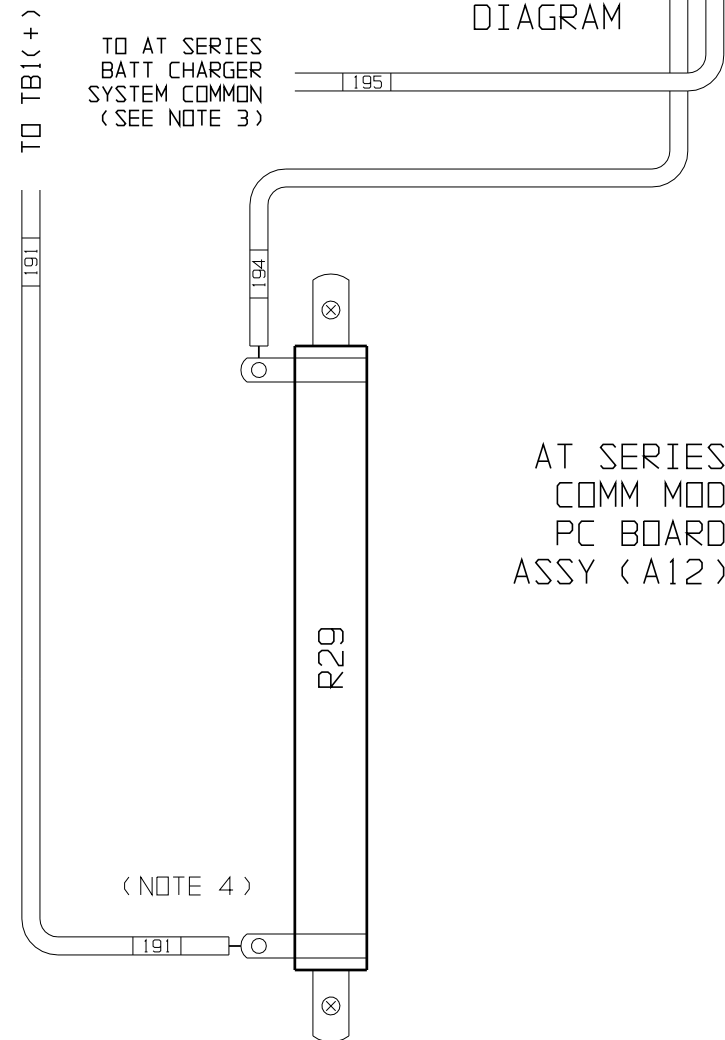


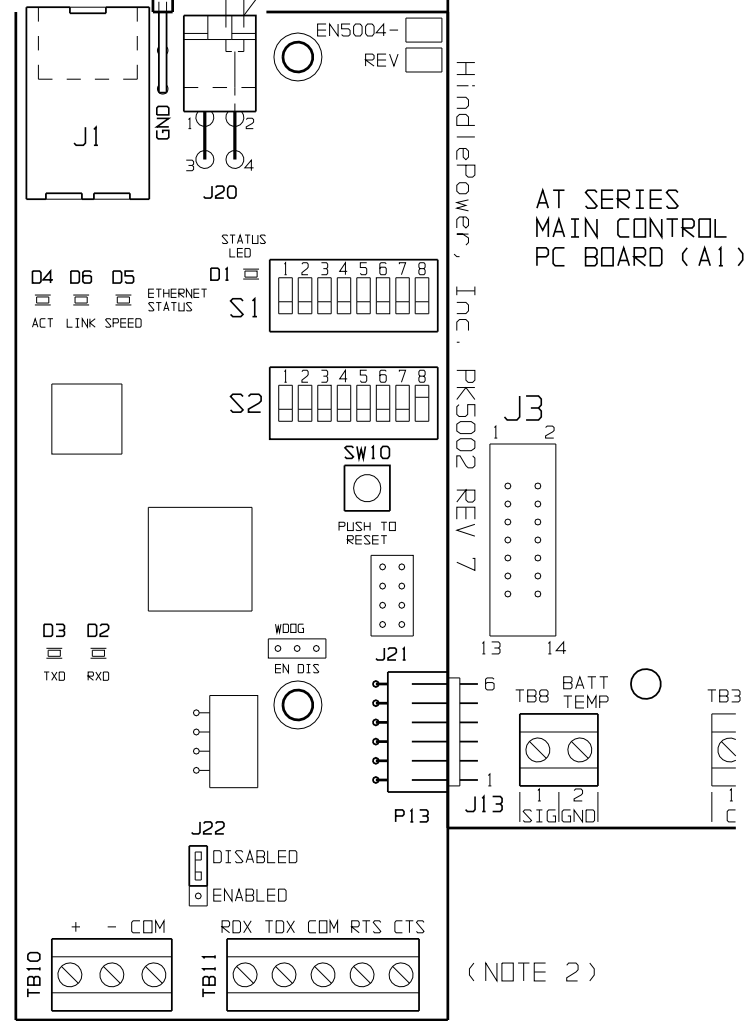
NOTES:

- 1) FOR COMPLETE MANUAL OF AT SERIES COMMUNICATIONS MODULE OPTION, SEE OPERATING INSTRUCTIONS: JA0102-04.pdf
- 2) SEE TABLE BELOW FOR USER CONNECTIONS.
- 3) WIRE #195 RUNS FROM A12-J20-4 TO AT SERIES BATT CHGR SYSTEM COMMON:
 AT10.1 G1: A3-E10
 AT10.1 G2: W2(-)
 AT30: R1-1(-)
- 4) LARGE 130Vdc POWER SUPPLY RESISTOR (R29) SHOWN. SMALLER 48Vdc, 24Vdc, AND 12Vdc VARIANTS MOUNT & WIRE ACCORDINGLY.

