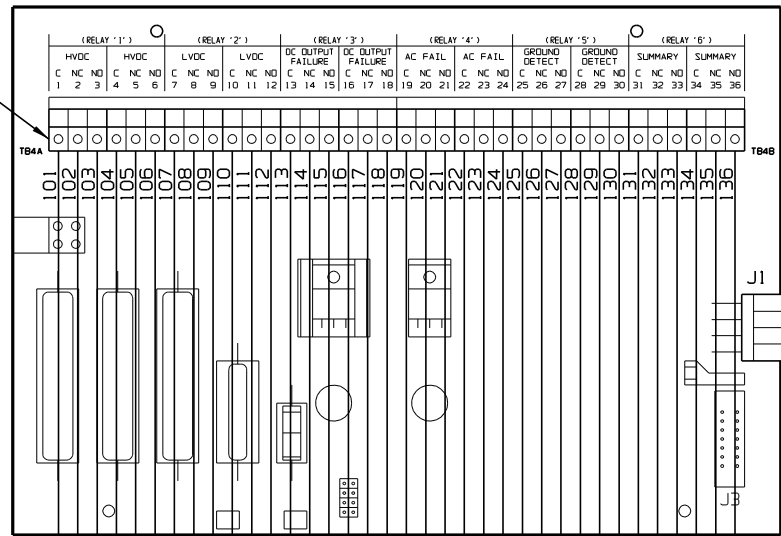


PART No.	TERMINAL BLOCKS
EJ5130-00	TB3-AUX
EJ5130-01	TB4-AUX
EJ5130-02	TB4A-AUX & TB4B-AUX
EJ5130-03	TB3-AUX W/100% SPARES

AUXILIARY ALARM RELAY PC BOARD (A5)

