



Technology Education Concepts

Materials List - RAPMAN V3.



BITS FROM BYTES

Part Number/ Description	Type	QTY
10023 Y Motor Spacer	3mm LC	1
10055 Extruder Filament Spacer	3mm LC	1
10075 Extruder Filament Clamp Nut Retainer	3mm LC	1
10076 Extruder Filament Clamp Nut Backing	3mm LC	1
10085 Extruder Bearing Clamp Plate	3mm LC	4
10090 Extruder PCB Spacer	3mm LC	8
10101 Screen Clamp	3mm LC	1
3mm Button	3mm LC	7
RapMan V2.0 Top Plate	3mm LC	1
10001 Corner Block Top Top	5mm LC	3
10002 Corner Block Top Mid	5mm LC	3
10003 Corner Block Top Bttm R	5mm LC	2
10004 Corner Block Top Top Y Motor	5mm LC	1
10005 Corner Block Top Mid Y Motor	5mm LC	1
10006 Corner Block Top Bttm Y Motor	5mm LC	1
10007 Corner Block Bttm Bttm	5mm LC	4
10007 Corner Block Bttm Top L	5mm LC	2
10007 Corner Block Top Bttm L	5mm LC	1
10008 Corner Block Bttm Mid	5mm LC	4
10011 Corner Block Bttm Top R	5mm LC	1
10011 Corner Block Bttm Top Z Motor R	5mm LC	1
10022 Y Motor Mount	5mm LC	1
10024 X Motor Mount	5mm LC	1
10025 X Motor Linear Bearing Clamp	5mm LC	1
10026 X Motor Rod Clamp	5mm LC	1
10027 MXL Y Belt Clamp	5mm LC	12
10028 X Idler Mount	5mm LC	1
10029 X Idler Linear Bearing Clamp	5mm LC	2
10030 X Idler Rod Clamp	5mm LC	2
10031 Y Idler Mount	5mm LC	2
10032 Y Bearing Mount	5mm LC	1
10033 Y Bearing Clamp	5mm LC	1
10034 X Carriage Top	5mm LC	2
10035 X Carriage Spacer	5mm LC	1
10036 X Motor Rod Clamp Inc End Stop	5mm LC	1
10037 End Stop Packer	5mm LC	1
10038 Z Limit Switch Mount	5mm LC	2
10040 Diagonal Tie Plate	5mm LC	32
10041 Reel Mountt	5mm LC	1
10041 X Motor Linear Bearing Clamp Inc Conduit	5mm LC	1
10043 Reel Ring	5mm LC	1
10044 Reel Segment	5mm LC	9
10045 Filament Reel	5mm LC	2
10046 Reel Segment Outer	5mm LC	3
10047 Reel Handle Disc	5mm LC	4
10048 Reel Mount Clamp 3 Bolt	5mm LC	1
10049 Reel Mount Clamp 2 Bolt	5mm LC	1
10050 Extruder Motor Mount	5mm LC	1
10051 Bearing Mount	5mm LC	1
10056 Extruder Mounting Plate	5mm LC	1

