

## SolBrdG2

<b>Components</b>					
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
538-39-28-1063	2x3 pin 4.2mm Molex header	\$0.85	1	\$0.85	10
512-FQP13N06L	FQP13N06L MOSFET	\$0.67	4	\$2.67	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 =	\$4.03	
<b>Connectors</b>					
538-22-01-2047	1x4 100 mil housing	\$0.13	1	\$0.13	10
538-08-52-0123	100 mil terminals	\$0.12	4	\$0.48	100
538-39-01-2065	2x3 pin 4.2mm Molex housing	\$0.60	1	\$0.60	10
538-39-00-0039	4.2 mm Molex terminals	\$0.14	6	\$0.81	10
			Conn Cost =	\$2.02	
			<b>Total Wing Cost =</b>	<b>\$6.05</b>	

InputOnly

<b>Components</b>		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	
<b>Connectors</b>					
538-22-01-2047	1x8 100 mil housing	\$0.41	1	\$0.41	10
538-08-52-0123	100 mil terminals	\$0.12	8	\$0.96	100
			Conn Cost =	\$1.37	
			<b>Total Wing Cost =</b>	\$1.64	

## IncandBrdG2

<b>Components</b>					
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
538-39-28-1023	2x1 pin 4.2mm Molex header	\$0.58	1	\$0.58	10
534-1285	.187 Quick Disconnect	\$0.12	1	\$0.12	10
			Comp Cost =	\$2.06	
<b>Connectors</b>					
538-22-01-2047	1x8 100 mil housing	\$0.32	1	\$0.32	10
538-08-52-0123	100 mil terminals	\$0.12	8	\$0.96	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	2	\$0.27	10
			Conn Cost =	\$1.88	
			<b>Total Wing Cost =</b>	<b>\$3.94</b>	

InpBrdG2

<b>Components</b>					
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	
<b>Connectors</b>					
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	\$0.12	10	\$1.20	100
			Conn Cost =	\$1.52	
			<b>Total Wing Cost =</b>	<b>\$2.07</b>	

## IntfBrdG2

<b>Components</b>					
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	\$0.20	2	\$0.41	10
			Comp Cost =	\$0.78	
<b>Connectors</b>					
538-22-01-2047	1x4 100 mil housing	\$0.13	1	\$0.13	10
538-08-52-0123	100 mil terminals	\$0.12	4	\$0.48	100
	2x4 Ribbon crimp connector (FC-8P) (Bought in bulk)	\$0.50	2	\$1.00	10
			Conn Cost =	\$1.61	
			<b>Total Wing Cost =</b>	<b>\$2.39</b>	

### SS3 Board Cost

Board Name	Comp Cost	Comp + Tax	Conn Cost	Conn + Tax	Qty	Ext. Cost	No Conn
Solenoid Boards	\$4.03	\$4.28	\$2.02	\$2.15	3	\$19.28	\$12.83
Input Only Boards	\$0.27	\$0.29	\$1.37	\$1.46	4	\$6.97	\$1.15
Incandescent Boards	\$2.06	\$2.19	\$1.88	\$1.99	6	\$25.10	\$13.15
Interface Boards	\$0.78	\$0.83	\$1.61	\$1.71	4	\$10.17	\$3.31
PSoC 4200 Boards	\$4.00	\$4.25	\$0.00	\$0.00	4	\$17.00	\$17.00
Mouser Shipping	\$5.00	\$5.00	\$0.00	\$0.00	1	\$5.00	\$5.00
Board Cost	\$20.00	\$20.00	\$0.00	\$0.00	1	\$20.00	\$20.00
Total Cost						\$103.52	\$72.44