

# Propteus BOM

## Base Configuration

Qty	Item	Digikey#
1	PCB	n/a
1	DIP-40 socket	3M5471-ND
1	DIP-8 socket	3M5473-ND
3	Three 12 pin male headers or 3x12M	SAM1035-07-ND
1	7 pin male prog header	SAM1035-07-ND
1	4 pin female short header	SAM1086-02-ND
2	2 pin male header	SAM1035-02-ND
1	2 pin shunt	WM23944-ND
1	SPDT mini slide switch	CKC5124-ND
1	Momentary SPST switch	P8007S-ND
1	LED Red for power indicator	754-1201-ND
4	LED Green user indicators	67-1127-ND
1	5MHz Crystal	X410-ND
1	AS2810 or LM1117 3.3 Vreg	LM1117T-3.3-ND
1	1N4007 protection diode	1N4007FSCT-ND
5	270R resistors	270EBK-ND
1	10K resistor for reset switch	CF1/810KJRCT-ND
2	33uF electrolytic capacitor	P10320-ND
3	100nF ceramic capacitors	490-3873-ND

## Option A – Short Headers: Baseboard configuration

Qty	Item	Digikey#
1	2x20 Female standard header	SAM1086-20-ND
2	1x10 Female standard header	SAM1122-10-ND

## Option B – Stacking Headers: add-on configuration

Qty	Item	Digikey#
1	2x20 Female Stacking header	n/a
2	1x10 Female Stacking header	n/a

## Option C – Propeller + EEPROM

Qty	Item	Digikey#
1	DIP-40 Propeller P8X32	P8X32A-D40-ND
1	DIP-8 24L256 EEPROM	24LC256-I/P-ND