

Partlist MiCard_HiTag_V2					
Part	Count	Value	Description	Package	Comments
C1	8	100nF	Chip Kondens./25Volt	C0603K	
C2	2	10uF_10V_STD	TANTAL/Chip Kondens./10Volt/Std.	A/3216-18	AVX TAJA106*010#3R5 Achtung case A auf case B Pads
C3		100nF	Chip Kondens./25Volt	C0603K	
C4	1	4,7uF/16 Volt	TANTAL /Chip Kondens. /16 Volt /Std.	B/3528-21R	AVX TAJB475*016#3R5
C5		100nF	Chip Kondens./25Volt	C0603K	
C6		100nF	Chip Kondens./25Volt	C0603K	
C7		100nF	Chip Kondens./25Volt	C0603K	
C8	2	100uF_10Volt_Std	TANTAL/Chip Kondens./10Volt/Std.	B/3528-21R	AVX TAJB107M010#1R4
C9	2	22pF	Chip Kondens./COG	C0603K	
C10		22pF	Chip Kondens./COG	C0603K	
C11		100nF	Chip Kondens./25Volt	C0603K	
C14	2	33pF	Chip Kondens./COG	C0603K	
C15	3	10nF	Chip Kondens./25Volt	C0603K	
C16		33pF	Chip Kondens./COG	C0603K	
C17		100nF	Chip Kondens./25Volt	C0603K	
C18	1	1uF/35V Std.	TANTAL/Chip Kondens./35Volt/Std.	A/3216-18R	AVX TAJA105*035#7R5
C19		100uF_10Volt_Std	TANTAL/Chip Kondens./10Volt/Std.	B/3528-21R	AVX TAJB107M010#1R4
C38		10nF	Chip Kondens./25Volt	C0603K	
C39		10nF	Chip Kondens./25Volt	C0603K	
C66		10uF_10V_STD	TANTAL/Chip Kondens./10Volt/Std.	A/3216-18	AVX TAJA106*010#3R5
C67		100nF	Chip Kondens./25Volt	C0603K	
D1	2	BAS21	BAS21 General purpose high voltage diode	SOT23	
D2		BAS21	BAS21 General purpose high voltage diode	SOT23	
FE1	1	Ferrit		1206	resistor 1206 0R !!
FE2	1	Ferrit	Ferrit 1800@100MHz z.B. Würth	C0603K	Würth 742792097
IC1	1	TPS2141PWP	TPS2141PWP USB Power Distribution switches 5V &	HTSSOP-14	Texas Instruments
IC2	1	TUSB3410	TUSB3410(I)VF Serial Port to USB 8051 Controller	LQFP32	TUSB3410(I)VF
IC3	1	24AA128ST	24AA128ST serial 128kbit I2C EEPROM	TSSOP8 wide	z.B.Microchip
IC4	1	PCA9553	I2C 4 LED Driver with blink	TSSOP8	
IC5	1	ZC-Modul	Zeitcontrol Tag Tracer Multi Modul	ZC-Modul	Zeitcontrol
IC12	1	TLC555CDXX	Low power single universal Timer	SO8	Texas Instruments
L1	1	67R at 100 MHz 0.4A	WE-CNSW_0805 Stromkompensierte Drossel	WE-CNSW_0805	Würth 744231061
L2	1	370R at 100MHz 0,32A	WE-CNSW_0805 Stromkompensierte Drossel	WE-CNSW_0805	Würth 744231371

