



















-86.31 (mm)-

Bill of Materials

PCB XXXX

 Source Data From:
 PCB_MDNP_P&P_V1.PrjPcb

 Project:
 PCB_MDNP_P&P_V1.PrjPcb

Variant: None

 Print Date:
 19/09/2013
 05:18:33 p.m.

 41536
 41536,72134

Footprint	Comment	LibRef	Designator	Description	Quantity
HDR1X6	Motor	Motor	B1	Gear Motor 300:1, 12 RPM, Encoder 900	1
0005 (0040)	0	0	04 00 00 04 05 00 07 00 00 040	pulses	40
0805 (2012) Package	Cap	Сар	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C16, C17, C18, C19,	Polarized Capacitor	19
QXK2J103KT	Сар	Сар	C20 C15	Polarized Capacitor	1
Р					
0805 (2012) Package	Cap_1	Cap_1	C21, C22, C23, C25	Capacitor	4
EEE- 1EA101XP	Cap	Сар	C24	Polarized Capacitor	1
HDR1X2	LED	LED	D1, D2	LED	2
	LED	LED	D3, D4	LED	2
Package			14 10 10 14		
Tornillo-Mod MINI USB	TF 0481900001	TF 0481900001	H1, H2, H3, H4	HOD On The On (OTO) Mini D December	4
MINI USB	0481900001	0481900001	J1	USB On-The-Go (OTG) Mini-B Receptacle, Right Angle, SMT, 0.80mm (.031") Pitch, Solder Tabs with Back Cover, Recessed Type	1
HDR1X2	Speaker	Speaker	LS1	Loudspeaker	1
TB_2	Bornera	Bornera	P1, P2, P3	Bornera 2 Pines	3
HDR1X2	Header	Header 2	P4, P5, P8	Header 2 Pines, Hedare 2 Pines	3
HDR2X20	Header 20x2	Header 20x2	P6	Header 40 pines	1
HDR2X4	Header 4x2	Header 4x2	P7	Header 8 pines	1
TO-252-3, DPak	Triac	Triac	Q1	Silicon Bidirectional Triode Thyristor	1
SOT23-3N	MMBT2222	NPN	Q2	NPN Bipolar Transistor	1
0805 (2012) Package	Res1	Res1	R1, R2, R3, R4, R6, R7, R8, R13, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30	Resistor	24
7-1676966-9	Res1	Res1	R9	Resistor	1
6-1879021-3	Res1	Res1	R10	Resistor	1
RHC2512FT1 K00	Res1	Res1	R11	Resistor	1
HDR1X3	Res Adj1	Res Adj1	R12	Variable Resistor	1
RLP73K3AR 18JTE	RS	Res1	R16	Resistor	1
HDR1X3	D2MQ_H	D2MQ_H	S1	Conector Micro Switch	1
HDR1X4	SW-SPST LED	SW-SPST LED	S2, S3	SW-SPST ON-OFF LED Independent	2
TEST- POINT_THT	TP	TP	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14,	Test Point	16
D7400 N			TP15, TP16	0	
PZ100_N MOC3042	LM3S1968-IQC MOC30XX	LM3S1968-IQC MOC30XX	U1 U2	Stellaris ARM Cortex-M3 Microcontroller 6 Pin Zero-Cross Optoisolator Triac Driver	1
				Output	
TO-252	LM1117	LM1117	U3, U4 U5	Full Dridge DMOS DWM Meter Driver	2
0_HS-8AN	Bridge H	Bridge H		Full-Bridge DMOS PWM Motor Driver	1
HDR1X4	ra	Sensor_Herradu ra	U6		1
SSOP-28N	FT232	FT232	U7	FTDI CHIP	1
ABLS_XTAL	ABMM-	XTAL	Y1	Crystal Oscillator	1
	8.000MHZ-B2-T				102
Approved Notes		Notes			102
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