

ENGIN492, Senior Design Weekly Meeting #6

Meeting Minutes

03/4/2021 10:00 – 10:30

CM/TM: Dr. Honggang Zhang

Students: Zhuoming Huang, Alinson Sanquintin, Lucas Lomba

- **Agenda**

1. PCB design order info
2. 3D prints
3. OptiTrack and M3-316
4. Samples with environmental noise

- **Notes**

1. PCB
 - a. ordered from OSH PARK
 - b. 3 copies for \$20.80

OSH PARK

ABOUT US

SERVICES

SUPPORT

SHARING

ZHUOMING.HUAN...

About your board

We detected a 2 layer board of 3.46 x 1.21 inches (87.8 x 30.6mm)
3 boards will cost \$20.80

Board name

multictr_gerber_drill

Description

Enter a short description of your project

Notes

Processing information

- Processing multictr_gerber_drill.zip as KiCad ZIP file.
- Removed blank or invalid drill file. multictr_filled-NPTH.drl.
- 2 layer board of 3.46x1.21 inches.

Top

Bottom

3D

Gerber

2. OptiTrack
3. Flight test facilities
 - a. Canopy frame
 - b. Foam mat
 - c. Drone drop-in Net

Item	Size	Unit Price	Qty	Price	Notes
Canopy frame	10'x10'	\$109	1	\$109.00	https://www.homedepot.com/p/Everbilt-10-ft-x-10-ft-Grey-InstantCanopy-Pop-Up-Tent-NS-CLIA-100-G/309982613
Foam mat	2'x2'x6 = 24 sq. ft.	\$20.85	4-5	\$83.40-104.25	https://www.homedepot.com/p/Ottomanson-Multi-Purpose-Black-24-inx-24-in-EVA-Foam-Interlocking-Anti-Fatigue-Exercise-Tile-Mat-6-PackEFM-24-Black/302692940
Drop-in net	35'x10'x10'	\$239.99	1	\$239.99	https://www.networksports.com/industrial-equipment/drone-uav-netting/drone-uav-enclosure-drop-in-net.html
(optional nets)	20'x10'x9'	\$239.99			Somehow prices for 20x10x9 and 35x10x10 are same
	10'x10'x10'	\$147.99			
Total				\$432.39-453.24	

- **List of Actions**

- **Preliminary Agenda for Next Meeting**