

TicTac_2.1_BOM

COMPONENT	QUANTITY	TOTAL	CATEGORY	MATERIAL	SOURCE UK	OUTSIDE UK	NOTES
FRAME							
Y_2040/190 Extrusion	1	1	Frame	Aluminium	Misumi	Misumi	T or V-Slot 2040 Extrusion - 190mm Long
ZY_2040/105 Extrusion	1	1	Frame	Aluminium	Misumi	Misumi	T or V-Slot 2040 Extrusion - 105mm Long
Z_2040/270 Extrusion	1	1	Frame	Aluminium	Misumi	Misumi	T or V-Slot 2040 Extrusion - 270mm Long
2040 L-plate	1	1	Frame	3-4mm Alu		Aliexpress	
2040_FRONT_LEG	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_CORNER_BRACE	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_MOTOR_CAGE	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_FRONT_IDLER_MOUNT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MGN15 Linear Rail 200mm	2	2	Motion	Steel		Aliexpress	Medium - High Preload is recommended
NEMA17 Stepper Motor	1	3	Motion/Electrical		Ratrig	Ratrig	Model: LDO-42STH40-1684AC
GT2 20T Drive Pulley 10mm belt - 5mm ID	1	2	Motion	Aluminium		Aliexpress	
GT2 Toothed Idler Pulley 10mm belt - 5mm ID	1	4	Motion	Aluminium		Aliexpress	
Y_Belt_GT2_9-10mm wide x 650mm long	1	1320mm	Motion	Rubber		Aliexpress	
2020 T-nut M5	28	58	Fastener	Steel	Amazon	Aliexpress	
2020 T-nut M3	10	44	Fastener	Steel	Amazon	Aliexpress	
SQ_NUT_M5X7.9X2.6MM	2	7	Fastener	Steel	Orbital		Square Nut - M5 x 7.9mm OD x 2.6mm L
M5 Hex nut (Nylock)	1	2	Fastener	Steel	Orbital		
M5X60_BHCS	2	2	Fastener	Steel	Orbital		M5 Button Head Cap Screw 60mm Long
M5X25_SHCS	7	16	Fastener	Steel	Orbital		M5 Button Head Cap Screw 25mm Long
M5X16_BHCS	9	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 16mm Long
M5X10_BHCS	4	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 10mm Long
M5X8_BHCS	8	15	Fastener	Steel	Orbital		M5 Button Head Cap Screw 8mm Long
M3X10_SHCS	14	44	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 10mm Long
M5_SHIM_8X5X1	2	14	Fastener	Steel		Aliexpress	Shim - 8mm OD x 5mm ID x 1mm L
Rubber_feet	3	4		Rubber	Amazon		21mm OD x 16mm L
Z_DRIVE_2.0							
Z_MOTOR_MOUNT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_BEARING_BLOCK_RIGHT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_BEARING_BLOCK_LEFT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
LOWER_PULLEY_PLATE	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
LOWER_PULLEY_COVER_B	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
LOWER_PULLEY_COVER_A	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
BELT_TENSIONER (Z motor)	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_BELT_NUT_TOP_2.0	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_BELT_NUT_BOTTOM_2.0	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_BELT_SLIDE_2.0	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_BELT_LOCK	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
X_END_CAP_2.0	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_CAP	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_DRIVE_MAIN_A	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
NEMA17 Stepper Motor	1	3	Motion/Electrical		Ratrig	Ratrig	Model: LDO-42STH40-1684AC

