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SC2088

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REVISIONS

LTR	DESCRIPTION	ZONE	ENG	DWG	DATE	APPROVED
-	INITIAL RELEASE		DHM			

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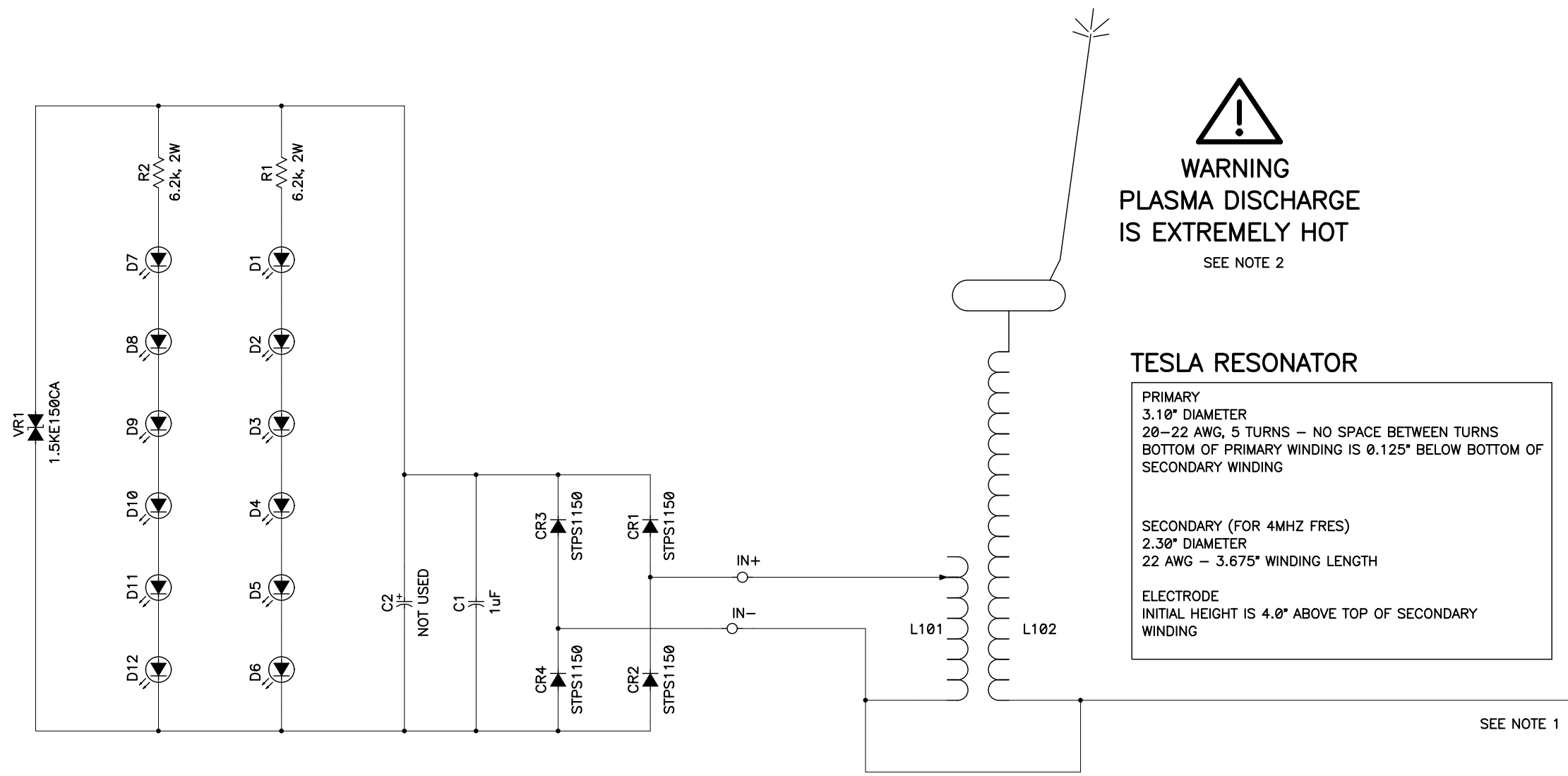
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**WARNING**  
**PLASMA DISCHARGE**  
**IS EXTREMELY HOT**  
 SEE NOTE 2

