Type: Board
Manufacturer: FUJITSU TECHNOLOGY SOLUTIONS GmbH
Part/model/cat. no.: S26361-D2912
(The part number may be followed by any combination of letters and numbers.)

		Result
PWB material *) UL-recognized and min. UL 94V-1		**P**
Connector (housing) material UL-recognized and min. UL 94V-2		**P**
Battery		**P**
- Type (Lithium / Li-ion-pack etc.):	Lithium	
- Mfr.'s part/model/cat. no.:	*)	
- Manufacturer:	*)	
- UL-recognized:	*)	
- Protection (-circuitry) of the battery:	1kΩ resistor and diode	
Power externally supplied via the PCB-board		**P**
- Protection type:	PTC, Fuse	
- Mfr.'s part/model/cat. no.:	*)	
- Manufacturer:	*)	
- UL-recognized:	*)	
Laser components		**-**
- Mfr.'s part/model/cat. no.:	-	
- Manufacturer:	-	
- Certificate according to IEC 60825-1		

Supplementary information

*) refer to attached components list

Test case verdicts	
Test case does not apply to the test object :	NA
Test item does meet the requirement ..... :	P(ass)
Test item does not meet the requirement .. :	F(ail)

Tested by:	Herr Andreas Kripahle	17 February 2010

Components, can be used alternative

Printed wiring boards

Vendor	Vendor reference	Rated	UL File No.
CMK Global Brands MFR Ltd	DS or ML	UL94V-0	E211079
Topsearch Printed Circuits	TS-M-8V03	UL94V-0	E96016
Topsearch Printed Circuits	TS-M-8V01C	UL94V-0	E96016
Elec & Eltek Co Ltd	E3330BM	UL94V-0	E54926
Elec & Eltek Co Ltd	E3330GM	UL94V-0	E54926
Kalex Circuit Board Ltd	K688	UL94V-0	E81159
Bestmult Industry Co Ltd	101	UL94V-0	E97362
Maxedge	MEC-2	UL94V-0	E179889
Maxedge	MEC-6	UL94V-0	E179889
Kubatronik	U1	UL94V-0	E111380
Dynamic Electronics	NM0-V0	UL94V-0	E150630
Merix Corp	M1	UL94V-0	E161964
GUL Tech China	GTW 12	UL94V-0	E244417
KCE Thailand	KCE MV-1	UL94V-0	E88599
Paltech China	PAL-B	UL94V-0	E197709
Unitech Taiwan	-	UL94V-0	E97564
Hannstar	MV-4	UL94V-0	E89382
Hannstar	MV-6	UL94V-0	E89382
Foxconn	ML1	UL94V-0	E253117
CHUAN YI COMPUTER (P&Q)	CM-1	UL94V-0	E162264
Boardtek Computer	***BTC-202***	***UL94V-0***	***E220370***

Lithium batteries

Vendor	Vendor reference	Rated *)	UL File No.
Hitachi Maxell	CR2032	10 mA	MH12568
Renata	CR2032	25 mA	MH14002
Matsushita (Panasonic)	CR2032	5 mA	MH12210
Toshiba	CR2032	10 mA	MH12828
Varta	CR2032	5 mA	MH13654
Sony	CR2032	10 mA	MH12566
Sanyo	CR2032	10 mA	MH12383
Mitsubishi	CR2032	10 mA	MH15370
KTS (VIC-DAWN)	CR2032	10 mA	MH20550
FDK Energy	CR2032	10 mA	MH13421
Newsun	CR2032	10 mA	MH25881
FDK Energy	CR2450	5 mA	MH13421
Hitachi Maxell	CR2450	15 mA	MH12568

*) max. abnormal charging current

Protective devices

PTC (Polyswitch)