TicTac_2.1_BOM

GT2 80T Drive Pulley <u>6mm</u> belt - 5mm ID	1	1	Motion	Aluminium		Aliexpress	
GT2 16T Drive Pulley <u>6mm</u> belt - 5mm ID	1	1	Motion	Aluminium		Aliexpress	
GT2 Toothed Idler Pulley <u>10mm</u> belt - 5mm ID	3	4	Motion	Aluminium		Aliexpress	
GT2 20T Drive Pulley <u>10mm</u> belt - 5mm ID	1	2	Motion	Aluminium		Aliexpress	
F695 2RS Bearing	9	9	Motion	Steel		Aliexpress	Flange Bearing - 5mm ID x 13mm OD x 4mm L
Ground_Shaft-with-Flats_5x70mm	1	1	Motion	Steel	Amazon	Aliexpress	
Ground_Shaft_5x25mm	2	2	Motion	Steel	Amazon	Aliexpress	
Z_Belt_GT2_9- <u>10mm</u> wide x 670mm long	1	1320mm	Motion	Rubber		Aliexpress	
GT2 Belt Loop - <u>6mm</u> x (188mm min)	1	1	Motion	Rubber		Aliexpress	
M5X50_BHCS	1	1	Fastener	Steel	Orbital		M5 Button Head Cap Screw 50mm Long
M5X25_SHCS	6	16	Fastener	Steel	Orbital		M5 Button Head Cap Screw 25mm Long
M5X16_BHCS	2	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 16mm Long
M5X10_BHCS	4	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 10mm Long
M5X10_FHCS	3	6	Fastener	Steel	Orbital		M5 Flat Head Cap Screw 10mm Long
2020 T-nut M5	7	58	Fastener	Steel	Orbital		
M5 Hex nut (Nylock)	1	2	Fastener	Steel	Orbital		
SQ_NUT_M5X7.9X2.6mm	1	7	Fastener	Steel	Orbital		Square Nut - M5 x 7.9mm OD x 2.6mm L
M3X45_SHCS	3	9	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 45mm Long
M3X16_SHCS	9	16	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 16mm Long
M3X10_SHCS	4	44	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 10mm Long
M3X20_FHCS	10	14	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 20mm Long
M3X10_FHCS	1	29	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 10mm Long
M3X6_FHCS	1	5	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 6mm Long
M3x10_set_screw	1	1	Fastener	Steel	Orbital		M3 Set Screw 10mm Long
SQ_NUT_M3x5.4x1.6mm	2	2	Fastener	Steel	Orbital		Square Nut - M3 x 5.4mm OD x 1.6mm L
M5_SHIM_8X5X1	10	14	Fastener	Steel		Aliexpress	Shim - 8mm OD x 5mm ID x 1mm L
M3x5x4 heatset-Insert	22	48	Fastener	Brass	Amazon	Aliexpress	Brass Heat Insert - M3 x 5.0mm (OD) x 4.0mm (L)
Rubber_feet	1	4		Rubber	Amazon		21mm OD x 16mm L
PICO_CASE_2.1							
BOARD_BASE_PLATE	1	1	Frame	4mm Aluminium	Jake3D	Toro3D	4mm Aluminium Plate, my build (AW 5251)
MAINBOARD_COVER_A	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MAINBOARD_COVER_B	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MAINBOARD_COVER_C	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MAINBOARD_COVER_D	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MAINBOARD_COVER_E	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
PORT_COVER	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
BOARD_BASE_MESH	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
PICO_MOUNT_A	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
PICO_MOUNT_B	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
15mm_STANDOFF	2	2	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
BTT SKR Pico V1.0	1	1	Electrical			Aliexpress	Big tree Tech Mainboard
Raspberry Pi Zero 2 W	1	1	Electrical		The Pi Hut		The Raspberry connects to the Pico over UART
XT60E-M	1	1	Electrical		Amazon		

TicTac_2.1_BOM

FAN 4010 24V (Board Cooling)	1	2	Electrical		Onetwo3D		
M5X8_BHCS	7	15	Fastener	Steel	Orbital		M5 Button Head Cap Screw 8mm Long
M3X10_SHCS	16	44	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 10mm Long
M3X10_FHCS	4	29	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 10mm Long
2020 T-nut M5	4	58	Fastener	Steel	Amazon	Aliexpress	
2020 T-nut M3	4	44	Fastener	Steel	Amazon	Aliexpress	
M3x5x4 heatset-Insert	12	48	Fastener	Brass	Amazon	Aliexpress	Brass Heat Insert - M3 x 5.0mm (OD) x 4.0mm (L)
BUILD_PLATE							
Y_AXIS_PLATE	1	1	Frame	4mm Aluminium	Jake3D	Toro3D	4mm Aluminium Plate, my build (AW 5251)
Y_BELT_BODY	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_BELT_TENSIONER	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_BELT_COVER	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_CHAIN_MOUNT_END	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_CHAIN_MOUNT_START	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_ENDSTOP_MOUNT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MGN15H carriage	1	2	Motion			Aliexpress	
BUILD_PLATE_(Voron V0)	1	1		MIC6 Aluminium	Onetwo3D	Aliexpress	
Silicone Heater Pad 24V 60W (Voron V0)	1	1	Electrical		Onetwo3D	Aliexpress	
Spring Steel Sheet	1	1			Onetwo3D	Aliexpress	
Y_CABLE_CHAIN_10x11_R18_3HOLE_10 links	1	38	Electrical	Plastic	Amazon	Aliexpress	
Micro Switch - Y Endstop	1	2	Electrical		Onetwo3D	Aliexpress	I recommend using sensorless homing
BED_SPACER (8x12mm)	3	3	Fastener	Aluminium			Spacer - 3-4mm ID x 8mm OD x 12mm L
M5X10_BHCS	3	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 10mm Long
SQ_NUT_M5X7.9X2.6mm	2	7	Fastener	Steel	Orbital		Square Nut - M5 x 7.9mm OD x 2.6mm L
2020 T-nut M5	1	58	Fastener	Steel	Amazon	Aliexpress	
M3X45_SHCS	1	9	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 45mm Long
M3X20_FHCS	4	14	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 20mm Long
M3X12_SHCS	2	4	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 12mm Long
M3X8_SHCS	6	14	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 8mm Long
M3x5x4 heatset-Insert	7	48	Fastener	Brass			Brass Heat Insert - M3 x 5.0mm (OD) x 4.0mm (L)
X_AXIS/GANTRY							
X_AXIS_PLATE	1	1	Frame	4mm Aluminium		Toro3D	4mm Aluminium Plate, my build (AW 5251)
X_2020/280mm Extrusion	1	1	Frame	Aluminium	Misumi	Misumi	T or V-Slot 2020 Extrusion - 280mm Long
X_MOTOR_CAGE_V2	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
X_IDLER_HOUSING	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
ZX_CABLE_CHAIN_BASE	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_CABLE_CHAIN_TOP_LINK	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
ZX_CABLE_CHAIN_LID	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_CABLE_CHAIN_LOWER_LINK	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
X_ENDSTOP_MOUNT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
X_CABLE HOLDER (No Cable-Chain Optional)	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
MGN12 Linear Rail 200mm	1	1	Motion			Aliexpress	Medium - High Preload is recommended
MGN15H Carriage	1	2	Motion			Aliexpress	