WIRING DIAGRAM

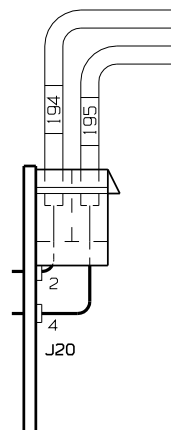


(NOTE 2)



FRONT VIEW FACING CHARGER COMPONENTS WHEN INSTALLED

SIDE VIEW OF PC BOARD

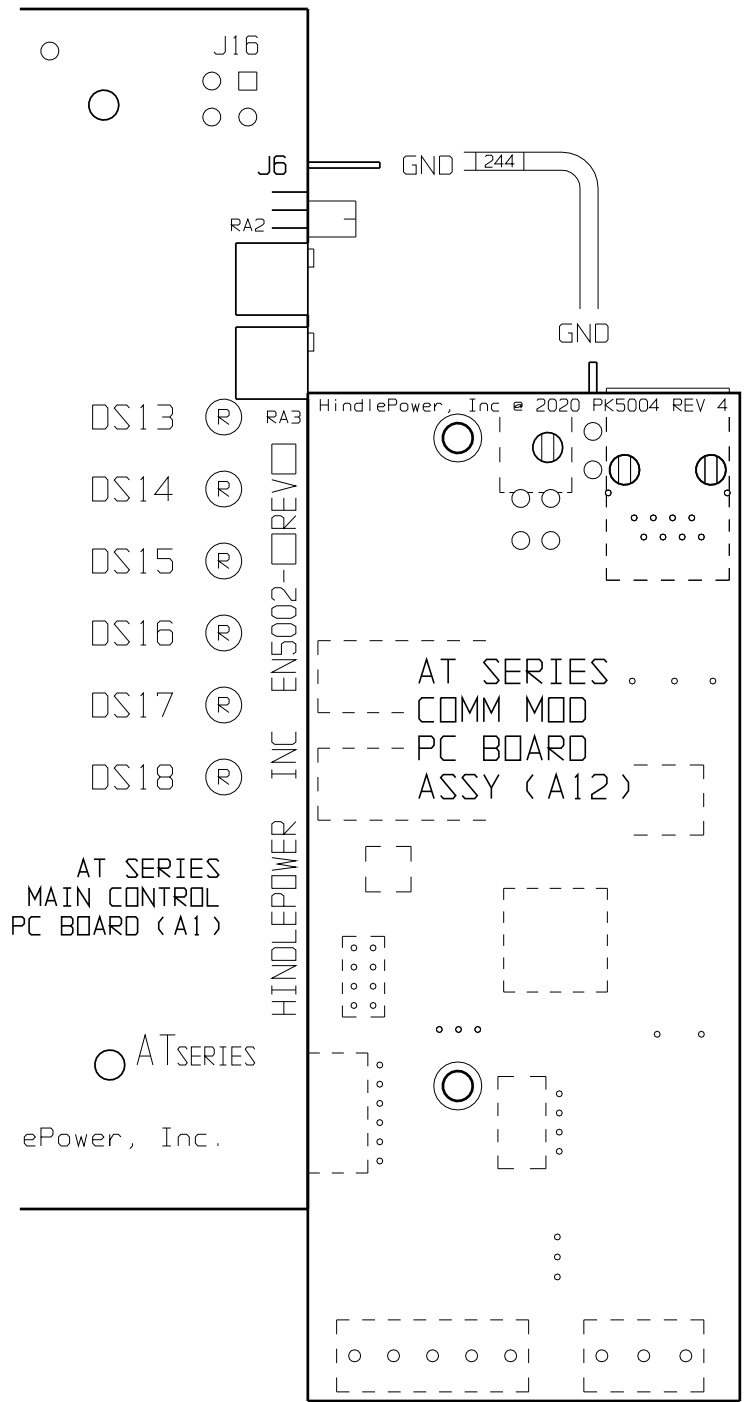


INDICATOR LIGHTS:

- D1 - STATUS LED, SPI COMM
 - D2 - RXD, SERIAL RECEIVE LED
 - D3 - TXD, SERIAL TRANSMIT LED
 - D4 - ACT, ETHERNET ACTIVITY LED
 - D5 - SPEED, ETHERNET 10/100 LED
 - D6 - LINK, ETHERNET STATUS LED
- JUMPERS / CONNECTORS:
- J20 - POWER SUPPLY CONNECTION
 - J21 - FACTORY CONNECTION
 - J22 - RS-485 TERMINATING RESISTOR (ENABLE/DISABLE)
 - P13 - PLUG FOR MAIN CONTROL PCB (A1) (J13 CONNECTION)

SWITCHES:

- S1 - CONFIGURATION SWITCHES
- S2 - MODBUS ADDRESS
- SW10 - RESET BUTTON



BACK VIEW FACING CHARGER DOOR WHEN INSTALLED

I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
TB10	RS-485 SERIAL TERMINALS - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
TB11	RS-232 SERIAL TERMINALS - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
J1	ETHERNET SERIAL TERMINAL - RJ45 SOCKET	CAT 5,6 UTP
GND	PC BOARD GROUND TERMINAL - SLIP-ON TAB	QC LUG

3	27477	070120	THIRD ANGLE PROJECTION	TITLE		AT SERIES BATT CHGR COMMUNICATIONS MODULE OPTION DETAIL (W/ETHERNET)		
2	22197	070110		DRAWN BY	MCR	051705	DRAWING No	
1	E2092	070805	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG		JE5107-20		REV	3
0	E2044	051705	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		SCALE		NTS	PART No
REV	ECN No	DATE			JE5107-20		SHEET	1 OF 1