Vendor	Vendor reference	Volts	Rated (I_{hold} / I_{Trip})	UL File No.
Tyco (Raychem)	miniSMDC050	24	0.5A / 1.0A	E74889
Tyco (Raychem)	miniSMDC075	13.2	0.75A / 1.5A	E74889
Tyco (Raychem)	miniSMDC110	8	1.1A / 2.2A	E74889
Tyco (Raychem)	miniSMDC110/16	16	1.1A / 2.2A	E74889
Tyco (Raychem)	miniSMDC150	6 / 12	2.0A / 4.0A	E74889
Tyco (Raychem)	miniSMDC200	8	2.0A / 4.0A	E74889
Tyco (Raychem)	SMD125	15	1.25A / 2.5A	E74889
Tyco (Raychem)	microSMD075	6	0.75A / 1.5A	E74889
Tyco (Raychem)	microSMD150	6	1.5A / 3.0A	E74889
Tyco (Raychem)	nanoSMDC075F	6	0.75A / 1.5A	E74889
Bourns	MF-USMF150(-2)	6	1.5A / 3.0A	E174545
Bourns	MF-MSMD150-2	15	1.5A / 3.0A	E174545
Bourns	MF-MSMF200(-2)	8	2.0A / 4.0A	E174545
Bourns	MF-NSMF075	6	0.75A / 1.5A	E174545
Littelfuse	1812L150PR	6	1.5A / 3.0A	E183209
Polytronics	SMD1206P150TS	6	1.5A / 3.0A	E201431

Integrated Circuits

Vendor	Vendor reference	Volts	Rated	UL File No.
Raychem	RYC8220-4M	-0.5-6.0	0.5A	E211484
Raychem	RYC8220-2M	-0.5-6.0	0.5A	E211484
National Semiconductor	LM3526M-L	-0.5-6.0	0.5A	E205202
Texas Instruments	TPS2042	2.7-5.5	0.5A	E169910
Maxim	MAX1558H	2.7-5.5	1.2A	E211395

Output of accessible connectors

TABLE: Overload of operator accessible connectors

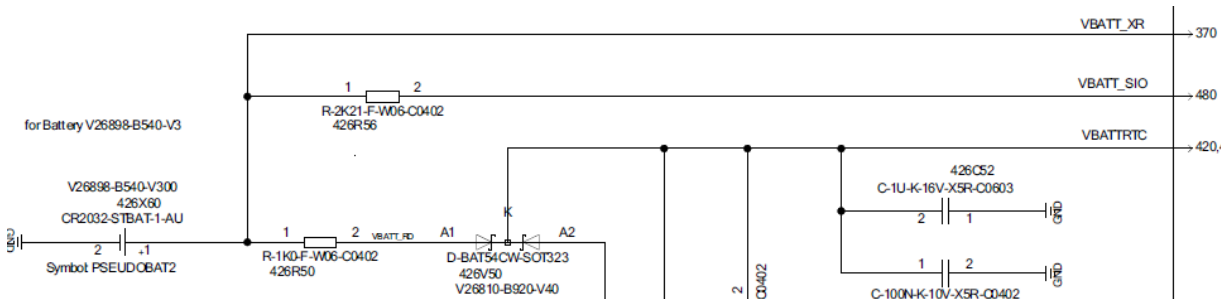
Connector	Pin #	open circuit voltage (V)	max. available Current (mA)	Test Time (h)	Comments
USB 0, 1, 2, 3	1	5.1	3800	-	protected with PTC
USB 4, 5, 6, 7	1	5.1	3700	-	protected with PTC
USB 8, 9	1	5.1	3600	-	protected with PTC
DVI A	14	5.1	1400	-	protected with PTC
Mouse	4	5.1	1400	-	protected with PTC
Keyboard	4	5.1	1400	-	protected with PTC

supplementary information:

