

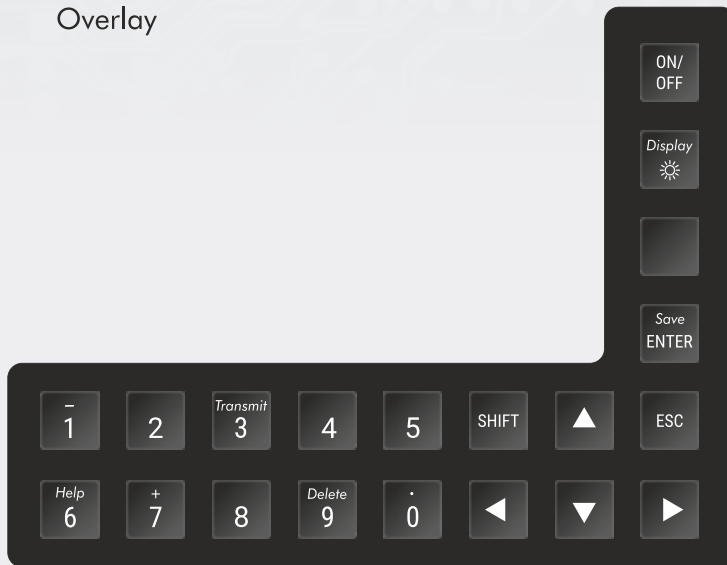
Keypad Illum 150 x 115.4mm - 20 Keys (Goniometer Keypad)

MPN. 22 - 5833

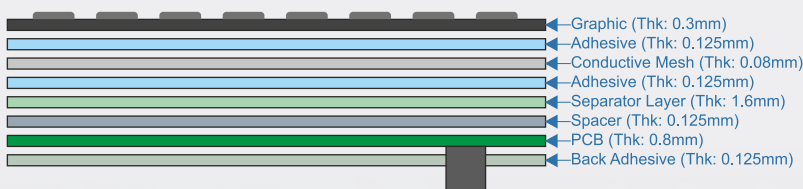
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Overlay

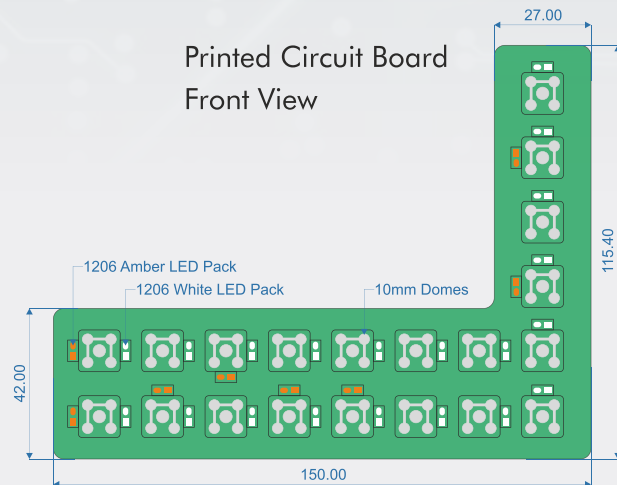


Construction

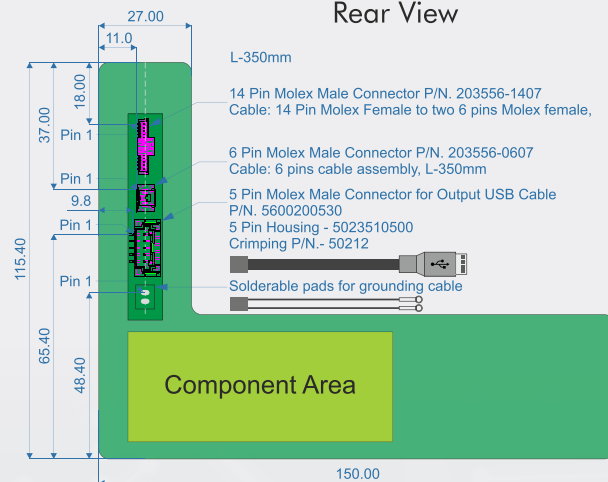


**Total Keypad Thickness: 3.3(+/-0.2)mm
(Including ink thickness)**

Printed Circuit Board
Front View



Printed Circuit Board
Rear View



Specifications:

