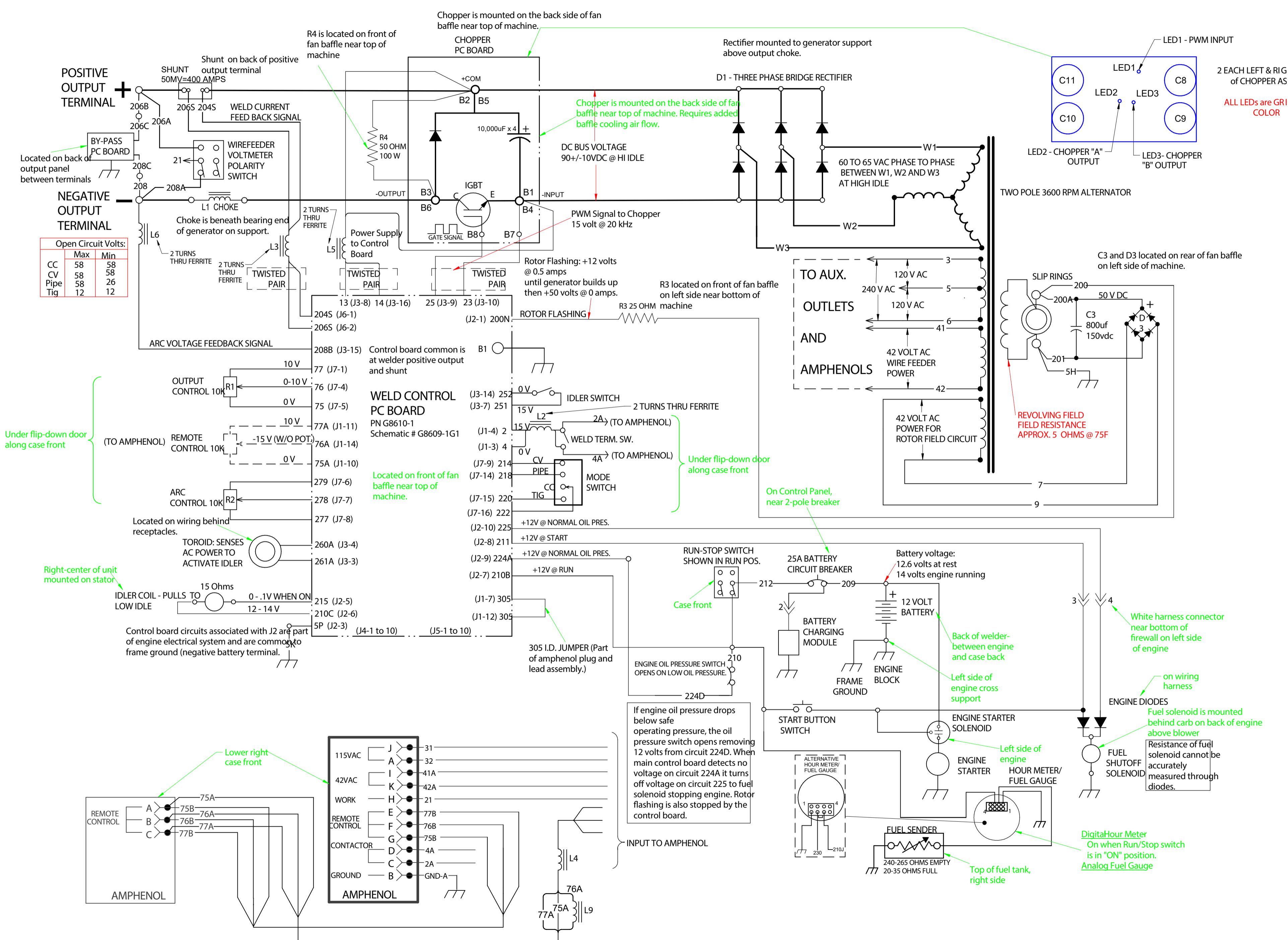
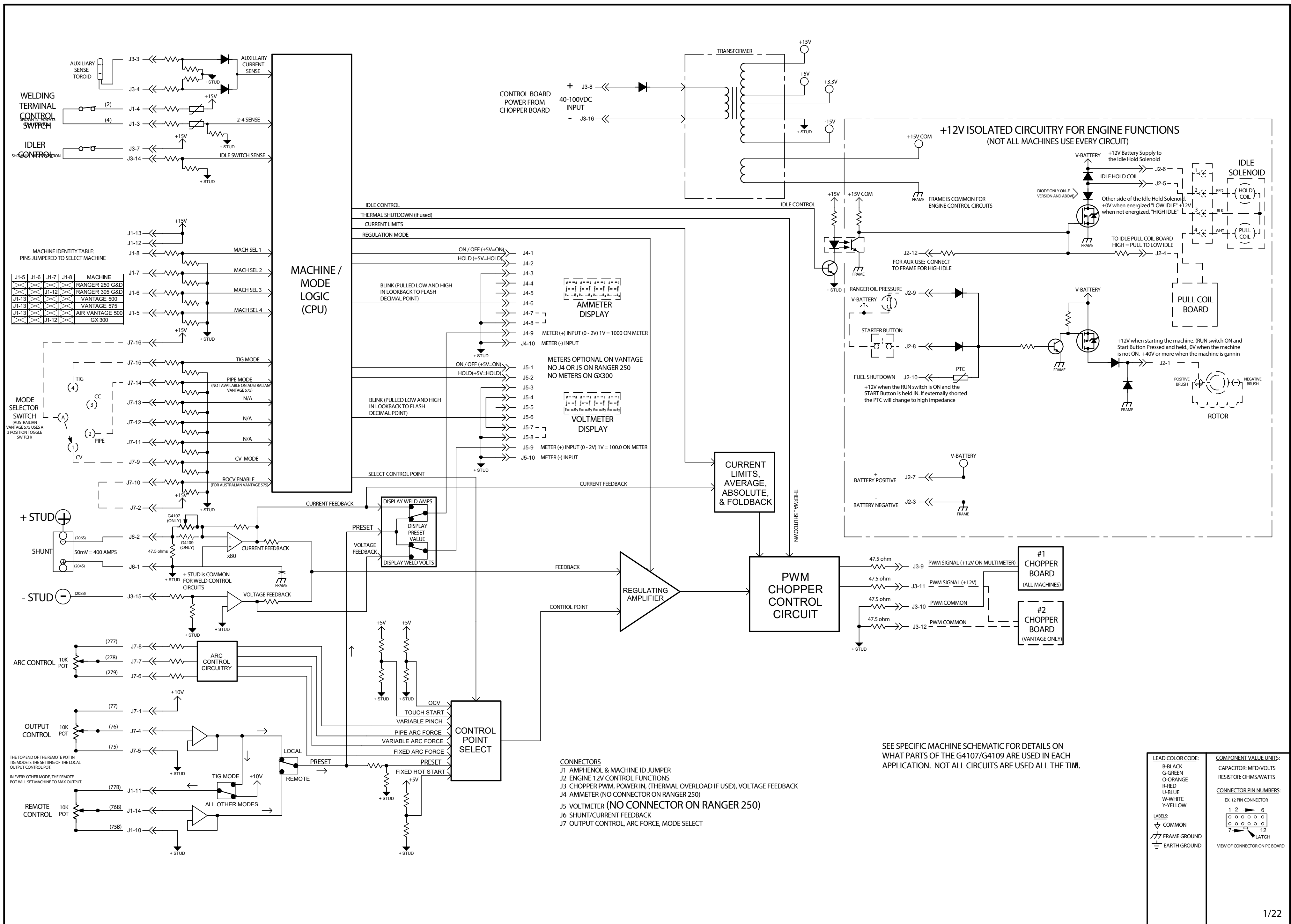