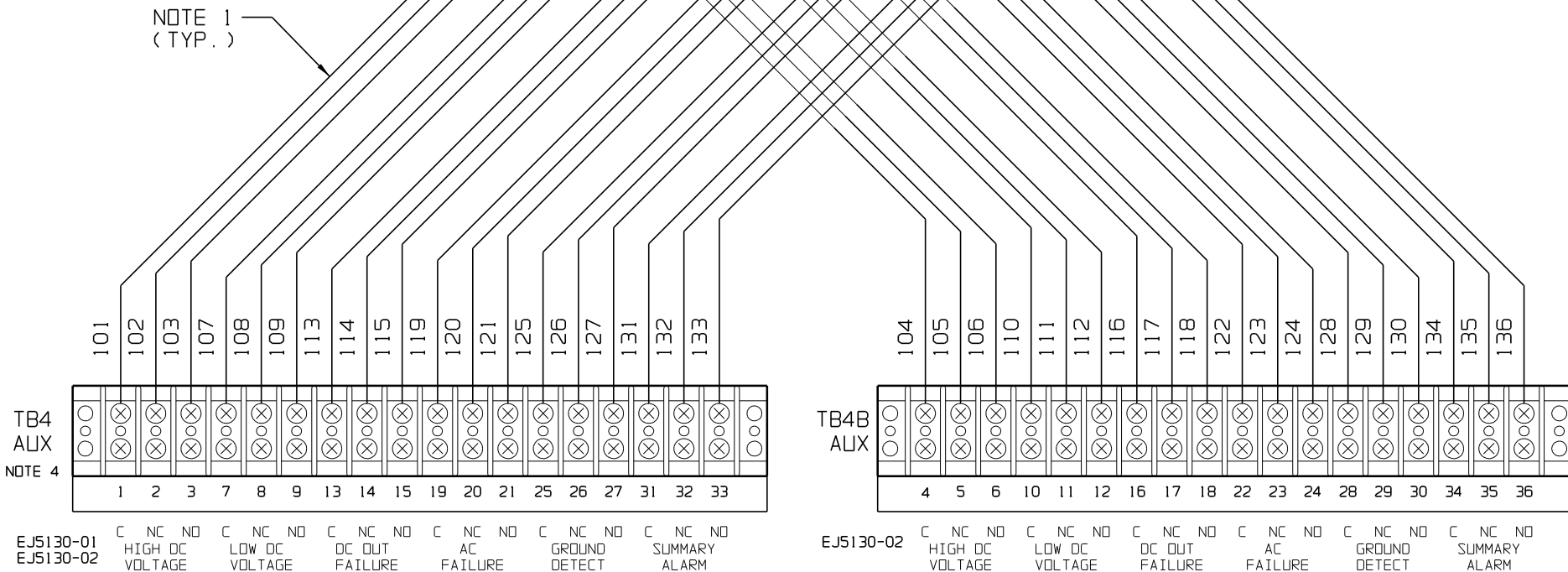
NOTE 2



BACKGROUND

The standard remote alarm terminal blocks (TB3/TB4) supplied with AT10.1 and AT30 Series battery chargers feature solderless plug-in terminals, accepting #18-14 AWG wire. With this option (EJ5130-##), an auxiliary alarm contact terminal block (TB3-AUX or TB4-AUX) is supplied external to the Main Control PC Board (A1) or Auxiliary Alarm Relay PC Board (A5) assemblies. These terminal blocks are supplied if the customer's remote alarm requirements exceed the specifications of the standard A1/A5 terminal blocks (TB3/TB4). Contacts on TB3-AUX and TB4-AUX are wired directly to contacts on TB3 and TB4, respectively.

NOTE 1 (TYP.)



Part No.	1	2	3	7	8	9	13	14	15	19	20	21	25	26	27	31	32	33
EJ5130-01	C	NC	NO	C	NC	NO	C	NC	NO	C	NC	NO	C	NC	NO	C	NC	NO
EJ5130-02	HIGH DC VOLTAGE	LOW DC VOLTAGE	DC OUT FAILURE	AC FAILURE	GROUND DETECT	SUMMARY ALARM												

Part No.	4	5	6	10	11	12	16	17	18	22	23	24	28	29	30	34	35	36
EJ5130-02	C	NC	NO	C	NC	NO	C	NC	NO	C	NC	NO	C	NC	NO	C	NC	NO
	HIGH DC VOLTAGE	LOW DC VOLTAGE	DC OUT FAILURE	AC FAILURE	GROUND DETECT	SUMMARY ALARM												

Part No.	1	2	3
EJ5130-00	C	NC	NO
	SUMMARY ALARM		

Part No.	1	2	3
EJ5130-03	C	NC	NO
	SUMMARY ALARM	(UNLABELED) 100% SPARE TERMINALS	

NOTE 3 (TYP.)

SPECIFICATION NOTES:

- AUXILIARY ALARM TERMINAL BLOCKS ARE CONNECTED TO PC BOARDS WITH #18 AWG BLACK XLP FLAME-RETARDANT SWITCHBOARD INSULATION SYSTEM (SIS) TYPE WIRING, IDENTIFIED ON EACH END WITH NUMBER-CODED MARKERS.
- STANDARD AT SERIES ALARM TERMINAL BLOCKS (TB3/TB4) ARE SOLDERLESS COMPRESSION TERMINALS, ACCEPTING #22-14 AWG WIRE. CONTACT RATING IS 0.5A @ 125VAC/DC.
- AUXILIARY ALARM TERMINAL BLOCKS (TB3-AUX/TB4-AUX) ARE "BARRIER" TYPE, WITH 6-32 BINDER HEAD SCREW TERMINALS, ACCOMMODATING LUGS FOR #16-14 AWG WIRE.
- WHEN TWO (2) FORM-C AUXILIARY CONTACTS ARE REQUIRED, LABEL TERMINAL BLOCKS "TB4A-AUX" AND "TB4B-AUX".

ASSEMBLY

CONTACT ENGINEERING WITH ANY MOUNTING QUESTIONS.

STYLE-586/594:

Mount TB3/4-AUX inside penthouse enclosure to top panel of main enclosure shroud, directly in front of A5 pc board.

STYLE-5017/5018:

Mount TB3/4-AUX onto right-side floor of galvanized base. Side panel of enclosure chassis may be used when standard location is taken up by ac input fuses.

STYLE-5030:

Mount TB3/4-AUX to phenolic strip (FB5016-##) featured in upper right-hand corner of charger assembly.

