




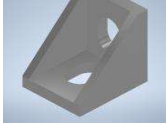

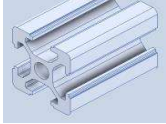

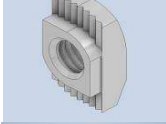
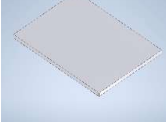


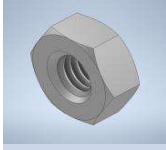



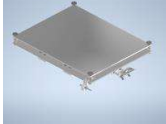


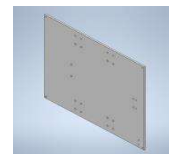
Item	Part Number	Thumbnail	QTY
1	Main Frame Assembly		1
1.1	2020 Aluminum Profile 600mm		2
1.2	2020 Aluminum Profile 400mm		3
1.3	2020 Aluminum Profile 300mm		2
1.4	2020 Aluminum Profile 440mm		1
1.5	2020 Angle Bracket		22
1.6	2020 Aluminum Profile 220mm		1
1.7	2020 Aluminum Profile 30mm		1
1.8	M4 Washer		44
1.9	M4x8mm Screw		38
1.10	M4 T Nut		32
1.11	Wood Panel 600x440mm		1

1.12	Wood Screw		6
2	Y/Z Stepper Motor Assembly	*Varies*	3
2.1	Nema17 Stepper Motor Bracket		1
2.2	Nema17 Stepper Motor		1
2.3	GT2 Pulley 5mm Bore		1
2.4	M3x8mm Screw		4
2.5	M4x10mm Grub Screw		2
3	Power Supply S-240-12		1
4	Arduino Case Assembly		1
4.1	Arduino MEGA 2560 and RAMPS Shield		1
4.2	Arduino Case Body		1
4.3	M3x10mm Internal Thread Plastic Spacer		6
4.4	Arduino Case Cover		1

4.5	40x40x10mm 12V Fan		1
4.6	Fan Grill for 40mm Fan		1
4.7	Printer Logo Plate		1
4.8	M3 Nut		8
4.9	M3x16mm Screw		4
4.10	M3 Washer		12
4.11	M3x20mm Screw		4
4.12	M3 Spring Washer		4
4.13	M3x6mm Countersunk Screw		6
4.14	M3x6mm Plastic Screw		6
5	Power Connector and Switch Assembly		1
5.1	Connector Case		1

5.2	Connector Case Cover		1
5.3	Power Connector with integrated Switch		1
5.4	M3x10mm Countersunk Screw		2
5.5	M3 Nut		6
5.6	M3 Washer		6
5.7	M3 Spring Washer		2
5.8	M3x20mm Screw		4
6	25x25mm Metal Angle Bracket		4
7	SK8 Vertical Rod Support Fastener		4
8	8mm Diameter Rod 600mm		2
9	M4x12mm Screw		34
10	Heated Bed Assembly		1

