13
12 11
10 9
8 7
6 5
4 3
2

/dev/ttyAMA0
RX
TX
GND

/dev/i2c-1
SCL
GND
SDA
GND
3V3

Victron BlueSolar MPPT 75-10

ve.
direct

+5V TX RX GND

Sensor Box

3V3
GND
SCL
SDA

GY-
BME280

3V3
GND

SDA

SCL

AE-BME280

AE-BME280

VDD GND CSB SDI
SDO SCK
J1 J2 J3

Itemref	Quantity: 1	Raspberry Pi 3 GPIO interface and wiring schema		Article No./Reference	
Designed by:		Checked by:	Approved:	Date: 03/24/2018	Scale 1:1
Materials: 2x Pin Socket 1x6 (20 Yen) 3x Pin Socket 1x4 (20 Yen) 1x Pin Socket 2x7 (30 Yen) 1x Pin Header 1x40 (50 Yen) 1x USB cable 130 cm (110 Yen) 1x flat ribbon cable 20 cm		1x JST-PH female plug (30 Yen) 1x Board Takachi TNF-25-35 (120 Yen) 1x Case Takachi TW-5-3-5 (150 Yen) 1x Board Picotec P4303 (80 Yen)	Notes:		
			Filename: raspi-interface-schematics-v11.dxf	Edition: v 1.1	Sheet: 1