TWN4 FAMILY

PINOUT & CABLES

Connector CNA*	
Pin	Signal
1	USB/Supply Ground (black Wire)
2	USB Data+ (green Wire)
3	USB/Supply 5V (red Wire)
4	USB Data- (white Wire)
5	RX232 RxD (Input)
6	J2-1**
7	RX232 TxD (Output)
8	J2-2**

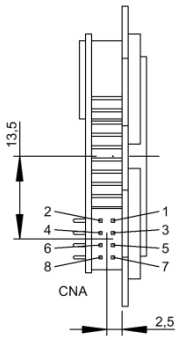
* Hirose DF11 series, 2mm pitch

** RS232 operation is achieved by either closing jumper J2 on the PCB or by connecting pin 6 and pin 8 of CNA.

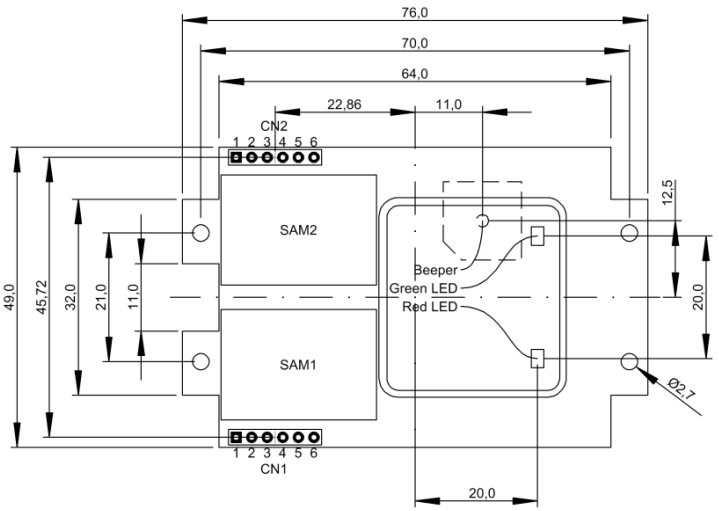
Connector CN1	
Pin	Signal
1	Supply Ground
2	5V Supply
3	Logic Input RxD (active low)
4	Logic Output TxD (active low)
5	GPIO2
6	GPIO3

Connector CN2	
Pin	Signal
1	Supply Ground
2	3.3V Supply
3	SCL (I²C)
4	SDA (I²C)
5	RESET (active low)
6	POWERDOWN (active low)

Bottom View

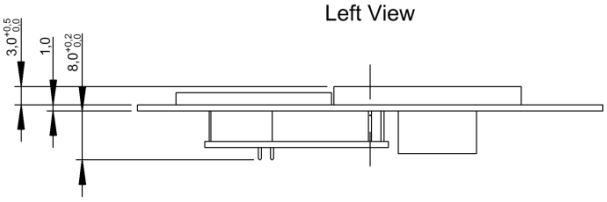


Top View



All measures in mm

Left View



CNA CONNECTOR

PART NAME	Conn Header 8 pos 2 mm Conn Socket 8 pos 2 mm Conn Socket 22 AWG Crimp
SUPPLIER PART NUMBER	Hirose DF11-8DP-2DS (24) Hirose DF11-8DS-2C Hirose DF11-22SC (22 AWG)

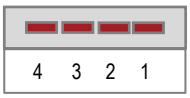
DIMENSIONS AND WEIGHTS

TWN4 MULTITECH PCB	76 x 49 x 14 mm / 3.0 x 1.9 x 0.6 inch	Approx. 20 g
TWN4 MULTITECH DESKTOP	88 x 56 x 19.3 mm / 3.5 x 2.2 x 0.76 inch	Approx. 123 g (incl. 2 m USB cable) Approx. 152 g (incl. 2 m RS232 cable) Approx. 257 g (incl. 2 m RS232 cable and power supply)

Elevator · EV Chargers · Access · Shop POS · Fitness Equipment · Ticket POS · PC Log-on · Document Management · Driver ID · Vending · Parking · Gaming · Locker Locks · Time Attendance · Industrial PC