TicTac_2.1_BOM

MGN12C Carriage	1	1	Motion			Aliexpress	
NEMA17 Stepper Motor	1	1	Motion/Electrical		Ratrig	Ratrig	Model: LDO-42STH40-1684AC
GT2 20T Drive Pulley <u>6mm</u> belt - 5mm ID	1	1	Motion	Aluminium		Aliexpress	
GT2 Toothed Idler Pulley <u>6mm</u> belt - 5mm ID	1	1	Motion	Aluminium		Aliexpress	
X_Belt_GT2_6mm wide x 500mm long	1	500mm	Motion	Rubber		Aliexpress	Feeding the belt into the Toolhead can be a little tricky, use the tensioning hole to push the belt through.
Z_CABLE_CHAIN_10X11_R18_3HOLE_15 links	1	38	Electrical	Plastic	Amazon		
X_CABLE_CHAIN_10X11_R18_3HOLE_14 links	1	38	Electrical	Plastic	Amazon		X Axis cable chain uses one fixed end link. Reverse last link near toolhead to keep chain parallel.
Micro Switch - X Endstop	1	2	Electrical		Onetwo3D	Aliexpress	I recommend using sensorless homing
M5X25_SHCS	1	16	Fastener	Steel	Orbital		M5 Socket Head Cap Screw 25mm Long
M5X10_BHCS	6	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 10mm Long
M5X10_FHCS	3	6	Fastener	Steel	Orbital		M5 Flat Head Cap Screw 10mm Long
M3X45_SHCS	3	9	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 45mm Long
M3X25_SHCS	1	1	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 25mm Long
M3X16_SHCS	1	16	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 16mm Long
M3X14_SHCS	2	2	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 14mm Long
M3X12_SHCS	2	4	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 12mm Long
M3X10_SHCS	8	44	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 10mm Long
M3X10_FHCS	2	29	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 10mm Long
M3X8_SHCS	4	14	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 8mm Long
2020 T-nut M5	12	58	Fastener	Steel	Amazon	Aliexpress	
2020 T-nut M3	8	44	Fastener	Steel	Amazon	Aliexpress	
M5_SHIM_8X5X1	2	14	Fastener	Steel		Aliexpress	Shim - 8mm OD x 5mm ID x 1mm L
M3x5x4 heatset-Insert	5	48	Fastener	Brass	Amazon	Aliexpress	Brass Heat Insert - M3 x 5.0mm (OD) x 4.0mm (L)
RATRIG TOOLHEAD V1.0 BETA (modded)							
RR_TOOLHEAD_PLATE_ORBITER/RAPIDO	1	1	Frame/Motion	3mm Aluminium	Ratrig	Prusament	
RR_TOOLHEAD_FRONT_MOD	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
RR_TOOLHEAD_BACK_TICTAC	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
RR_TOOLHEAD_SHROUD_V1	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
RR_TOOLHEAD_DUCT_V5	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
RR_TOOLHEAD_BELT_TENSIONER	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
TOOLHEAD_X_CABLE_CHAIN_MOUNT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
RR_TOOLHEAD_X_ENDSTOP_PLATE	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
RR_TOOLHEAD_FAN_GRILL	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
FAN 4010 24V (Hotend Cooling)	1	2	Electrical		Onetwo3D		
PART_FAN_4028	1	1	Electrical			Ratrig	
PHAETUS_RAPIDO_UHF	1	1	Electrical		Jake3D	Ratrig	
LDO_ORBITER_2.0	1	1	Electrical		Jake3D	Ratrig	
SuperPinda Probe	1	1	Electrical			Ratrig	Ratrig great reference material when it comes to wiring
PTFE Tube - 24.5mm	1	1		PTFE			
M3X50_FHCS	2	2	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 50mm Long
M3X45_SHCS	2	9	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 45mm Long
M3X40_SHCS	3	3	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 40mm Long
M3X16_SHCS	6	16	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 16mm Long