L3	1	6.8uH 0,42 A	WEW-LQ 6,8uH / 0,42A 744032006	1210	Würth 744032006
L7	2	Ferrit	Ferrit 1800@100MHz z.B. Würth	C0603K	Würth 742792097
L8		Ferrit	Ferrit 1800@100MHz z.B. Würth	C0603K	Würth 742792097
LED1	1	Led green	Osram LGT-676-xxx	PLCC2	
LED2	1	Led yellow	Osram LYT-676-xxx	PLCC2	
LED3	1	Led red	Osram LST-676-xxx	PLCC2	
NI1	1	EMV Filter	NFM21CC223R1H3	EMC_0805	Murata
Q1	1	Quarz 12MHz	JXS53/12MHz Jauch SMD Quarz	JXS53	Jauch Q12,0-JXS53-12-30/30-LF
R1	1	470K	Chip Widerstand +-1% 0.1W	R0603	
R2	1	180K	Chip Widerstand +-1% 0.1W	R0603	
R3	1	91K	Chip Widerstand +-1% 0.1W	R0603	
R4	2	33R	Chip Widerstand +-1% 0.1W	R0603	
R5	1	1K5	Chip Widerstand +-1% 0.1W	R0603	
R6	1	100K	Chip Widerstand +-1% 0.1W	R0603	
R7		33R	Chip Widerstand +-1% 0.1W	R0603	
R8	4	10K	Chip Widerstand +-1% 0.1W	R0603	
R9		10K	Chip Widerstand +-1% 0.1W	R0603	
R10	1	2K2	Chip Widerstand +-1% 0.1W	R0603	
R11		DNP (1M)	Chip Widerstand +-1% 0.1W	R0603	
R12	5	4K7	Chip Widerstand +-1% 0.1W	R0603	
R13		4K7	Chip Widerstand +-1% 0.1W	R0603	
R14	1	3K3	Chip Widerstand +-1% 0.1W	R0603	
R15		10K	Chip Widerstand +-1% 0.1W	R0603	
R16	2	33K	Chip Widerstand +-1% 0.1W	R0603	
R17	1	15K	Chip Widerstand +-1% 0.1W	R0603	
R18	1	100R	Chip Widerstand +-1% 0.1W	R0603	
R19	1	150R	Chip Widerstand +-1% 0.1W	R0603	
R20	1	220R	Chip Widerstand +-1% 0.1W	R0603	
R21		1R8	Chip Widerstand +-1% 0.125W	R0805	Achtung Bauform
R31		10K	Chip Widerstand +-1% 0.1W	R0603	
R56	1	1K2	Chip Widerstand +-1% 0.1W	R0603	
R57		33K	Chip Widerstand +-1% 0.1W	R0603	
R59	1	0R	Chip Widerstand +-1% 0.1W	R0603	
R60		4K7	Chip Widerstand +-1% 0.1W	R0603	
R61		4K7	Chip Widerstand +-1% 0.1W	R0603	
R62		4K7	Chip Widerstand +-1% 0.1W	R0603	
SG1	1	F/SMD8585JS	F/SMD8585 JS SMD Piepser passiv		Digisound
T3	1	BC846BWT1G	BC846BW NPN general purpose transistor	SC-70_SOT323	z.B. ONSEMI

T4	1	BC856BWT1G	BC856BW PNP general purpose transistor	SC-70_SOT323	z.B. ONSEMI
VAR1	3	CG0603MLC-12E	Chip Guard Varistor	R0603	Chip Guard Varistor Bourns
VAR2		CG0603MLC-12E	Chip Guard Varistor	R0603	Chip Guard Varistor Bourns
VAR3		CG0603MLC-12E	Chip Guard Varistor	R0603	Chip Guard Varistor Bourns
X1	1	Mini USB Connctor SMD	Mini USB Connctor SMD		Würth 650 005 161 21
LP1	1	28XX PCB	PCB 26XX		Fa. Schwanz UL gefertigt !
Rev: 0		first initial release	01.12.2008		
Rev: 1		changed some values	17.12.2008		
Rev: 2		added the 555 Timer and its components	19.02.2009		
Rev: 3		added D2	06.04.2009		
Rev: 4		defined the PLCC Leds Osram	07.05.2009		
		Changed the FE1 to a 1206 oR resistor			
Rev: 5		Defined R59 to be 0R	18.05.2009		