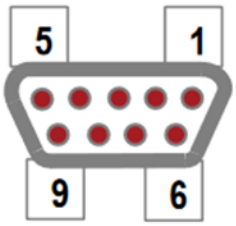
USB TYPE A CABLE

PIN	Signal
1	VCC +5V (red)
2	D- (white)
3	D+ (green)
4	Ground (black)

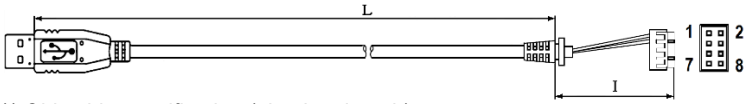


RS232 CABLE DSUB 9 DC FEMALE

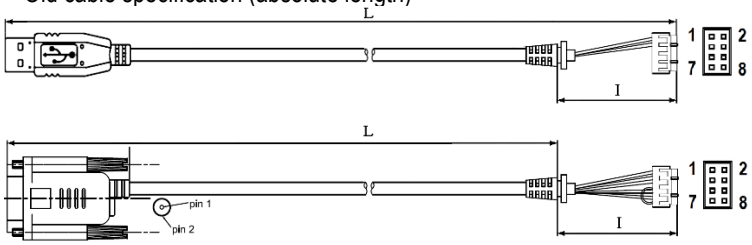
PIN	Signal
3	RxD from host (brown)
2	TxD to host (white)
5	Signal ground (yellow)
9	5V power supply from host (green)

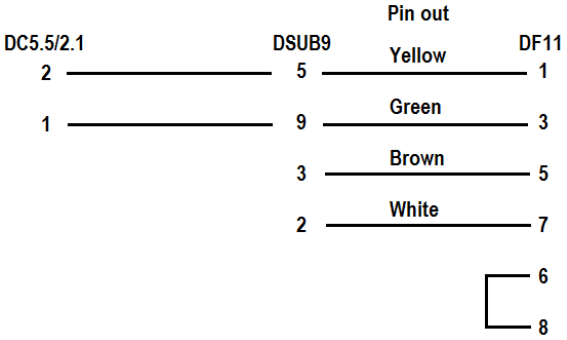


* New cable specification (wall to wall length)



** Old cable specification (absolute length)





- All drawing measures in mm and inch.
- Applies for all cables: l = 20; tolerance: ±5 mm or ±0.4 inch.
- Please refer to the corresponding asterisks (* or **) in the „Cables“ table and over the cable drawings for exact cable specifications.
- RS232 device needs external 5V power supply. This can be achieved either with an external power supply or via pin 9 of DSUB9 connector. The USB device is powered via USB connector.

ELATEC 5 V POWER SUPPLY

ORDER CODE	Suitable for country	Image
PWA-US3	Power supply (US)	
PWA-EU3	Power supply (EU)	
PWA-UK3	Power supply (UK)	
PWA-AUS3	Power supply (AUS)	
PWA-JP3	Power supply (JP)	

CABLES

ORDER CODE	Type	(L)ength mm (tolerance)	(L)ength inch (tolerance)
CAB-B2*	Type A USB	2000 (+40/-0)	78.7 (+1.6/-0)
CAB-B3*	Type A USB	120 (+10/-5)	4.72 (+0.4/-0.2)
CAB-B4*	Type A USB	450 (+10/-0)	17.72 (+0.4/-0)
CAB-B7**	Type A USB	1200 (+70/-0)	47.2 (+2.8/-0)
CAB-M0*	Mini USB female	120 (+10/-10)	4.72 (+0.4/-0.4)
CAB-M1**	Mini USB	120 (+10/-10)	4.72 (+0.4/-0.4)
CAB-M2**	Mini USB	250 (+10/-10)	9.8 (+0.4/-0.4)
CAB-M4*	Mini USB	400 (+10/-0)	15.75 (+0.4/-0)
CAB-R2	RS-232	2000 (+70/-0)	78.74 (+2.76/-0)

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