

Design Kit
DC Motor Speed Control Circuit

Classification	Sub-Classification	Part Number	Manufacturer	SPEC	Code	Datasheet	Report	Model	Simbol
IC	IC TIMER	LM555	National Semiconductor	-	U1	✓	✓	✓	✓
Motor	DC Magnet Motor	RS-380PH	MABUCHI MOTOR	12V	U2	✓	✓	✓	✓
IC	VOLTAGE REGULATOR	uPC7812A	NEC Electronics Corporation	12V (TYP.)	U3	✓	✓	✓	✓
BJT	NPN-BJT	2SC1061	MOSPEC	50V / 3A	Q1	✓	✓	✓	✓
BJT	NPN-BJT	BC547	FAIRCHILD	45V / 0.1A	Q2	✓	✓	✓	✓
Diode	High-speed diodes	1N4148	PHILIPS	100V / 0.2A	D1 ,D2	✓	✓	✓	✓
Diode	General Rectifier Diode	1N4001	EIC	50V / 1A	D3,D4,D5, D6,D7	✓	✓	✓	✓