STYLE-163/98

Mount TB3/4-AUX to upper right-hand corner of main back panel (FE0412-30).

EJ5130-02

When two (2) form-C auxiliary contacts are required, use mounting bracket (FC0584-01) featured in BOM to off-set TB4A-AUX and TB4B-AUX, so user may easily connect to all contacts.

RC0053-##:

Use marking strips featured in BOM. Label TB4-AUX and/or TB3-AUX auxiliary remote alarm contacts as shown, "back-to-front" or "left-to-right" as required by enclosure.

WIRING

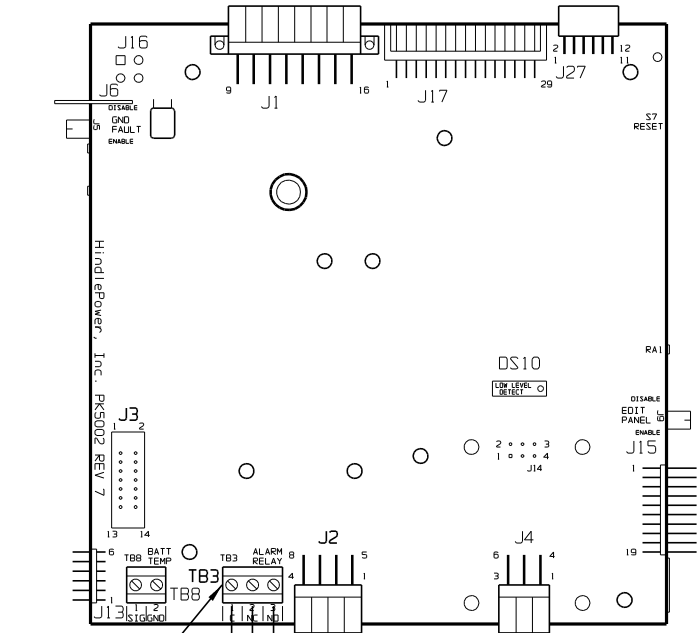
Reference wiring diagrams featured below. Make sure connecting terminal numbers (e.g. TB4-1 and TB4-AUX-1) are the same at each end of the connecting wires. Do not wire to any spare terminals.

TEST

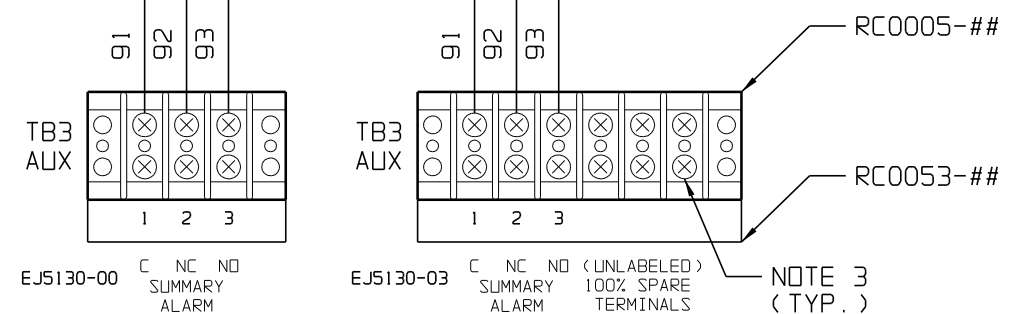
Check all wiring from A1/A5 to TB3-AUX/TB4-AUX. Use auxiliary terminal block(s) to check relay contact transfers for all alarms.

BACK VIEW - FACING CHARGER COMPONENTS WHEN INSTALLED

MAIN CONTROL PC BOARD (A1)



NOTE 2



3	22125	051810	ND	THIRD ANGLE PROJECTION
2	21565	031309	ND	
1	20439	120406	ND	DRAWN BY MCR 020306
0	20085	020306	MCT	APPROVED MCT 020606
REV	ECN No	DATE	APP	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

TITLE AT SERIES BARRIER TYPE AUX ALARM CONTACT TERMINAL BLOCKS (TB3-AUX/TB4-AUX)	
DRAWING No EJ5130-XX	REV 3A B
SCALE NTS	PART No EJ5130-## SHEET 1 OF 1