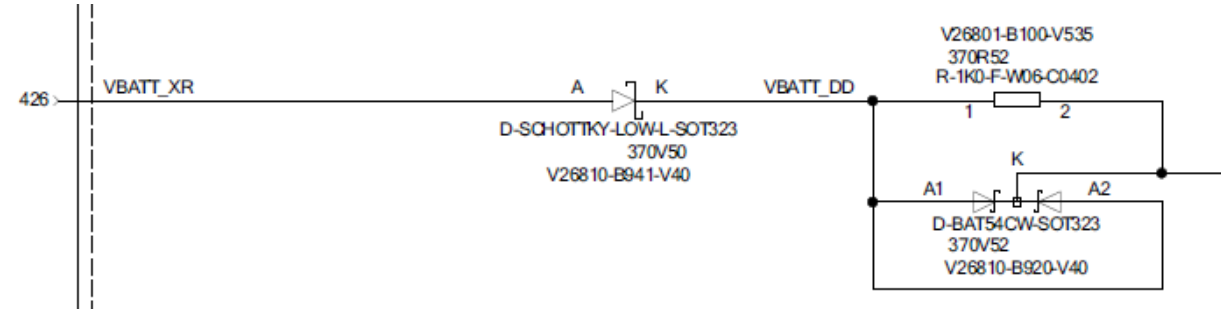
For standard ports (e.g. VGA, USB, …) only pins with VCC were be tested. All other pins of such standard connector were data pins and therefore no tests are necessary. These pins fulfills also the UL-requirements (Application Guideline 5.3.6)