**TESLA RESONATOR**

PRIMARY  
 3.10" DIAMETER  
 20-22 AWG, 5 TURNS - NO SPACE BETWEEN TURNS  
 BOTTOM OF PRIMARY WINDING IS 0.125" BELOW BOTTOM OF SECONDARY WINDING

SECONDARY (FOR 4MHZ FRES)  
 2.30" DIAMETER  
 22 AWG - 3.675" WINDING LENGTH

ELECTRODE  
 INITIAL HEIGHT IS 4.0" ABOVE TOP OF SECONDARY WINDING

**SECONDARY MUST BE GROUNDED TO EARTH**  
**GROUNDED AT ALL TIMES FOR SAFETY AND TO**  
**PREVENT DAMAGE TO THE SECONDARY COIL.**

**ELECTRONIC KITS LIMIT OF LIABILITY**

OUR RANGE OF ELECTRONICS KITS ARE INTENDED FOR EDUCATIONAL AND DEMONSTRATION PURPOSES ONLY. THEY ARE NOT INTENDED FOR USE IN COMMERCIAL APPLICATIONS. IF THEY ARE USED IN SUCH APPLICATIONS, THE PURCHASER ASSUMES ALL RESPONSIBILITY FOR ENSURING COMPLIANCE WITH LOCAL LAWS. WHEN A PRODUCT IS SUPPLIED IN KIT FORM AND ASSEMBLY OR CONSTRUCTION HAS COMMENCED OR THE INNER COMPONENT PACKAGES HAVE BEEN OPENED, WE ARE UNABLE TO OFFER ANY FORM OF REFUND, REPLACEMENT, EXCHANGE, OR FREE REPAIR. THIS IS BECAUSE WE CANNOT GUARANTEE THE LABOR YOU PROVIDE AND COMPONENTS CAN BE DAMAGED DURING ASSEMBLY. COMPONENT PACKAGES SHOULD BE CHECKED AGAINST THE COMPONENTS LIST AND ANY SHORTAGES OR DAMAGED COMPONENTS MUST BE ADVISED TO US WITHIN 7 DAYS OF DELIVERY DATE TO ENSURE FREE COMPONENT PLACEMENT.

NOTES:

1. SECONDARY MUST BE GROUNDED TO EARTH GROUND THROUGH THE INCLUDED BLACK GROUND WIRE. THIS GROUND MUST ALSO BE JUMPERED TO THE IN- TERMINAL ON THE PCB BOARD. THIS IS USED FOR SAFETY. IT ENSURES THE SECONDARY COIL IS NOT FLOATING AND ALSO PREVENTS BREAK-OUT ON THE SECONDARY AT LOCATIONS OTHER THAN THE TOP ELECTRODE, THUS PREVENTING DAMAGE. IF THE WIRE IS NOT DESIRED, IT MAY ALSO BE FEASIBLE TO USE A COUNTERPOISE TYPE GROUND ARRANGEMENT USING A 6" X 6" COPPER OR SIMILAR METALLIC PLATE. THE SECONDARY AND BOARD WOULD THEN BE ATTACHED TO THE 6" X 6" PLATE.
2. DEPENDING ON THE TUNE, THERE MAY OR MAY NOT BE ANY VISIBLE BREAK-OUT ON THE TOP ELECTRODE. THIS IS NORMAL. HOWEVER JUST BECAUSE THERE IS NO VISIBLE BREAK-OUT, DOES NOT MEAN YOU CANNOT GET A BURN FROM THE ELECTRODE. AVOID TOUCHING ANY PORTION OF THE SECONDARY TO PREVENT BURNS - REGARDLESS IF BREAK-OUT IS VISIBLY PRESENT OR NOT.

TITLE  
 4MHZ WIRELESS ENERGY KIT  
 EASTERN VOLTAGE RESEARCH, LLC  
 www.EasternVoltageResearch.com

SIZE B	CAGE CODE IDENT NO.	DWG NO. SC2088	REV -
SCALE NTS	ACT WT	CALC WT	SHEET 1 OF 1

ACCEL CAD file: SC2088

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