

LED_PCB_cables.ods			07/10/2013												2 of 2	
CABLE ASSEMBLIES																
12	1	4 x 2 conn housing for LED PCB J2	2 x 4 0.1" x0.1" pitch connector housing	TE connectivity	87456-4	Mouser	571-874564	25	0	25	\$1.31	\$32.83	individual pieces	\$1.31		
13	1	1 x 2 conn housing for Roach2 P14	1 x 2 0.1" x 0.1" pitch connector housing	TE connectivity	87499-3	Digikey	A3011-ND	25	0	25	\$1.10	\$27.50	individual pieces	\$1.10		
14	1	7 x 2 conn housing for Roach2 P16	7 x 2 0.1" x 0.1" pitch connector housing	TE connectivity	1-87456-0	Digikey	A3036-ND	25	0	25	\$1.81	\$45.28	individual pieces	\$1.81		
15	1	5 x 2 conn housing for LED PCB J1	5 x 2 0.1" x 0.1" pitch connector housing	TE connectivity	87456-6	Digikey	A3034-ND	25	0	25	\$1.31	\$32.83	individual pieces	\$1.31		
16	1	10 x 2 conn housing for Roach2 P15	10 x 2 0.1" x 0.1" pitch connector housing	TE connectivity	102387-4	Digikey	A25904-ND	25	0	25	\$2.86	\$71.56	individual pieces	\$2.86		
17	14.42	black teflon coated 24 AWG stranded 250V hookup wire	For various length twisted wire assemblies; post twist lengths of 1 @ 16, 2 @ 15 and 5 @ 19"	Belden	83048 010100	Allied Elec	70003564	360.42	0	4	\$47.84	\$191.36	\$48/100 foot roll	\$6.90		
18	1.667	Orange teflon coated 24 AWG stranded 250V hookup wire	16" long after twist w/ black wire; estimate pretwist length at 20" or 1.67 ft	Belden	83048 003100	Allied Elec	70003568	41.667	0	1	\$47.84	\$47.84	\$48/100 foot roll	\$0.80		
19	3.5	Red teflon coated 24 AWG stranded 250V hookup wire	1 @ 15" and 1 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83048 002100	Allied Elec	70003565	87.5	0	1	\$47.84	\$47.84	\$48/100 foot roll	\$1.67		
20	3.5	Yellow teflon coated 24 AWG stranded 250V hookup wire	1 @ 15" and 1 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83003 004100	Allied Elec	70003396	87.5	0	1	\$48.76	\$48.76	\$49/100 foot roll	\$1.71		
21	1.583	White teflon coated 24 AWG stranded 250V hookup wire	1 @ 15" and 0 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83003 009100	Allied Elec	70003392	39.583	0	1	\$48.76	\$48.76	\$49/100 foot roll	\$0.77		
22	1.583	Green teflon coated 24 AWG stranded 250V hookup wire	1 @ 15" and 0 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83048 005100	Allied Elec	70003566	39.583	0	1	\$47.84	\$47.84	\$48/100 foot roll	\$0.76		
23	1.917	Brown teflon coated 24 AWG stranded 250V hookup wire	0 @ 15" and 1 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83048 001100	Allied Elec	70003570	47.917	0	1	\$47.84	\$47.84	\$48/100 foot roll	\$0.92		
24	1.917	Blue teflon coated 24 AWG stranded 250V hookup wire	0 @ 15" and 1 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83003 006100	Allied Elec	70003397	47.917	0	1	\$48.76	\$48.76	\$49/100 foot roll	\$0.93		
25	1.917	Violet teflon coated 24 AWG stranded 250V hookup wire	0 @ 15" and 1 @ 19" long after twist w/ black wire; estimate pretwist length at 19" and 23"	Belden	83048 001100	Allied Elec	70003570	47.917	0	1	\$47.84	\$47.84	\$48/100 foot roll	\$0.92		
26	36	crimp terminal for the above housings, both ends	22-26 awg crimp terminal 30 micro inch gold plating	TE connectivity	103171-5	Digikey	A25976-ND	900	0	900	\$0.40	\$360.62	individual pieces	\$14.42		
Please note: the two @ ~ 3" long twisted cable assemblies from the power and reset buttons to the LED PCB, as specified in the Roach2 enclosure BOM are used, with no modifications in these chassis																
Items RAL has already ordered and will provide to Digicom asap																
Post stuff and solder components																
1	1	screw to hold the LED PCB to the Roach2 enclosure's M2.5 thru hole threaded captive (or insert) standoff. Alternative solution uses #3-48 standoff and screw	#M2.5 0.45mm pitch 12.9 alloy steel socket head cap screw. Length 6mm	McMASTER-CARR	M2 0.45mm bag of 100 or if #3-48 insert used then #3-48: bag of 100:	McMASTER-CARR	M2.5 0.45mm: 91290A101 or if #3-48 insert used then :#3-48: 91251A092	0.01	0	0.01	\$0.13	\$0.00	Or is it #3-48 black oxide alloy steel socket head cap screw x 0.25" long for#3-48 captive nut ??? \$3.48 only \$6.04/100	\$0.13		
																\$60.86