Rough calibration of current factors for IBT_2 motor board with 10k resistors on board. Data was captured using 12-volt sealed beam headlamps across the track. Power supply was adjusted to supply 13.4 volts DC, resulting in 12.8 volts to the tracks (no load – AC digital voltmeter reading of DCC).

	Α	В	С	D	Е	F	G	Н	I	J
1				Measurem	ents with	Pololu ACH	IS-7121			
2		% of 2218		Reported		Pin	zero	Pin Read	Current	mA
3		Trip Curre	nt	mA		Reading	base	less 512	26.4	factor/spec
4	H4703	967		2095	2.99	701	512	189	4981	
5		949		2057	2.99	688	512	176	4645	
6		943		2045	2.99	684	512	172	4539	
7										
8	H4656	818		1773	2.99	593	512	81	2138	
9		804		1743	2.99	583	512	71	1873	
10										
1										
12				Measured	with IBT_2	2 pins 5&6	- no resisto	or	7	factor guess
13	H4703	884		1916	2.99	641	0	641	4486	
14		928		2012	2.99	673	0	673	4710	
15										
16	H4656	401		870	2.99	291	0	291	2037	
۱7		438		950	2.99	318	0	318	2224	
18										
19				Measured	with IBT_2	2 pins 5&6	w/10K resi	stor to GND	10	factor guess
20	H4656	607		1315	2.99	440	0	440	4398	
21		637		1381	2.99	462	0	462	4619	
22										
23	H4656	266		577	2.99	193	0	193	1930	
24		291		630	2.99	211	0	211	2107	
25										
26										
27										
28								561	4300	
29									7.66	calc factor
30										
31								561	1677	
32										std motor shield
33			Halogen S	Sealed Bear	n					
34			Amps				Onboard	IBT_2		
35				V				volts	DC voltme	eter
36		H4703	4.2969		55			pins/volt		
37		spec	4.3					pins/2.74 v	olts	
38		H4656	2.7344		35					
39		spec	2.73							