

Capstone Design

Combined BOM and Manufacturing Plan - Template

Indented Bill of Materials (BOM)			Manufacturing Plan							Cost	
Part No. or Assy No.	Description	Quantity	Make or Buy?	Source (or Fabrication Location)	on Technique (if appl.)	Is the Drawing Avail.?	Is the Material Avail.?	Who will lead (Name)?	Target Completion Date	Unit Cost (\$)	Extended Cost (\$)
Full Assy 1											\$ -
	lens holder	4	make	3D printer		yes	yes	Wang	30-Mar		\$ -
	product packaging	4	make	3D printer		no	yes	Wang	10-Apr		\$ -
Subassembly 1-Plan B											\$ -
	PD circuit										\$ -
Part 1	TIA module	1	buy	onilne			yes	Dai	30-Mar	\$ 12.00	\$ 12.00
Part 2	Plano-convex lens-D=20mm F=25mm	1	buy	onilne			yes	Dai	30-Mar	\$ 15.00	\$ 15.00
	D=15mm F=25	1	buy	onilne			yes	Dai	30-Mar	\$ 15.00	\$ 15.00
Part 3	450nm Band-pass filter	1	buy	onilne			yes	Dai	30-Mar	\$ 20.00	\$ 20.00
Part 4	Active low-pass filter	1	buy	onilne			yes	Dai	30-Mar	\$ 30.00	\$ 30.00
Part 5	Photodiode BPx61	1	buy	onilne			yes	Dai	30-Mar	\$ 10.00	\$ 10.00
Subassembly 2-Plan B											\$ -
	LED circuit										\$ -
Part 6	CMOS inverter-74HC14	1	buy	onilne			yes	Dai	30-Mar	\$ 0.57	\$ 0.57
Part 7	LED	1	buy	onilne			yes	Dai	Purchased	\$ 10.00	\$ 10.00
Part 8	Resister, Capacitor	1	buy	onilne			yes	Dai	Purchased	\$ 0.50	\$ 0.50
Total BOM Cost										\$	113.07