10057 Extruder Top Plate	5mm LC	1
10064 Extruder Insulation Retainer	5mm LC	1
10066 Diagonal Tie Plate 12mm	5mm LC	8
10073 Extruder Conduit Holder	5mm LC	1
10077 Extruder Depth Stop Nyloc Retainer	5mm LC	1
10078 Extruder Depth Stop Nyloc Backing	5mm LC	1
10086 Extruder Bearing Clamp Spacer	5mm LC	4
10087 Setting Bar	5mm LC	3
10088 Foot Setting	5mm LC	4
10089 Y Idler Mount Inside	5mm LC	2
10093 3Ø 5mm Spacer	5mm LC	12
10099 Fan Mount Small	5mm LC	1
10100 Fan Mount Large	5mm LC	1
Bed Mount Mk3	5mm LC	4
CartBotPCB Clamp	5mm LC	1
Driven Pulley	5mm LC	1
Driven Pulley Flange	5mm LC	1
Driven Pulley Flange Bttm	5mm LC	1
Fan Mount Top	5mm LC	1
Idle Pulley	5mm LC	44
RapMan V2.0 Lower Plate	5mm LC	1
Spring Plate Mk3	5mm LC	4
Top Nut Plate Mk3	5mm LC	4
10052 Driven Gear	8mm LC	1
10053 Drive Gear	8mm LC	1
10054 Extruder Main Plate	8mm LC	1
10079 Z Tensioner Spacer	8mm LC	1
Adjustable Bed	8mm LC	1
Bed Frame	8mm LC	1
008 7150 114 42 8Ø Slide Bearing	Bearing	8
608ZZ Bearing	Bearing	12
623ZZ Bearing	Bearing	7
625 2Z Bearing	Bearing	1
KH1228	Bearing	7
RI-1214ZZ	Bearing	1
1_4 Coupling	Belt & Pulley	1
MXL 18T DF Pulley	Belt & Pulley	1
MXL 18T1F Pulley	Belt & Pulley	2
MXL Belt 28.8	Belt & Pulley	2
MXL Belt X	Belt & Pulley	1
XL Belt Z	Belt & Pulley	1
12 Way Extruder Plug	Electronics	1
Bootlace Ferrule	Electronics	4
Electronic Controller Board 3 Axis + Extruder	Electronics	1
Fan Connector Plug	Electronics	1
Fan Connector Socket	Electronics	1
OLED Display 128 x 64	Electronics	1
PSU 12V 6.67A	Electronics	1
Thermistor 200K	Electronics	1
V15 Micro Switch	Electronics	3
20010 Drive Shaft	Ex PartsEx Parts	11
20012 Nozzle Holder	Ex Parts	1
20013 Nozzle	Ex Parts	1
20014 PTFE Insulator	Ex Parts	1
Fire Cement	Ex Parts	1
Fan 80mm	Fan	2
M2 Nut Full BZP	Hardware	6
M2 Washer BZP	Hardware	10
M2 x 12 Cheese Head BZP	Hardware	6
M3 Nut Full BZP.ipt	Hardware	156
M3 Washer BZP	Hardware	392

M3 x 10 Cap Head BZP	Hardware	4
M3 x 12 Cap Head BZP	Hardware	38
M3 x 12 Washer BZP	Hardware	5
M3 x 16 Cap Head BZP	Hardware	9
M3 x 20 Cap Head BZP	Hardware	16
M3 x 25 Cap Head BZP	Hardware	105
M3 x 30 Cap Head BZP	Hardware	18
M3 x 35 Cap Head BZP	Hardware	2
M3 x 6 Grub Screw	Hardware	2
M5 Nut Full BZP	Hardware	106
M5 Nut Nyloc BZP	Hardware	1
M5 Washer BZP	Hardware	143
M5 x 16 Cap Head BZP	Hardware	10
M5 x 20 Cap Head BZP	Hardware	15
M5 x 20 Hexagon Head BZP	Hardware	3
M5 x 25 Cap Head BZP	Hardware	10
M5 x 25 Hexagon Head BZP	Hardware	2
M5 x 30 Cap Head BZP	Hardware	11
M5 x 30 Washer BZP	Hardware	2
M5 x 35 Cap Head BZP	Hardware	28
M5 x 55 Cap Head BZP	HardwareHardware	22
M5 x 6 Grub Screw	Hardware	24
M5 x 70 Hexagon Head Set BZP	Hardware	1
M8 Nut Full BZP	Hardware	82
M8 Nut Half BZP	Hardware	1
M8 NutWing BZP	Hardware	1
M8 Spring Waher BZP	Hardware	1
M8 Washer BZP	Hardware	84
M8 x 120 Hexagon Set BZP	Hardware	2
M8 x 40 Washer BZP	Hardware	8
M8 x 60 Hexagon Set BZP	Hardware	3
M8 x 70 Hexagon Set BZP	Hardware	1
FL42STH47-1684A-01	Motor	1
FL57STH56-3008B	Motor	3
8Ø Rod Cover	Plastics	6
M8 Nut Cover	Plastics	20
301 3150 599 34 M3 Spacer 15mm	Spacer	17
M3 x 20 Spacer	Spacer	6
C2-4243-2M	Spring	7
20001 500mm 8Ø Rod	Steel	7
20002 M8 350mm Threaded	Steel	4
20003 95mm 8Ø Rod	Steel	1
20004 500mm 12Ø Rod	Steel	4
20005 70mm 8Ø Rod	Steel	2
20006 475mm 8Ø Rod	Steel	3
20007 58mm 8Ø Rod	Steel	1
20008 Y Drive Shaft 8Ø	Steel	1
20009 M8 575mm Threaded	Steel	8
20011 M8 650mm Threaded	Steel	2
29SWG Bare Wire	Wire	1
Conduit	Wire	1
NiChrome Wire	WireWire	11
Cable Tie		7