

SolBrdG2

Components					
Mouser Part#		Price	Qty	Ext. Price	Price quoted at qty
649-68000-408HLF	1x8 pin 100 mil header	\$0.19	1	\$0.19	10
571-6404544	1x4 pin 100 mil header (shrouded)	\$0.12	1	\$0.12	10
538-35317-0620	2x3 pin 4.2mm Molex header	\$0.16	1	\$0.16	10
942-IRL530NPBF	IRL530 MOSFET	\$0.83	4	\$3.34	10
534-1285	.187 Quick Disconnect	\$0.12	1	\$0.12	10
603-CFR-12JR-5210K	10K Resistor	\$0.02	4	\$0.08	100
			Comp Cost =	\$4.01	
Connectors					
538-22-01-2047	1x4 100 mil housing	\$0.13	1	\$0.13	10
538-08-52-0123	100 mil terminals	\$0.09	4	\$0.37	100
538-39-01-2025	2x3 pin 4.2mm Molex housing	\$0.59	1	\$0.59	10
538-39-00-0039	4.2 mm Molex terminals	\$0.14	6	\$0.81	10
			Conn Cost =	\$1.91	
			Total Wing Cost =	\$5.91	

InputOnly

Components		Note: This does not require a board but is simply a connector soldered to the PSoC 4200 board.			
Mouser Part#		Price	Qty	Ext. Price	Price quoted at qty
571-6404548	1x8 pin 100 mil header (shrouded)	\$0.27	1	\$0.27	10
			Comp Cost =	\$0.27	
Connectors					
538-22-01-2047	1x8 100 mil housing	\$0.32	1	\$0.32	10
538-08-52-0123	100 mil terminals	\$0.09	8	\$0.74	100
			Conn Cost =	\$1.06	
			Total Wing Cost =	\$1.33	

IncandBrdG2

Components					
Mouser Part#		Price	Qty	Ext. Price	Price quoted at qty
649-68000-408HLF	1x8 pin 100 mil header	\$0.19	1	\$0.19	10
571-6404548	1x8 pin 100 mil header (shrouded)	\$0.27	1	\$0.27	10
512-2N7000TA	60V, 200mA N Channel MOSFET	\$0.09	8	\$0.75	100
603-CFR-12JR-5210K	10K Resistor	\$0.02	8	\$0.15	100
538-35317-0220	2x1 pin 4.2mm Molex header	\$0.12	1	\$0.12	10
534-1285	.187 Quick Disconnect	\$0.12	1	\$0.12	10
			Comp Cost =	\$1.60	
Connectors					
538-22-01-2047	1x8 100 mil housing	\$0.32	1	\$0.32	10
538-08-52-0123	100 mil terminals	\$0.09	8	\$0.74	100
538-39-01-2025	2x1 pin 4.2mm Molex housing	\$0.33	1	\$0.33	10
538-39-00-0039	4.2 mm Molex terminals	\$0.14	6	\$0.81	10
			Conn Cost =	\$2.19	
			Total Wing Cost =	\$3.79	

InpBrdG2

Components					
Mouser Part#		Price	Qty	Ext. Price	Price quoted at qty
649-68000-408HLF	1x8 pin 100 mil header	\$0.19	1	\$0.19	10
571-6404546	1x6 pin 100 mil header (shrouded)	\$0.20	1	\$0.20	10
571-6404544	1x4 pin 100 mil header (shrouded)	\$0.12	1	\$0.12	10
603-CFR-25JR-52470R	470 Ohm Resistor	\$0.01	3	\$0.04	100
			Comp Cost =	\$0.55	
Connectors					
538-22-01-2067	1x6 100 mil housing	\$0.18	1	\$0.18	10
538-22-01-2047	1x4 100 mil housing	\$0.13	1	\$0.13	10
538-08-52-0123	100 mil terminals	\$0.09	10	\$0.92	100
			Conn Cost =	\$1.24	
			Total Wing Cost =	\$1.79	

IntfBrdG2

Components					
Mouser Part#		Price	Qty	Ext. Price	Price quoted at qty
649-68000-404HLF	1x4 pin 100 mil header	\$0.22	1	\$0.22	10
571-6404544	1x4 pin 100 mil header (shrouded)	\$0.12	1	\$0.12	10
603-CFR-25JR-52470R	470 Ohm Resistor	\$0.01	2	\$0.03	100
855-M20-9980446	2x4 pin 100 mil header	\$0.19	2	\$0.39	10
			Comp Cost =	\$0.76	
Connectors					
538-22-01-2047	1x4 100 mil housing	\$0.13	1	\$0.13	10
538-08-52-0123	100 mil terminals	\$0.09	4	\$0.37	100
	2x4 Ribbon crimp connector (FC-8P) (Bought in bulk)	\$0.50	2	\$1.00	10
			Conn Cost =	\$1.50	
			Total Wing Cost =	\$2.26	

SS3 Board Cost

Board Name	Comp Cost	Conn Cost	Qty	Ext. Cost	No Conn
Solenoid Boards	\$4.01	\$1.91	3	\$17.73	\$12.02
Input Only Boards	\$0.27	\$1.06	4	\$5.30	\$1.08
Incandescent Boards	\$1.60	\$2.19	6	\$22.76	\$9.62
Interface Boards	\$0.76	\$1.50	4	\$9.04	\$3.04
PSoC 4200 Boards	\$4.00	\$0.00	4	\$16.00	\$16.00
Mouser Shipping	\$5.00	\$0.00	1	\$5.00	\$5.00
Board Cost	\$20.00	\$0.00	1	\$20.00	\$20.00
Total Cost				\$95.83	\$66.75