Schematics

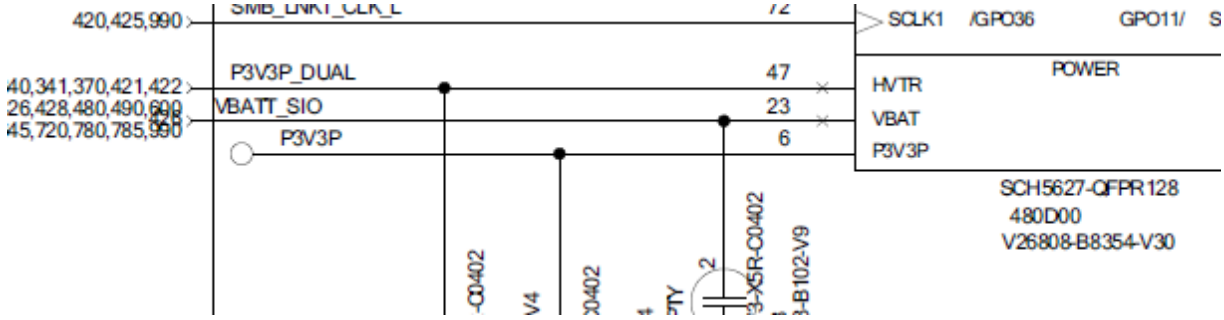
Lithium battery protection



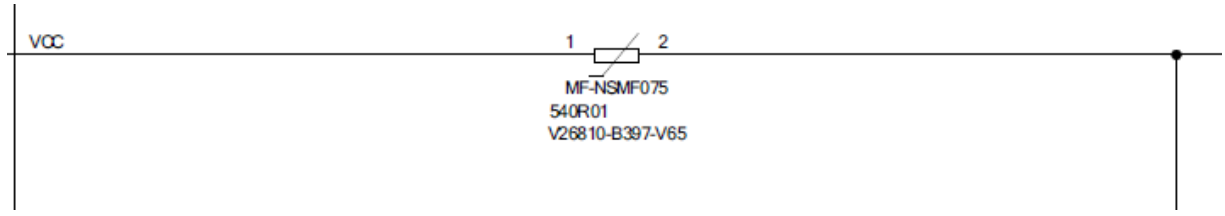
VBATT_XR



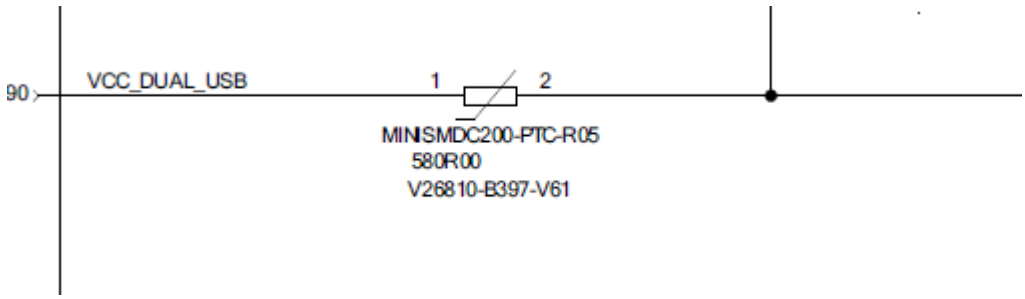
VBATT_SIO



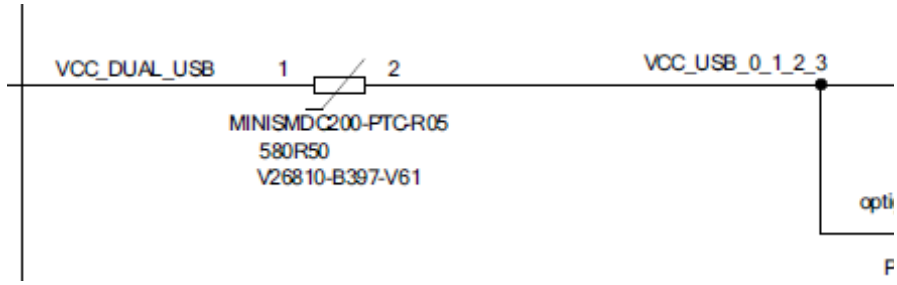
PTC for PS2 Mouse, Keyboard and VGA (DVI)