10.1 Heated Bed Aluminum Carrier Plate



1

10.2 SC8UU Polyamide Bearing



4

10.3 M4x20mm Screw



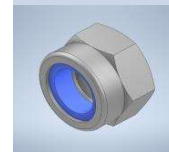
18

10.4 M4 Washer



30

10.5 M4 Nylon Lock Nut



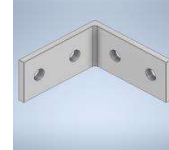
6

10.6 Y Movement Tensioner Belt Holder



1

10.7 30x30mm Metal Angle Bracket



1

10.8 Threaded Aluminum Block for Limit Switch Screws



1

10.9 M3x10mm Screw



9

10.10 M3 Spring Washer



9

10.11 M3x40mm Screw



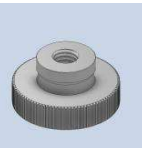
1

10.12 M3 Washer



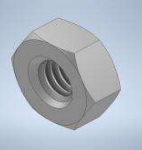
17

10.13 M3 Knurled Nut



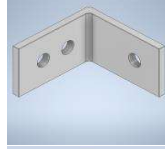
1

10.14 M3 Nut



8

10.15 Custom 25x25mm Metal Angle Bracket for Y Movement Belt Tensioner



2

10.16 M4x40mm Screw



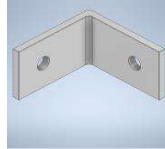
2

10.17 Spring 20h 2p 6d



2

10.18 25x25mm Metal Angle Bracket



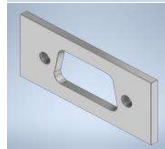
2

10.19 M4 Wing Nut



2

10.20 Y Movement Belt Holder on the Motor Side



1

10.21 Spring 20h 4p 8d



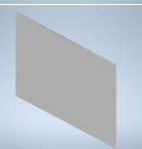
4

10.22 Heating Element Board



1

10.23 Heated Bed Aluminum Plate



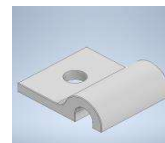
1

10.24 Temperature Sensor



1

10.25 Temperature Sensor Bracket/Press



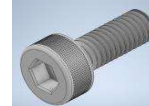
1

10.26 M3 Isolator/Plastic Washer



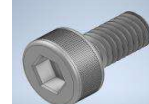
1

10.27 M3x8mm Screw



1

10.28 M3x6mm Screw



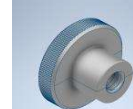
4

10.29 M4x35mm Screw



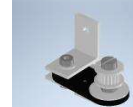
4

10.30 M4 Knurled Nut



4

11 Y Movement Tensioner Assembly



1

11.1 Belt Tensioner Plate (Creality 3D X Axis Passive Block)



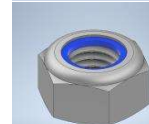
1

11.2 M5x20mm Washer



2

11.3 M5 Nylon Lock Nut



1

11.4 GT2 Idler 5mm Bore



1

11.5 M5x25 Slotted Screw



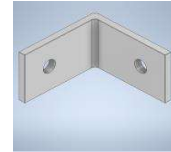
1

11.6 M5 Nut



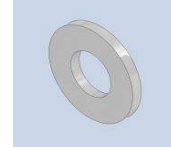
1

11.7 25x25mm Metal Angle Bracket



2

11.8 M4 Washer



2

11.9 M4 Spring Washer



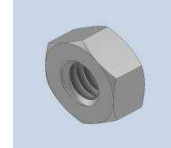
3

11.10 M4x16mm Screw



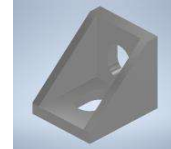
1

11.11 M4 Nut



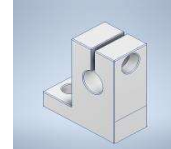
1

12 2020 Angle Bracket



12

13 SK8 Vertical Rod Support Fastener with one mounting hole (the other one is cut)



4

14 8mm Diameter Rod 250mm



2

15 8mm Diameter Threaded Rod 200mm



2

16 KP08 Bearing with right mounting hole (the left one is cut)



1

17 KP08 Bearing with left mounting hole (the right one is cut)



1



18 M3 Washer

6

19 M3 Spring Washer

33

20 M4 T Nut

53

21 Extruder X Movement Assembly

1

21.1 2040 Aluminum Profile (Double) 600mm

1

21.2 X Movement Motor Assembly

1

21.2.1 X Movement Motor Holder Plate

1

21.2.2 Nema17 Stepper Motor

1

21.2.3 M3x10mm Countersunk Screw

4

21.3 X Movement Tensioner

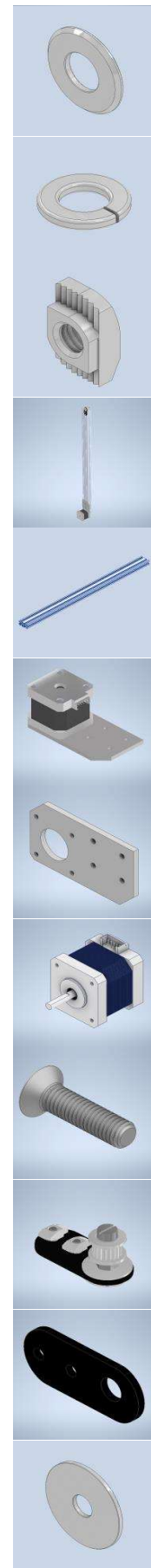
1

21.3.1 Belt Tensioner Plate (Creality 3D X Axis Passive Block)

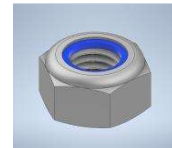
1

21.3.2 M5x20mm Washer

2

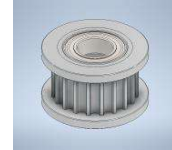


21.3.3 M5 Nylon Lock Nut



1

21.3.4 GT2 Idler 5mm Bore



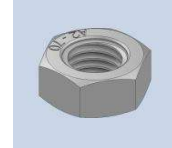
1

21.3.5 M5x25 Slotted Screw



1

21.3.6 M5 Nut



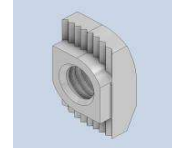
1

21.3.7 M4x8mm Screw



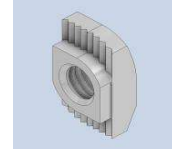
2

21.3.8 M4 T Nut



2

21.4 M4 T Nut



4

21.5 M4 Washer



4

21.6 M4x10mm Screw



4

21.7 GT2 Pully 5mm Bore



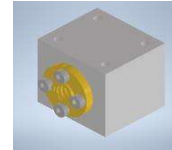
1

21.8 M4x10mm Grub Screw

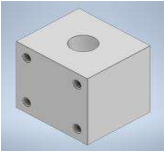













2

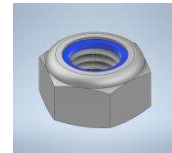
22 T8 Nut with Housing Assembly



2

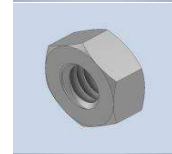
22.1	T8 Nut Housing		1
22.2	T8 Nut for Threaded Rod		1
22.3	M3x10mm Screw		4
23	SC8UU Polyamide Bearing		2
24	M4x8mm Screw		27
25	M4 Washer		65
26	M4x25mm Screw		4
27	M4 Spring Washer		12
28	Z Movement Wheel Holder Plate		2
29	V Wheel Ø24.4mm		2
30	M5 Washer		6
31	M5x25 Slotted Screw		2