► Features

1. Input Voltage Range : 5V to 15V For ON/OFF Switch & 5V for USB.
2. Current Rating : 250mA @12V DC
3. Operating Temperature : -20° to +70° Celsius.
4. Storage Temperature : -30° to +80° Celsius.
5. Compatible with Raspberry PI USB interface - USB HID
6. List all Interfaces available

J1: Input Connector : 14 Pin Molex P/N. 203556-1407

J2: Output Connector : 6 Pin Molex P/N. 2035560607

J3: USB Connector : 5 Pin Molex P/N.5600200530 with USB Cable

► Button Descriptions:

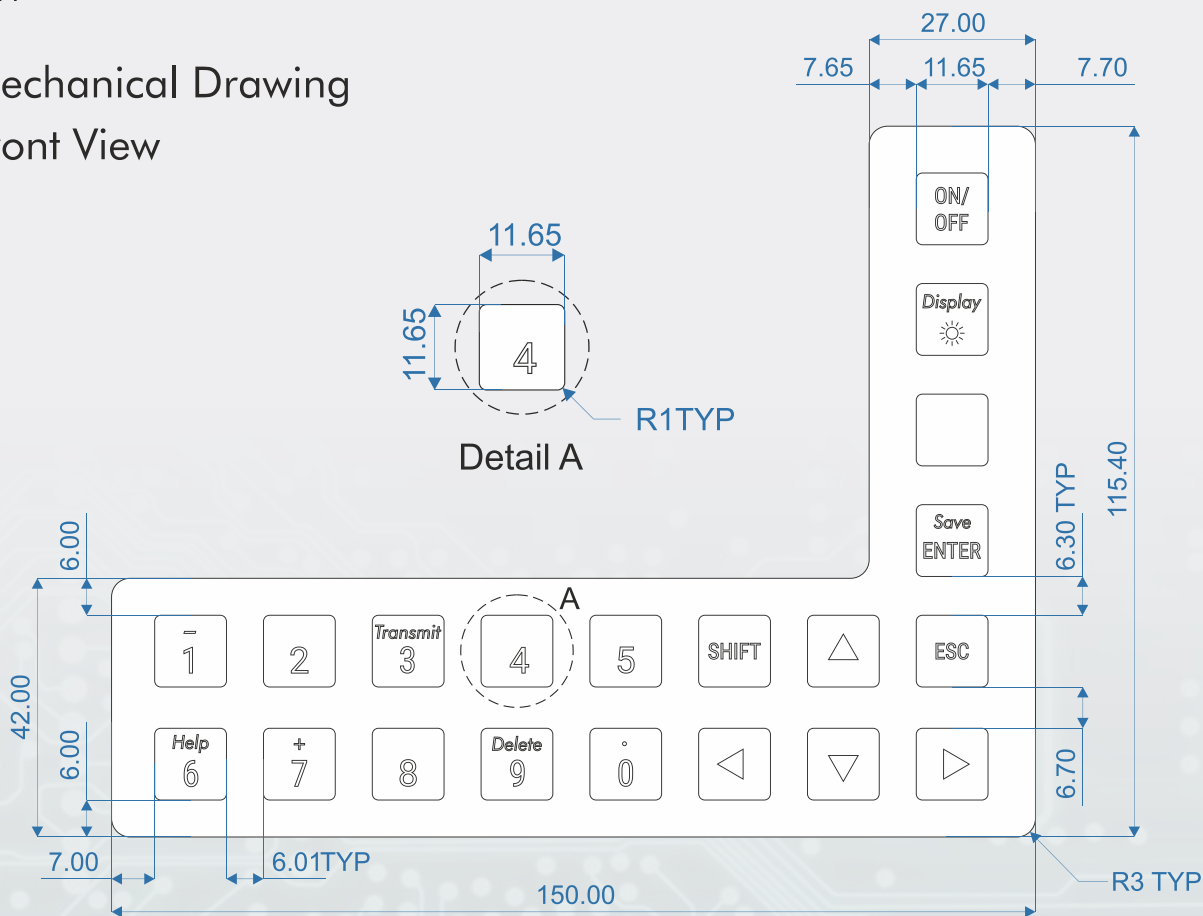
1. ON/OFF button function description : First press - Output Connector voltage Toggle to 12VDC
Second press - Output Connector Voltage Toggle to 0VDC
2. ASCII Code for Keys :

