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BlueT

Differences from Blue5

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1. Scope

The scope of this document is to describe the differences between the Tactel Blue5 and the BlueT from a safety point of view.

2. General Description

The BlueT is build on the Blue5 and all essential parts is the same. The software is exactly the same. The hardware is the same except for the components on the Blue5 that handles the replicated port. These components has been taken away from the BlueT, for a more detailed description see Chapter3.

There is a new design on the plastic cover compared with the Blue5, but it is the same plastic material and the same label (except for the name difference).

The BlueT also has a different connector compared with the Blue5. This is in order to fit the Palm m500/m505.

3. Component differences

The differences in the hardware is that there are some components that appears on the Blue5, that do not appears on the BlueT. These components are listed in table 3.1.

These components exists on the Blue5, but not on the BlueT

Reference	Value	Qty	Manufacturer	Description	COMMENT
C16	100n	1		SMD Capacitor	
C18	100n	1		SMD Capacitor	
C19	100n	1		SMD Capacitor	
C20	100n	1		SMD Capacitor	
C21	100n	1		SMD Capacitor	
C33	100n	1		SMD Capacitor	
C34	100n	1		SMD Capacitor	
C35	100n	1		SMD Capacitor	
C38	100n	1		SMD Capacitor	hot-sync circuit
C41	100n	1		SMD Capacitor	
J1	10-pin	1	Tactel	Con. pads on PCB	
D3	BAS 16	1	Philips	SMD switch diode	hot-sync circuit
U4	Sipex SP3223ECY	1	Maxim	Rs-232 Transceiver	
U14	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch	Little wider footprint
U15	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch	Little wider footprint
U16	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch	Little wider footprint
U17	NC7SB3157P6X	1	Fairchild	2:1 Multiplex/Demult Bus Switch	Little wider footprint
U19	NC7SZ32P5	1	Fairchild	Single gate OR	
U10	NC7S00P5	1	Fairchild	Single gate NAND	Alt: Philips 74AHC1G00
U6	NC7SZ04P5	1	Fairchild	Single gate INV	
R1	33R	1		SMD resistor 0402 1%	hot-sync circuit
R2	100k	1		SMD resistor 0402 1%	hot-sync circuit
R14	33R	1		SMD resistor 0402 1%	hot-sync circuit

Table 3.1 Components that appears on the Blue5, but not on the BlueT.