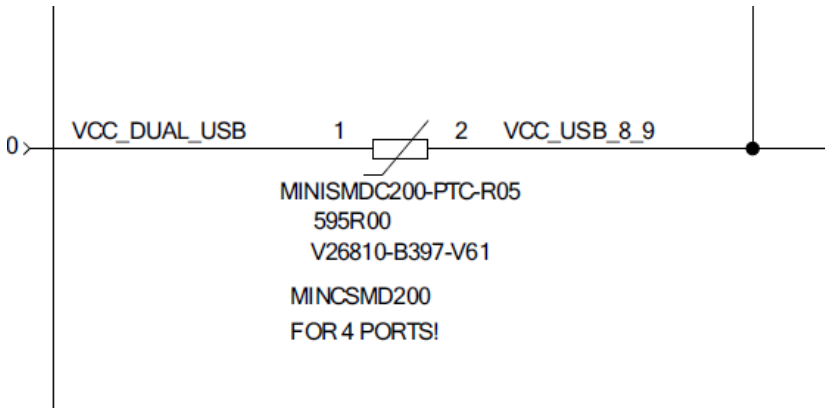
PTC for USB Port 4, 5, 6, 7



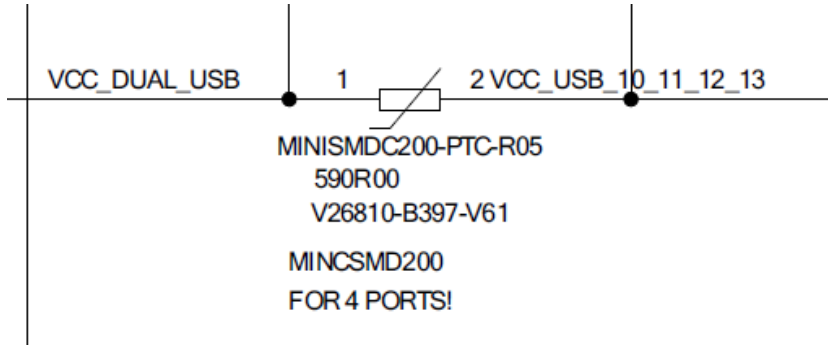
PTC for USB Port 0, 1, 2, 3



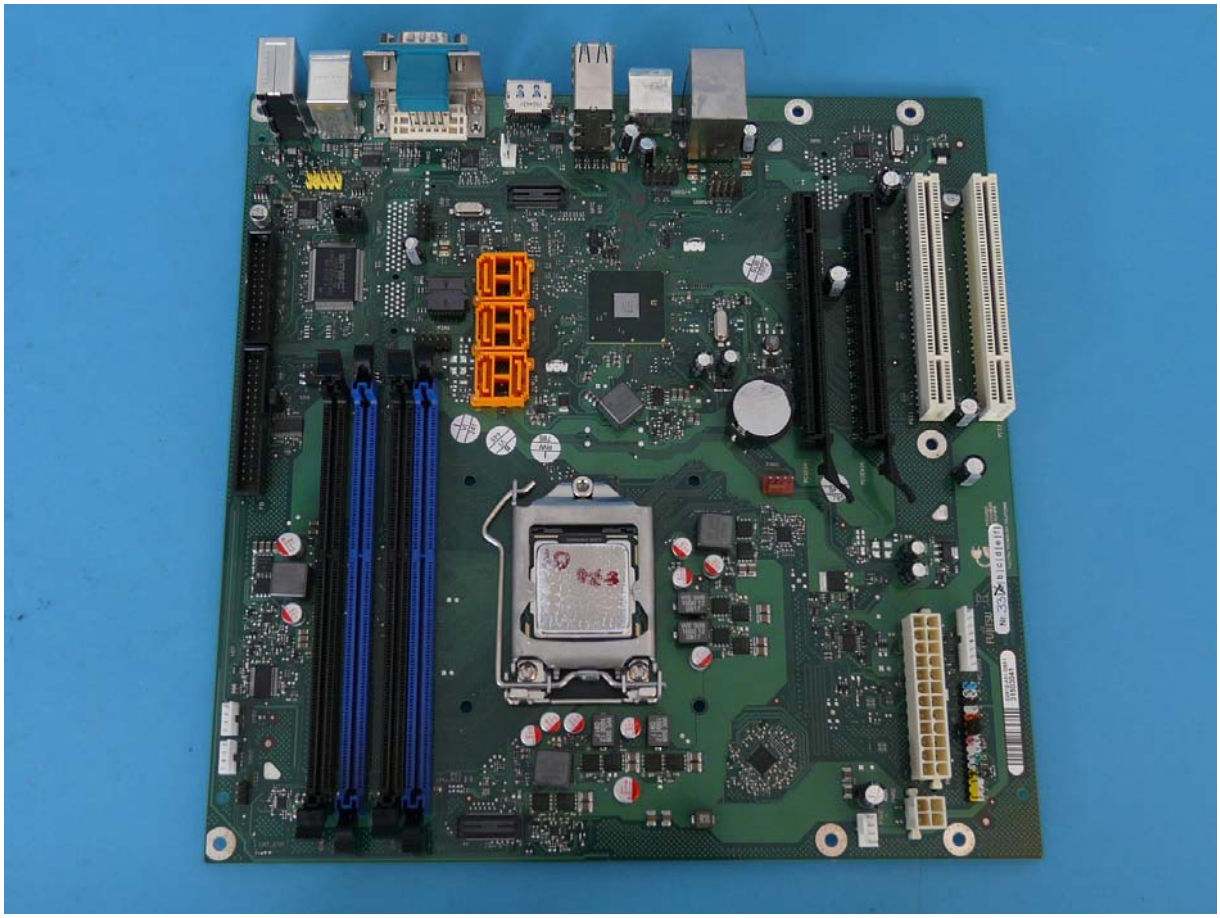
PTC for USB Port 8, 9 (interne Ports -> Front USB)

