0.3mm | A | B

1

В

FRONT VIEW

				UNLESS OTHERWISE SPECIFIED:		NAME	DATE	PROJECT: KPUPROJ0205 Water cooling for		
					DRAWN	МС	2022/04/01	Raise3D PRo2 printer		
			TOLERANCES: 0.3mm FRACTIONAL ±	CHECKED			TITLE:			
			ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±0.3	ENG APPR.			DIMENSIONS FOR WATER			
				THREE PLACE DECIMAL ±	MFG APPR.			COOLED HEAT-SINK FOR		
Г				INTERPRET GEOMETRIC	Q.A.			RAISE3D PRO2		
	CREATIVE COMMONS DRAWING THIS DRAWING IS RELEASED AS AN OPEN SOURCE DRAWING UNDER CREATIVE COMMONS LICENSE AND CAN BE FREELY REPRODUCED OR MODIFIED			TOLERANCING PER: MATERIAL: Aluminium or Copper	SIZE DWG. NO.			SIZE DWG. NO. REV KPUPROJ0205_01_A		
DI	ISCLAIMER IIS DESIGN IS NOT OFFICIALLY NDORSED BY RAISE3D. USE AT YOUR WN RISK. WE ACCEPT NO LIABILITY			FINISH				$\mathbf{A} \approx 0.000000 \pm 0.0000000 = 0.00000000000000$		
		APPLIC	CATION	DO NOT SCALE DRAWING				SCALE: 1:1 WEIGHT: SHEET 1 OF 3		

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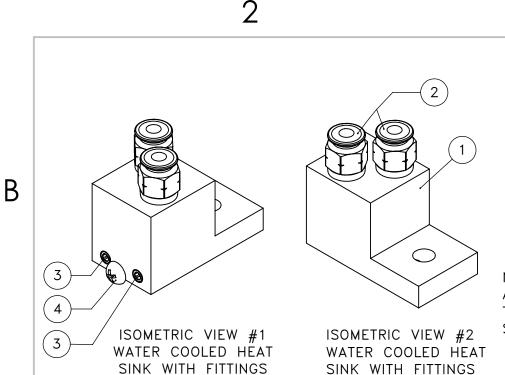
2							1	
ToolsRequired: (Cutting tools)a)Table Saw (We use a Dewalt arbor)withb))non-ferrousmetal cutting blockSBNF-10010010-Inch100Tooth5/8-InchArbor for Aluminumc)A1/2sawsled(custom(Measuring tools) d)Measuring tape e)e)Vernier calipersf)Scribe g)Hammer h)Hand punch i)Ruler(Drilling tools) j)j)Drill press k)#3starter drill bit	ade (we used an Oshlun TCG Saw Blade with d Non Ferrous Metals).	sc sc cc Pu OI é th	2) (QTY 1 rew 3) (QTY 1 4) (QTY 2 5) (QTY 2 5) (QTY 2 5) (QTY 2 5) (QTY 2 5) (QTY 2 5) Loctite 6) Loctite read lock) 22) 6-) 8- 2) 10 2) 1/ (McM onne 246 ker (thic	2mm x2 -32 x -32 x -24 x 28 MNP aster c ct Tube mediu applied k alum	5mm -1/4' 1/4 s 1/4 s T to 4 arr 76 Fitting m stre to all	:: x42mm aluminum block "Ig pan-head Philips set screw 18-8SS set screw 18-8SS mm press fit tube 510N112_Universal-Thread g 1/8-27 mnpt to 4mm ength high temperature screws) tide tape (see McMaster	В
I) #29 drill bit m)#8-32 tap n) #25 drill bit or 5/32 drill bit o) 10-24 tap p) #36 drill bit q) 6-32 tap r) Size Q drill bit s) 1/8-27 tap t) Vise to hold part while drilling u) #2 Philips screw v) Allan keys CREATIVE COMMONS DRAWING U) #2 Philips screw v) Allan keys CREATIVE COMMONS DRAWING U) #2 Philips screw v) Allan keys	UNLESS OTHERWI DIMENSIONS ARE I TOLERANCES: 0.3r FRACTIONAL± ANGULAR: MACH TWO PLACE DECI THREE PLACE DEC INTERPRET GEOMETE TOLERANCING PER: MATERIAL: Aluminiu FINISH	IN mm nm MAL ±0.3 HMAL ±	DRAWN CHECKED ENG APPR. MFG APPR. Q.A. COMMENTS:	MC	DATE 2022/04/01	Raise3 TITLE: SIZE C A K	CT: KPUPROJ0205 Water cooling for 3D PRo2 printer PARTS LIST DWG. NO. CPUPROJ0205_01_A	A
ENDORSED BY RAISE3D, USE AT YOUR OWN RISK, WE ACCEPT NO LIABILITY	APPLICATION DO NOT SCALE	DRAWING				SCALE	: 1:1 WEIGHT: SHEET 2 OF 3	ļ

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ITEM NO.				
1	HEATSINK MAIN BODY (COPPER OR ALUMINUM)	1		
2	1/8-27 MNPT TO 4mm OD Universal-Thread Push-to- Connect Tube Fitting	2		
3	10-24 x 1/8" LG 18-8 Stainless Steel Cup-Point Set Screw	3	В	
4	6-32 x 1-1/4" PAN HEAD PHILLIPS SCREW HEAD	1		

NOTES:

 A) APPLY LOCTITE 246 (HIGH TEMPERATURE MEDIUM STRENGTH THREADLOCKER) TO ALL THREADED FITTINGS, SCREWS, AND SETSCREWS PRIOR TO INSERTION. LET STAND 24HOURS PRIOR TO LEAK TESTING.

B)IF LEAK TEST FAILS ONLY AT THREADS, RETRY AGAIN WITH LOCTITE 246.

C) IF LEAK TEST FAILS A 2ND TIME AT THREADS, THEN TRY APPLYING HIGH TEMPERATURE RTV SILICONE AROUND THREADS OF FAILED FITTING AND RETRY

		UNLESS OTHERWISE SPECIFIED:		NAME DATE		PROJECT: KPUPROJ0205 Water cooling for			
		DIMENSIONS ARE IN mm	DRAWN	МС	2022/04/01	Raise3D PRo2 printer			
		TOLERANCES: 0.3mm FRACTIONAL ±	CHECKED			TITLE:			
		ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±0.3	ENG APPR.			ASSEMBLY DRAWING OF			
		THREE PLACE DECIMAL ±	MFG APPR.			HEAT-SINK AND THREADED			
		INTERPRET GEOMETRIC	Q.A.			FITTINGS			
CREATIVE COMMONS DRAWING THIS DRAWING IS RELEASED AS AN OPEN		TOLERANCING PER:	COMMENTS:						
SOURCE DRAWING UNDER CREATIVE COMMONS LICENSE AND CAN BE FREELY REPRODUCED OR MODIFIED		MATERIAL: Aluminium or Copper				SIZE DWG. NO. REV KPUPROJ0205_01_A			
DISCLAIMER THIS DESIGN IS NOT OFFICIALLY		FINISH				$\mathbf{A} \approx 0.00000 - 0.0000 - 0.00000 - 0.00000000$			
ENDORSED BY RAISE3D. USE AT YOUR OWN RISK. WE ACCEPT NO LIABILITY	APPLICATION	DO NOT SCALE DRAWING	_			SCALE: 1:1 WEIGHT: SHEET 3 OF 3			

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