

Stückliste/Partlist		OpenDCC Gateway 1.0/1.1/1.2					
History	03.12.2008	First release					
ID	Bauteil/ Component	Wert / Value	Package	Description / Order Code	only for		
					Option	BiDi	IO Option
C1	100n	C-EUC0603	C0603	CAPACITOR, European symbol			
C2	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol			
C4	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol			
C5	100n	C-EUC0603K	C0603K	CAPACITOR, European symbol			
C6	100n	C-EUC0603K	C0603K	CAPACITOR, European symbol			
C8	18pF	C-EUC0805	C0805	CAPACITOR, European symbol			
C9	18pF	C-EUC0805	C0805	CAPACITOR, European symbol			
C12	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol			
C13	10u	C-EUC1206	C1206	CAPACITOR, European symbol			
C19	100u	CPOL-EUC	PANASONIC_C	POLARIZED CAPACITOR, European symbol			
C21	10u	C-EUC1206	C1206	CAPACITOR, European symbol			
C22	1u	C-EUC1206	C1206	CAPACITOR, European symbol			
C30	10u/35V	C-EUC1210K	C1210K	CAPACITOR, European symbol		BiDi	
C31	1u	C-EUC1206K	C1206K	CAPACITOR, European symbol		BiDi	
C32	100n	C-EUC0603K	C0603K	CAPACITOR, European symbol		BiDi	
C33	4n7	C-EUC0603	C0603	CAPACITOR, European symbol		BiDi	
C34	10u/35V	C-EUC1210K	C1210K	CAPACITOR, European symbol		BiDi	
C50	2u2	C-EUC1206	C1206	CAPACITOR, European symbol	not fitted		
C60	2u2	C-EUC1206	C1206	CAPACITOR, European symbol	not fitted		
C80	220n	C-EUC0805K	C0805K	CAPACITOR, European symbol	LCD		
C81	1u	C-EUC1206	C1206	CAPACITOR, European symbol	LCD		
C90	100n	C-EUC1206K	C1206K	CAPACITOR, European symbol			
C91	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol			
C92	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol			
C94	10u	CPOL-EUCT3216	CT3216	POLARIZED CAPACITOR, European symbol			
D1	SS24	SCHOTTKY-DIODESMD	SMB	Schottky Diode			
D3	SS24	SCHOTTKY-DIODESMD	SMB	Schottky Diode			
D5	SS24	SCHOTTKY-DIODESMD	SMB	Schottky Diode			
D8	SS24	SCHOTTKY-DIODESMD	SMB	Schottky Diode			
D10	SS24	SCHOTTKY-DIODESMD	SMB	Schottky Diode			
D11	SS24	SCHOTTKY-DIODESMD	SMB	Schottky Diode			
D12	BAV199	BAV199	SOT23	DIODE, Dual		BiDi	
D13	BAV199	BAV199	SOT23	DIODE, Dual		BiDi	
D14	BAV199	BAV199	SOT23	DIODE, Dual			DCC In
IC1	LT1117	LT1117	SOT223	VOLTAGE REGULATOR			
IC2	LT1117	LT1117	SOT223	VOLTAGE REGULATOR			
IC3	MIC5219BM5	MIC5219BM5	SOT23-5	VOLTAGE REGULATOR			DCC In
IC4	HCPL0631	HCPL0631	SOIC08	Optocoupler Dual, Highspeed			DCC In
IC5	LT1761_BYP	LT1761_BYP	SOT23-5	Linear Regulator, LDO, 20V, 100mA; adjustable + bypass	not fitted		
IC6	LT1761_BYP	LT1761_BYP	SOT23-5	Linear Regulator, LDO, 20V, 100mA; adjustable + bypass	not fitted		
IC7	LM339D	LM339D	SO14	Low Power Low Offset Voltage Quad Comparators			
IC8	LT3465	LT3465	SOT23-6	LT3465A - 2.4MHz White LED Step-Up Converters with Bi	LCD		
IC9	FT232RL	FT232RL	SSOP28DB	USB UART			
IC10	AT90CAN128A	AT90CAN128A	TQFP64	MICROCONTROLLER			
IC11	Max3485	LTC485S	SOIC8	Low Power RS485 Interface Transceiver			Xpressnet
IC12	SN65HVD231	MCP2551SO8	SO08	CAN Transceiver Microchip			CAN
J1	J-04-SIP-100	J-04-SIP-100	SIP-100-04	HEADER JACK PINS			
J2	J-10-2MM-2X0	5D08 J-10-2MM-2X05D08	HDR-2MM-2X05_D08	HEADER JACK PINS 2mm			
J3	J-06-2MM-2X0	3_D08 J-06-2MM-2X03_D08	HDR-2MM-2X03_D08	HEADER JACK PINS 2mm			
J4	J-04-SIP-100	J-04-SIP-100	SIP-100-04	HEADER JACK PINS			
J5	J-04-SIP-100	J-04-SIP-100	SIP-100-04	HEADER JACK PINS			
J6	J-04-SIP-100	J-04-SIP-100	SIP-100-04	HEADER JACK PINS			
J7	J-04-SIP-100	J-04-SIP-100	SIP-100-04	HEADER JACK PINS			
J8	J-04-SIP-100	J-04-SIP-100	SIP-100-04	HEADER JACK PINS			
J11	RJ12KYCON	RJ12KYCON	KYCONGMX-SMT2-N-66-RJ12				Xpressnet
J12	RJ12KYCON	RJ12KYCON	KYCONGMX-SMT2-N-66-RJ12				Xpressnet
J13	RJ10KYCON	RJ10KYCON	KYCONGMX-SMT2-N-44-RJ10				CAN
J14	RJ10KYCON	RJ10KYCON	KYCONGMX-SMT2-N-44-RJ10				CAN
J15	USB-MB-H	USB-MB-H	USB Connectors	USB Connectors			USB
JP2		JP3Q	JP3Q	JUMPER			
L2	Ferrit	WE-CBF_0805	0805	SMD EMI Suppression Ferrite Beads (120Ohm@100MHz)			
L3	Ferrit	WE-CBF_0805	0805	SMD EMI Suppression Ferrite Beads			