32 M5 Nylon Lock Nut



2

33 M4 Nut



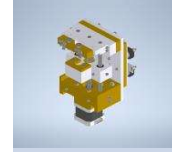
8

34 M4x16mm Screw



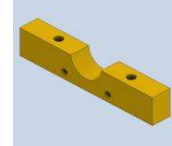
4

35 Extruder Assembly



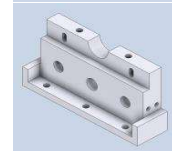
1

35.1 Syringe Barrel Press



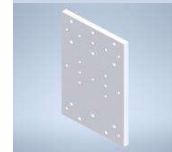
1

35.2 Syringe Barrel Holder



1

35.3 Plastic Backplate



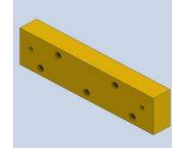
1

35.4 Syringe Plunger Holder



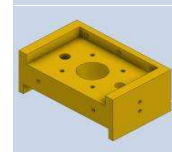
1

35.5 Syringe Barrel Holder Spacer



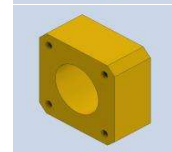
1

35.6 Stepper Motor Holder



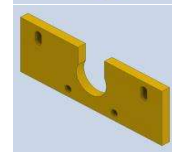
1

35.7 Stepper Motor Spacer



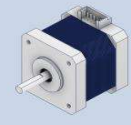
1

35.8 Syringe Barrel Flange Press



1

35.9 Nema17 Stepper Motor



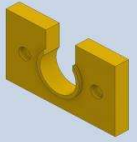
1

35.10 Wheels Screws Mounting Plate



1

35.11 Syringe Plunger Flange Press



1

35.12 T8 Nut for Threaded Rod



1

35.13 M4x35mm Screw



2

35.14 M4 Washer



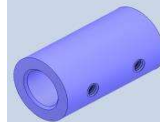
22

35.15 8mm Diameter Rod 136mm



2

35.16 5mm to 8mm Fixed/Rigid Coupler



1

35.17 Grub Screw



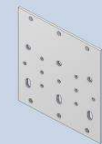
4

35.18 8mm Diameter Threaded Rod 133mm



1

35.19 Wheels Screws Mounting Aluminum Backplate



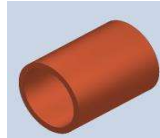
1

35.20 M5x20mm Washer



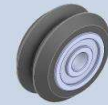
6

35.21 M5x8mm Spacer



6

35.22 V Wheel Ø24.4mm



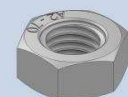
6

35.23 M5 Washer



6

35.24 M5 Nut



12

35.25 M4x40mm Screw



3

35.26 M3x12mm Screw



10

35.27 M3x20mm Screw



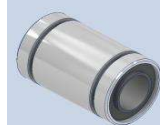
15

35.28 M3x25mm Screw



2

35.29 LM8UU Linear Bearing



2

35.30 M3x30mm Screw



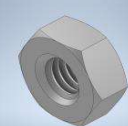
4

35.31 M3 Washer



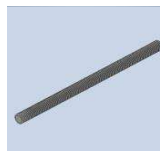
21

35.32 M3 Nut



13

35.33 M3x50mm Threaded Rod



4

35.34 M3 Lock Nut



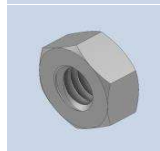
4

35.35 M4 Wing Nut



2

35.36 M4 Nut



13

35.37 M4x100mm Threaded Rod



2

35.38 M4 Spring Washer



9

35.39 M4x20mm Screw



3

35.40 M4x30mm Screw



3

35.41 Wood Screw



7

35.41.1 3.5x18mm Wood Screw



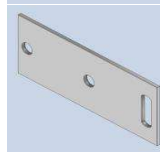
1

35.42 M3 Spring Washer



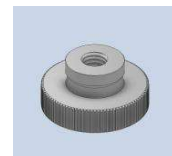
9

