



Title		Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086	
Size: A4	Number:	Revision:	
Date: 27/07/2010	Time: 10:31:32 p.m.	Sheet of	
File: C:\Ernesto\Proyecto\DCC Trains\Hardware\Reverse Unit\ReverseSchematics V1.SchDoc			



# Bill of Materials

Bill of Materials For Schematic Document [ReverseSchematics V1.SchDoc]

Source Data From: ReverseSchematics V1.SchDoc  
 Project: Reverse Unit Project.PrjPCB  
 Variant: None

Creation Date: 27/07/2010 10:31:47 p.m.  
 Print Date: 27-Jul-10 10:32:06 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
RB1.2	Cap Pol1	Cap Pol1	C1, C3	Polarized Capacitor (Radial)	2
RB1.4	Cap Pol1	Cap Pol1	C2	Polarized Capacitor (Radial)	1
CAP 0.1	Cap	Cap	C4	Capacitor	1
DIODE-0.4	1N4004	diode	D1	Default Diode	1
DIODE-0.2	1N4148	1N4148	D2, D3, D4, D5, D6, D7	Diodo	6
LED-5mm Red	LED0	LED0	DS1	Typical INFRARED GaAs LED	1
Bomera verde x 2	Connector	Bomera x 2	JP1, JP2	Bomera	2
RelayDPDT	Relay-DPDT	Relay-DPDT	K1	Dual-Pole Dual-Throw Relay	1
Transistor	2N2907	2n2907	Q1, Q7	PNP General Purpose Amplifier	2
TO-220 Vertical	MOSFET-N	MOSFET-N	Q2, Q3, Q9, Q10	N-Channel MOSFET with Shotky diode protection	4
Transistor	2N2222	2n2222	Q4, Q5, Q6, Q8	NPN General Purpose Amplifier	4
AXIAL-0.3	Res1	Res1	R1, R2, R3, R4, R7, R8, R9, R10, R11, R12, R13, R14, R15	Resistor	13
Axial 1/2W DIP-6	Res1	Res1	R5, R6, R16, R17	Resistor	4
TO-220 Vertical	4N26	4N26	U1, U2	Optoacoplador	2
PDIP300-P8	7805	LM 7805	U3	Regulador de Voltaje	1
	PIC12F683-I/P	PIC12F683-I/P	U4	Flash-Based 8-Bit CMOS Microcontroller with nanoWatt Technology, 2K (x14-Bit words) Program Memory, 384 Bytes Data Memory, 8-Pin PDIP, Industrial Temperature	1
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Approved	Notes