Single Function Keys :		Dual Function Keys :	
Keys	ASCII Code	Keys	ASCII Code
1	0x1E	-	0x01
2	0x1F	Transmit	0x02
3	0x20	Help	0x03
4	0x21	+	0x04
5	0x22	Delete	0x05
6	0x23	.	0x06
7	0x24	Save	0x07
8	0x25		
9	0x26		
0	0x27		
↑	0x52		
↓	0x51		
←	0x50		
→	0x4F		
ESC	0x29		
Enter	0x58		

► Type of Keypad: PC Compatible Illuminated Keypad

► Keypad Size: 150.0 x 115.4mm

Mechanical Drawing
Front View



► **Mating Connector Pin Description:**

*** J1 Connector Mating Cable Assy**

14 Pin Cable assembly, Cable Length = 350mm

14 Pins Molex Female

Housing P/N. 5013301400

Crimping Pins - 5011938000

PINS 1 TO 6

PINS 7 TO 12
13,14 is NC

6 Pin Molex Female

Housing P/N. 5013300600, Crimping Pin - 5011938000

6 Pin Molex Female

Housing P/N. 5013300600, Crimping Pin - 5011938000

MPN: 5013301400	14-PIN			MPN: 5013300600	6 PIN
PIN1	POW_12V_IN			PIN1	POW_12V_IN
PIN2	POW_12V_IN			PIN2	POW_12V_IN
PIN3	POW_12V_IN			PIN3	POW_12V_IN
PIN4	GND			PIN4	GND
PIN5	GND			PIN5	GND
PIN6	GND			PIN6	GND
MPN: 5013300600 6 PIN					
PIN7	BATT_12V_IN			PIN1	POW_12V_IN
PIN8	BATT_12V_IN			PIN2	POW_12V_IN
PIN9	BATT_12V_IN			PIN3	POW_12V_IN
PIN10	GND			PIN4	GND
PIN11	GND			PIN5	GND
PIN12	GND			PIN6	GND
PIN13	It has connected to ON/OFF switch and at other side dose not have any mating connector				
PIN14					

*** J2 Connector Mating Cable Assy**

6 Pin Cable assembly Cable Length = 350mm

MATING OF 6 PINS

MATING OF 6 PINS

MPN:5013300600	6 PIN
PIN1	VCC_12V_SWITCHED_OUT
PIN2	VCC_12V_SWITCHED_OUT
PIN3	VCC_12V_SWITCHED_OUT
PIN4	GND
PIN5	GND
PIN6	GND

MPN:5013300600	6 PIN
PIN1	VCC_12V_SWITCHED_OUT
PIN2	VCC_12V_SWITCHED_OUT
PIN3	VCC_12V_SWITCHED_OUT
PIN4	GND
PIN5	GND
PIN6	GND

*** J3 USB Mating Cable Assy**

5 Pin Cable assembly, Cable Length = 200mm



Standard USB

5 Pin Molex 2.54mm Pitch SMD

Mating Connector P/N. 5023510500

Crimping Pins - 502128000

*** J4 Grounding Cable Assy**

Cable Length = 180mm



Lugs



For Digital Ground

For Chassis Ground

Wires to be solder on PCB directly