

APPLICANT:-	Learning Curve Brands, Inc.
MODEL NO:-	37575A1 / 52538 (49MHz)
MODEL NAME:-	MP JLX OVERDRIVE RADIO CONTROL
DATE:-	23/6/2008
BY:-	BILLY
VERSION :-	49.860 MHZ
REVISION :-	A
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CIRCUIT DESCRIPTION

<u>DESCRIPTION</u>	<u>FUNCTION</u>	<u>COMPONENT</u>
RECEIVE SECTION		
1 Antenna	Receive RF signal from air	Ant
2 Resonance	Resonant circuit to Receive 49.860 MHz	T1,C2
3 Detector	Superregenerator & detector	Q1
4 Amplifiers	Pre-amplifier AF signals to decoder	U1A/U1B
5 Decoder	Generate decode signal to motor driver	U4
6 Regulator	Voltage dc-dc regulate to 3.6vdc	U3
7 Voltage step-up	Voltage dc-dc step-up circuit for FET drive	Q21/Q24
8 Right motor drive	To drive power to right side FET(s)	Q7,Q8,Q9,Q10
9 Motor power	To drive DC heavy current to right motor	Q15,Q19,Q20,Q22
10 Left motor drive	To drive power to left side FET(s)	Q11,Q12,Q13,Q14
11 Motor power	To drive DC heavy current to left motor	Q6,Q17,Q16,Q18
12 Powe Supply	By one of the emax 2/3AA type 800ma 12vdc	NI-MH BATTERY
14 Type of antenna :	Integral -type antenna	