SubAssy	Category	Item	Thumbnail	Part Name	Part Description	Make/Buy	QTY	Comment
Bondtech BMG parts								
HextrudORT_HotEnd_E3D	**BUY**	1		**Bondetech mini gears 1.75/5.0**	Included in BMG Internals Set for HextrudORT	**(BUY) KIT**	**1**	Gear set for filament size 1.75 mm, primary gear with inner diameter 5 r with two needle bearings,M3x2 setscrew and one 3 x 20 mm shaft.
HextrudORT_HotEnd_E3D	**BUY**	2		**Bondtech_Shaft_assembly**	Included in BMG Internals Set for HextrudORT	**(BUY) KIT**	**1**	Replacement Shaft assembly for our Bondtech Mini Geared (BMG), Sing DualDirect extruders. It includes the set screw for primary 1.75/5.0 drive gear.
HextrudORT_HotEnd_E3D	**BUY**	3		**Bondtech_Thumbscrew_assembly v1**	Included in BMG Internals Set for HextrudORT	**(BUY) KIT**	**1**	From BMG Extruder
HextrudORT_HotEnd_E3D	**BUY**	4		**TensionArm_Pin**	Included in BMG Internals Set for HextrudORT	**(BUY) KIT**	**1**	From BMG Extruder 3 X 20
HextrudORT_HotEnd_E3D	**BUY**	5		**PTFE Tube Retainer**	Included in BMG Internals Set for HextrudORT	**(BUY) KIT**	**1**	From BMG Extruder
HextrudORT_HotEnd_E3D	**BUY**	6a		**OPTION A: Bearing_MR85 (from BMG)**	Included in BMG Internals Set for HextrudORT	**(BUY) KIT**	**2***	**OPTION A** Use MR85 5x8x2.5 bearings from BMG *Qty1 bearing will be used in the carriage BOM.� Qty 1 required in this carriage = 2 for the printer
E3D V6 HextrudORT								
HextrudORT_HotEnd_E3D	**BUY**	6b		**OPTION B: Bearing_MR95_7804K105**	Bearing 5X9X3	**BUY**	**1***	**OPTION B** These are BIGGER bearings than the ones used in the BMG. �To be used with Back Plate and cover marked with "BB"
HextrudORT_HotEnd_E3D	**MAKE**	7		**PTFE_Guide**	Comes with BMG clones Any 2mm ID PTFE will do	**MAKE**	**1**	Make from 4mm OD PTFE tube: 1 - Using Xacto blade, create internal chamfer in one end. 2 - Cut that end into an arrow shape (try to match the angle from the He where the hobb gears meet. 3 - Insert into HextrudORT body and cut to match internal length of the
HextrudORT_HotEnd_E3D	**BUY**	8		**E3D HeatSink**	From Slice Engineering	**BUY**	**1**	Note: this HextrudORT config can also accomodate the Mosquito Magnu Magnum +.� BLTouch Bracket and Part Cooling Fan duct need to be mo Magnum +.
OptionA - E3DV6								
HextrudORT_HotEnd_E3D	**BUY**	9 - Option A		**E3D V6 HotEnd**	E3D or Clone	**BUY**	**1***	**Simply use this code when checking out :) : 10offe3d**
HextrudORT_HotEnd_E3D	**MAKE**	10(A1)		**V6 BLTouch support for: HD12**	3D Printed	**MAKE**	**1***	* Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	**MAKE**	10(A2)		**V6 BLTouch support for: STDHT MGN9**	3D Printed	**MAKE**	**1***	* Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	**MAKE**	10(A3)		**V6 BLTouch support for: STDHT MGN12**	3D Printed	**MAKE**	**1***	* Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	**MAKE**	10(A4)	To Come	**Volcano BLTouch support for HD9**	3D Printed	**MAKE**	**1***	Not Available Yet * Select BlTouch Bracket to fit your selected HextrudORT carriage.

OptionB- E3DVolcano							
HextrudORT_HotEnd_E3D	BUY	9 - Option B		E3D Volcano HotEnd	E3D or Clone	BUY	1*	**Simply use this code when checking out :) : 10offe3d**
HextrudORT_HotEnd_E3D	MAKE	10(B1)		Volcano BLTouch support for: HD12	3D Printed	MAKE	1*	* Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	MAKE	10(B2)		Volcano BLTouch support for: STDHT MGN9	3D Printed	MAKE	1*	* Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	MAKE	10(B3)		Volcano BLTouch support for: STDHT MGN12	3D Printed	MAKE	1*	* Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	MAKE	10(B4)	To come	Volcano BLTouch support for HD9	3D Printed	MAKE	1*	Not Available Yet * Select BlTouch Bracket to fit your selected HextrudORT carriage.
HextrudORT_HotEnd_E3D	BUY	10		bltouch	Z Probe sensor, BL touch	BUY	1	Better results will be obtained with OEM AntClabs BlTouch.
HextrudORT_HotEnd_E3D	HARDWARE	11		M3_Nut_94150A325	Nut, Hex - M3	BUY	5	
HextrudORT_HotEnd_E3D	HARDWARE	13		M3X25_CapScrew_92290A124	Screw, Cap - M3X25mm	BUY	1	
HextrudORT_HotEnd_E3D	HARDWARE	14		M3X20_CapScrew_92290A122	Screw, Cap - M3X20mm	BUY	3	
HextrudORT_HotEnd_E3D	HARDWARE	15		M3X6_CapScrew_92290A111	Screw, Cap - M3X6mm	BUY	2	
HextrudORT_HotEnd_E3D	MAKE	16		HextrudORT_TENSION_ARM	3D_Printed	MAKE	1	**NOTE !** Make sure your printer is well calibrated, these are small and precise par Recommended print settings: - 0.16 Layer height - Support interface: yes - Full fan at first support interfacing layer
HextrudORT_HotEnd_E3D	MAKE	17		HextrudORT_COVER	3D_Printed	MAKE	1	**NOTE !** For Big Bearings (MR95 5X9X2.5) use: HextrudORT_COVER_BB.STL For Bearing provided with BMG (MR85 5x8x2.5) use: HextrudORT_COVER.STL
HextrudORT_HotEnd_E3D	MAKE	18		HextrudORT_V6Holder	3D_Printed	MAKE	1	
HextrudORT_HotEnd_E3D	MAKE	19		HextrudORT_BODY_MOSQUITO	3D Printed	MAKE	1	**NOTE !** Make sure your printer is well calibrated, these are small and precise par Recommended print settings: - 0.16 Layer height - Support interface: yes - Full fan at first support interfacing layer