

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template
	16	33.00mil (0.838mm)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c142h84
×	8	39.37mil (1.000mm)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c180h100
∇	25	42.91mil (1.090mm)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c169h109
O	4	102.36mil (2.600mm)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c430h260
\$	2	128.35mil (3.260mm)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c476h326
	55 Total							

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	12.60mil	4.8	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.5	
7	Bottom Overlay				

- PCB must be 0.030" thick +/- 10% Board Size: Electrical Test Coloring:

- Green Solder Mask Top

- Green Solder Mask Bottom
 White Silkscreen Top
 White Silkscreen Bottom
 Via annular ring clearance is 10mil minimum
 All holes are plated through holes

BADGERLOPP Shelby Riggleman P4_EL_HV_001_Battery_Breakbut_Rox_A
--

	ENGINEER: Shelby Riggleman PCB DESIGNER: Shelby Riggleman	hv_breakout.PcbDoc	
Badgerloop ERB Room 133	DATE: 1/28/2019	PART NO.: P4_EL_HV_001_Battery_Breakout	REV: Rev A
1400 Engineering Driv Madison, WI 53706	ve FILE NAME: hv_breakout.PcbDoc	DWG NO:	SCALE: 1:1

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	12.60mil	4.8	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.5	
7	Bottom Overlau				

PCB must be 0.030" thick +/- 10% Board Size: Electrical Test Coloring:

Green Solder Mask Top

Green Solder Mask Bottom White Silkscreen Top

White Silkscreen Bottom
Via annular ring clearance is 10mil minimum
All holes are plated through holes

Shelby Riggleman P4_EL_HV_001_Battery_Breakout_Rev_A

BADGER	Shelby Riggleman PCB DESIGNER: Shelby Riggleman	hv_breakout.PcbDoc	
Badgerloop ERB Room 133	DATE: 1/28/2019	PART NO.: P4_EL_HV_001_Battery_Breakout	REV: Rev A
1400 Engineering Drive Madison, WI 53706			SCALE:
	3	Δ	

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0.40mil	3.5	
3	Top Layer	Copper	1.40mil		
4	Dielectric 1	FR-4	12.60mil	4.8	
5	Bottom Layer	Copper	1.40mil		
6	Bottom Solder	Solder Resist	0.40mil	3.5	
7	Bottom Overlau				

PCB must be 0.030" thick +/- 10% Board Size: Electrical Test Coloring:

Green Solder Mask Top

Green Solder Mask Bottom White Silkscreen Top

White Silkscreen Bottom
Via annular ring clearance is 10mil minimum
All holes are plated through holes

BADGER	ENGINEER: Shelby Riggleman PCB DESIGNER: Shelby Riggleman	hv_breakout.PcbDoc	
Badgerloop ERB Room 133	DATE: 1/28/2019	PART NO.: P4_EL_HV_001_Battery_Breakout	REV: Rev A
1400 Engineering Drive Madison, WI 53706	FILE NAME: hv_breakout.PcbDoc	DWG NO:	SCALE: 1:1
			<u> </u>