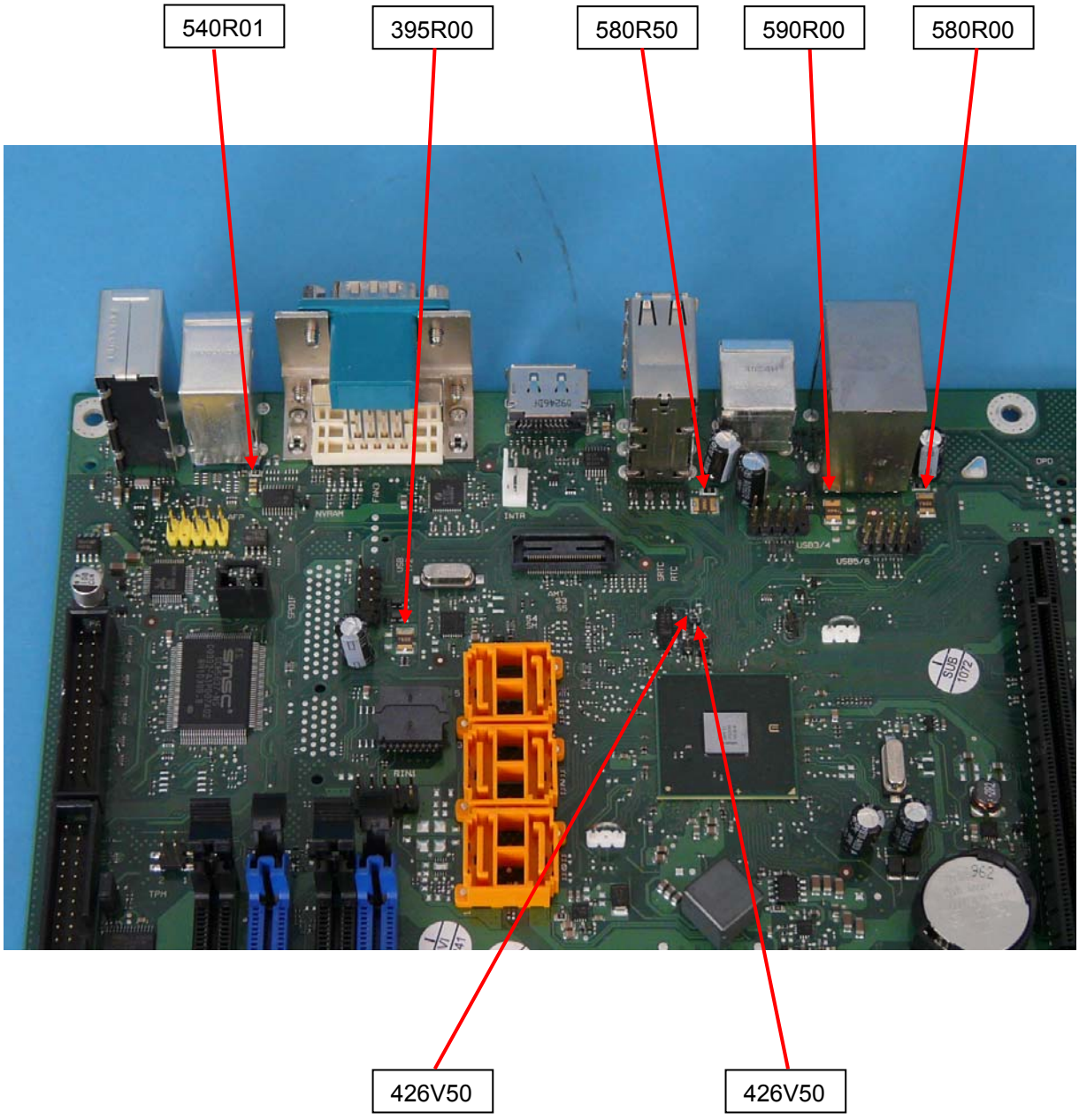


PTC for USB Port 10, 11, 12 13 (interne Ports)



Pictures




540R01
395R00
580R50
590R00
580R00
426V50
426V50