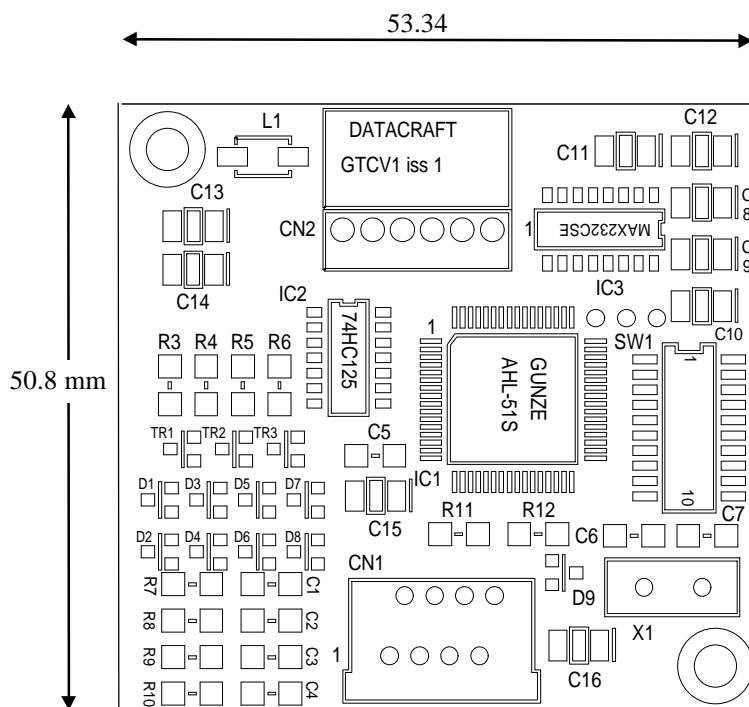


# GTCV1

The GTCV1 is an analog touch screen controller board using the Gunze AHL-51S device. The board is based on the Gunze AHL-51SBD analog touch panel interface, implementing the serial interface only. Please refer to the Gunze specification documents for the AHL-51S I.C. and the AHL-51SBD interface board, for more detail.



CN1 Touch Screen connection

PIN	ACTION
1	YL
2	YLref
3	YU
4	YUref
5	XR
6	XL
7	XLref
8	XRref

MOLEX 39-51-3083

CN2 Serial and Power connection

PIN	ACTION
1	RTS
2	CTS
3	TXD
4	RXD
5	GND
6	+5V IN

MOLEX 22-05-1062

SW1 configuration switch

SWITCH	ACTION
1	SET2
2	SET3
3	SET4
4	SET5
5	SET6
6	SET7
7	SET8
8	SET9
9	SET10
10	SET11

## Touch screen connection

The touch screen interface is based on the Gunze AHL-51SBD implementing the serial interface only. Please refer to the Gunze specification documents for the AHL-51S I.C. and the AHL-51SBD interface board, for more detail.

CN3 Touch screen connection  
Molex 39-51-3083

PIN	ACTION
1	YL
2	YLref
3	YU
4	YUref
5	XR
6	XL
7	XLref
8	XRref

CN2 Serial connection  
Molex 22-05-1062

PIN	ACTION
1	RTS
2	CTS
3	TXD
4	RXD
5	GND
6	+5V IN

SW1  
configuration switch

SWITCH	ACTION
1 ON	SET2
2 OFF	SET3
3 ON	SET4
4 OFF	SET5
5 OFF	SET6
6 OFF	SET7
7 OFF	SET8
8 OFF	SET9
9 ON	SET10
10 ON	SET11

## Configuration switch settings.

Set2	Set3	Comms mode
on	on	Continuous
off	on	Make
on	off	Make and Break
off	off	NA

Set4	Set5	Baud Rate
on	on	2400
off	on	4800
on	off	9600
off	off	19200

Set6	Set7	Parity
on	on	Even
off	on	Undefined
on	off	Odd
off	off	Undefined

Set8	Data Bits
on	7 bits
off	8 bits

Set9	Stop Bits
on	2
off	1

Ste10	Data Transmission
on	Permitted
off	Forbidden

Set11	Xtal
on	4.9152 Mhz
off	9.8304MHz