GX 300 MACHINE SCHEMATIC L15776-1 REV: A





MACHINE IDENTITY TABLE:
PINS JUMPERED TO SELECT MACHINE

J1-5	J1-6	J1-7	J1-8	MACHINE
X	X	X	X	RANGER 250 G&D
X	X	X	X	RANGER 305 G&D
X	X	X	X	VANTAGE 500
X	X	X	X	VANTAGE 575
X	X	X	X	AIR VANTAGE 500
X	X	X	X	GX 300

- CONNECTORS**
- J1 AMPHENOL & MACHINE ID JUMPER
 - J2 ENGINE 12V CONTROL FUNCTIONS
 - J3 CHOPPER PWM, POWER IN, (THERMAL OVERLOAD IF USED), VOLTAGE FEEDBACK
 - J4 AMMETER (NO CONNECTOR ON RANGER 250)
 - J5 VOLTMETER (NO CONNECTOR ON RANGER 250)
 - J6 SHUNT/CURRENT FEEDBACK
 - J7 OUTPUT CONTROL, ARC FORCE, MODE SELECT

SEE SPECIFIC MACHINE SCHEMATIC FOR DETAILS ON WHAT PARTS OF THE G4107/G4109 ARE USED IN EACH APPLICATION. NOT ALL CIRCUITS ARE USED ALL THE TIME.

LEAD COLOR CODE:	COMPONENT VALUE UNITS:
B-BLACK	CAPACITOR: MFD/VOLTS
G-GREEN	RESISTOR: OHMS/WATTS
O-ORANGE	
R-RED	CONNECTOR PIN NUMBERS:
U-BLUE	EX. 12 PIN CONNECTOR
W-WHITE	1 2 3 4 5 6
Y-YELLOW	7 8 9 10 11 12
LABELS:	VIEW OF CONNECTOR ON PCB BOARD
COMMON	
FRAME GROUND	
EARTH GROUND	