L80	22u	L-EUL1210	R1210	INDUCTOR, European symbol	LCD		
L90	Ferrit	WE-CBF_0805	0805	SMD EMI Suppression Ferrite Beads			
LED1		LEDCHIP-LED0603	CHIP-LED0603	LED 50mcd@20mA			
LED2		LEDCHIP-LED0603	CHIP-LED0603	LED 50mcd@20mA			
LED3		LEDCHIP-LED0603	CHIP-LED0603	LED 50mcd@20mA			DCC In
M1	XBEE-PRO	XBEE-PRO	XBEE-PRO	Series 2 XBP24B***	wireless		
M2	DIP204B-4NLW	DIP204B-4NLW	DIP204B-4NLW	Display 20 x 4 chars, Electronic Assembly	only char disp		
P1	10k	POT_LI	POT_LI		only char disp		
Q1	10MHz	HC49UP	HC49UP				
Q2	NTR4501	BSS123	SOT23	N-CHANNEL MOS FET	LCD		
R1	120	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R2	10k	R-EU_R0603	R0603	RESISTOR, European symbol			
R3	4k7	R-EU_R0603	R0603	RESISTOR, European symbol			
R4	4k7	R-EU_R0603	R0603	RESISTOR, European symbol			
R5	5R6	R-EU_R1206	R1206	RESISTOR, European symbol	LCD		
R6	1k	R-EU_R0603	R0603	RESISTOR, European symbol			
R8	100	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R9	100	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R10	470	R-EU_R0603	R0603	RESISTOR, European symbol			
R11	470	R-EU_R0603	R0603	RESISTOR, European symbol			
R12	470	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R13	470	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R14	365R	R-EU_R0603	R0603	RESISTOR, European symbol			
R16	1R	R-EU_R1206	R1206	RESISTOR, European symbol			

R17	270	R-EU_R0603	R0603	RESISTOR, European symbol			
R18	120	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R19	121R	R-EU_R0603	R0603	RESISTOR, European symbol			
R20	121R	R-EU_R0603	R0603	RESISTOR, European symbol			
R21	200R	R-EU_R0603	R0603	RESISTOR, European symbol			
R22	1k	R-EU_R0603	R0603	RESISTOR, European symbol			
R23	1k	R-EU_R0603	R0603	RESISTOR, European symbol			
R24	1k	R-EU_R0603	R0603	RESISTOR, European symbol			
R30	100R	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R31	15k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R32	47k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R33	390k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R34	1k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R35	100k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R36	1k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R37	470	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R38	1k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R39	470	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R40	470	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R41	220	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R42	47k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R43	1k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R44	1k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R45	2k2	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R46	10k	R-EU_R0603	R0603	RESISTOR, European symbol		BiDi	
R47	1R5	R-EU_R1206	R1206	RESISTOR, European symbol			
R48	1k	R-EU_R0603	R0603	RESISTOR, European symbol			
R49	1k	R-EU_R0603	R0603	RESISTOR, European symbol			DCC In
R52	47k	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R54	82k	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R60	47k	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R61	82k	R-EU_R0603	R0603	RESISTOR, European symbol	not fitted		
R80	5R6	R-EU_R0603	R0603	RESISTOR, European symbol	LCD		
R92	4k7	R-EU_R0603	R0603	RESISTOR, European symbol			
R93	10k	R-EU_R0603	R0603	RESISTOR, European symbol			
R111	4k7	R-EU_R0603_SJ	R0603_SJ	RESISTOR, European symbol	not fitted		
R112	4k7	R-EU_R0603_SJ	R0603_SJ	RESISTOR, European symbol	not fitted		
R113	0R	R-EU_R0603_SJ	R0603_SJ	RESISTOR, European symbol	not fitted		
R114	0R	R-EU_R0603_SJ	R0603_SJ	RESISTOR, European symbol	not fitted		
R150	10k	R-EU_R0603_SJ	R0603_SJ	RESISTOR, European symbol	not fitted		
R160	10k	R-EU_R0603_SJ	R0603_SJ	RESISTOR, European symbol	not fitted		
U\$2	1G08	1G08	SOT23-5	2 input AND		BiDi	DCC In
X2	WAGO4-234-20	4 WAGO4-234-204	234-204	WAGO Cage Clamp			DCC In