35.43 X Movement Belt Holder



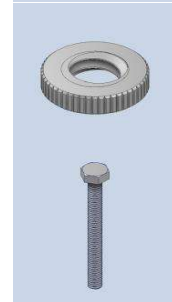
2

35.44 M3 Knurled Nut



2

35.45 M4 Knurled Slim Nut



2

35.46 M5x40mm Screw  
36 X/Y Movement Limit Switch Assembly

\*Varies\*

6

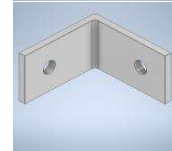
2

36.1 MakerBot Limit Switch Board



1

36.2 25x25mm Metal Angle Bracket



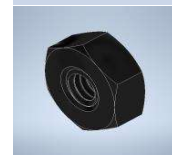
2

36.3 M3 Washer



2

36.4 M3 plastic Nut



2

36.5 M3x6mm Plastic Screw



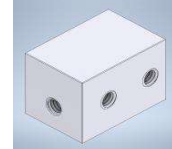
2

36.6 M3x6mm Internal and External Thread Plastic Spacer



2

37 Threaded Aluminum Block for Limit Switch Screws



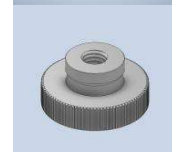
1

38 M3x40mm Screw



1

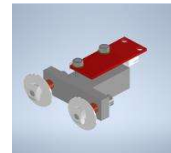
39 M3 Knurled Nut



1

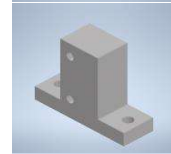


40 Z Movement Limit Switch Assembly



1

40.1 Custom SK8 Plastic Vertical Rod Support Fastener



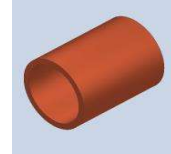
1

40.2 M5x20mm Washer



2

40.3 M5x8mm Spacer



2

40.4 M4 Washer



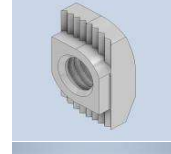
2

40.5 M4x20mm Screw



2

40.6 M4 T Nut



2

40.7 MakerBot Limit Switch Board



1

40.8 M3x25mm Screw



2

40.9 M3 Washer



2

40.10 M3 Plastic/Isolator Washer

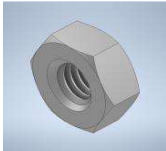


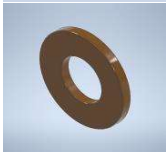
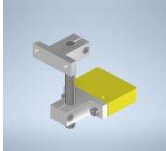
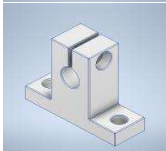


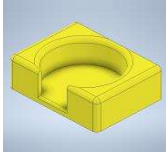
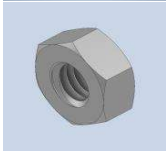

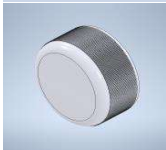


2

40.11 M3 Spring Washer



2

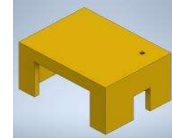
40.12	M3 Nut		2
41	Heated Bed Driver		1
42	M5x20mm Washer		2
43	M4 Plastic/Isolator Washer		4
44	Needle Parking Assembly		1
44.1	SK8 Vertical Rod Support Fastener		2
44.2	M4x12mm Screw		4
44.3	8mm Diameter Rod 85mm		1
44.4	Needle Parking Plastic Body		1
44.5	M4 Nut		2
44.6	M4 Spring Washer		2
44.7	Bottle Cap		1

45 M4x10mm Screw



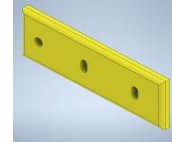
4

46 Wire Cover Case Body



1

47 Wire Cover Case Bracket



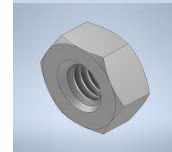
1

48 M3 Washer



12

49 M3 Nut



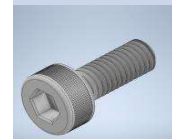
2

50 M3x12mm Screw



2

51 M3x8mm Screw



4

52 M3x35mm Internal Thread Spacer



1

53 M3x10mm Screw



2

54 M3x25mm Screw



1