TicTac_2.1_BOM

M3X8_SHCS	4	14	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 8mm Long
M3X6_FHCS	4	5	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 6mm Long
M3X5_SET SCREW	1	1	Fastener	Steel	Orbital		M3 Set Screw 5mm Long - Used to lock the Probe.
M2.5X6_FHCS	4	4	Fastener	Steel	Orbital		M2.5 Flat Head Cap Screw 6mm Long - Used to fix Rapido heatsink to toolhead plate.
Heatset-Insert 3x4.6x4 (RR Spec)	17	17	Fastener	Brass	Amazon	Aliexpress	Brass Heat Insert - M3 x 4.6mm (OD) x 4.0mm (L)
ARMOR PANELS							
Z_ARMOR_A	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_ARMOR_B	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Z_CABLE_CHAIN_LOWER_LINK	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
ZY_ARMOR_FRONT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
Y_ARMOR_LEFT	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
M3x10_FHCS	22	29	Fastener	Steel	Orbital		M3 Flat Head Cap Screw 10mm Long
2020 T-nut M3	22	44	Fastener	Steel	Amazon	Aliexpress	
SPOOL MANAGEMENT							
SPOOL HOLDER_ARM_A	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
SPOOL HOLDER_ARM_B	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
SPOOL_SLIDE	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
M5X25_SHCS	2	16	Fastener	Steel	Orbital		M5 Socket Head Cap Screw 25mm Long
M5X16_BHCS	4	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 16mm Long
M3X10_SHCS	2	44	Fastener	Steel	Orbital		M3 Socket Head Cap Screw 10mm Long
2020 T-nut M5	4	58	Fastener	Steel	Amazon	Aliexpress	
SQ_NUT_M5X7.9X2.6MM	2	7	Fastener	Steel	Orbital		Square Nut - M5 x 7.9mm OD x 2.6mm L
M3x5x4 heatset-Insert	2	48	Fastener	Brass	Amazon	Aliexpress	Brass Heat Insert - M3 x 5.0mm (OD) x 4.0mm (L)
PTFE_Tube_100mm	2	2		PTFE			
SPOOL GUIDE							
FILAMENT_GUIDE_FIXED	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
FILAMENT_GUIDE_SWIVEL	1	1	Printed	ABS,ASA,PETG	Jake3D	Prusament	Print Settings - 0.2LH, 4 Walls, 5 Top/Bottom Layers, 40% Infill.
PC4-M10 pneumatic coupling	1	1	Fastener		Amazon		
2020 T-nut M5	2	58	Fastener	Steel	Amazon	Aliexpress	
M5X16_BHCS	2	17	Fastener	Steel	Orbital		M5 Button Head Cap Screw 16mm Long
ELECTRICAL							
CABLE 0.75mm2 (AWG18)			Electrical		Onetwo3D	KB-3D	Voron and Ratrig have great reference material when it comes to wiring
CABLE 0.5mm2 (AWG20)			Electrical		Onetwo3D	KB-3D	Voron and Ratrig have great reference material when it comes to wiring
CABLE 0.25mm2 (AWG24)			Electrical		Onetwo3D	KB-3D	Voron and Ratrig have great reference material when it comes to wiring
PSU - 24V / 150W POWER BRICK			Electrical		Ebay	Prusa	Modifications will need to be made with the Prusa PSU, the DC connector is the wrong type.
PSU - 24V / 150W +			Electrical		Ebay	Ebay	Voron and Ratrig have great reference material when it comes to wiring
XT60 CONNECTOR (MALE)	1	1	Electrical		Amazon	Sparkfun	