

4

3

2

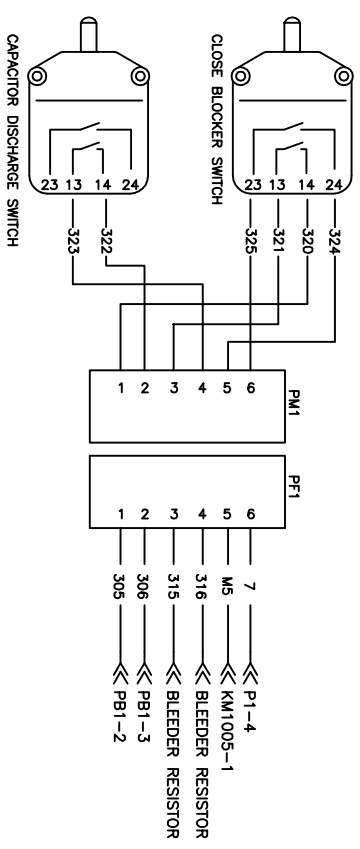
1

CIRCUIT BREAKER (a) AUX. CONTACTS

CIRCUIT BREAKER (a) AUX. CONTACTS

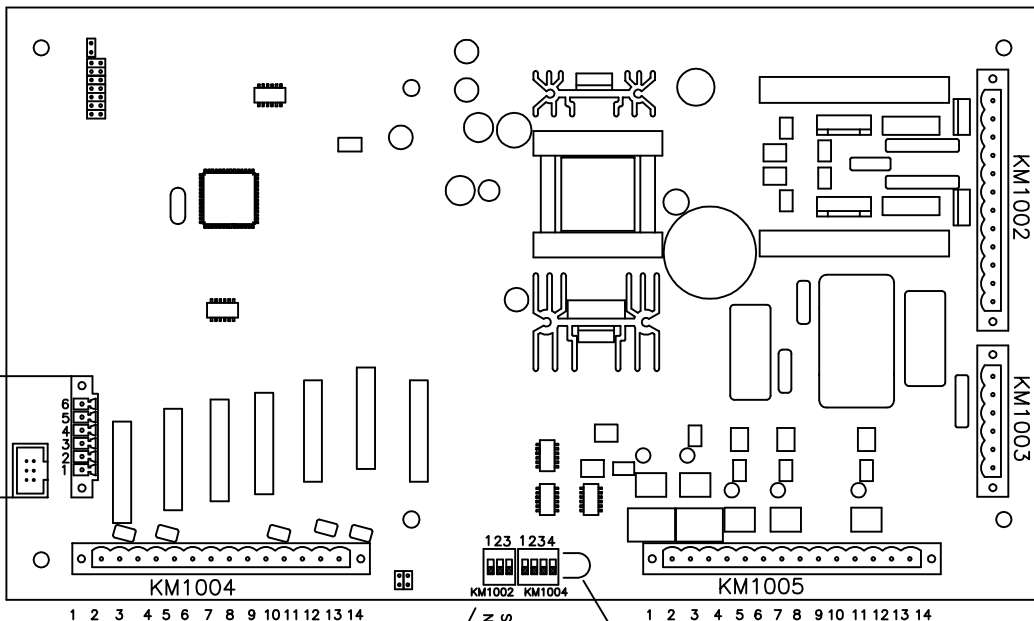
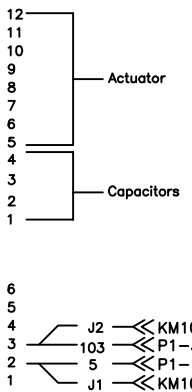
CIRCUIT BREAKER (b) AUX. CONTACTS

CIRCUIT BREAKER (b) AUX. CONTACTS



REFERENCE SHEET 4

For Control Board Pin Functions, Reference Sheet 3



Undervoltage Threshold Voltage Settings

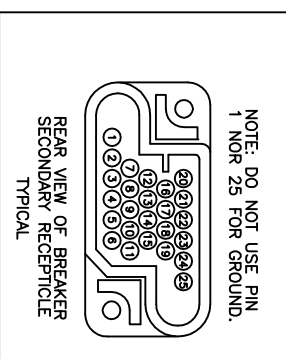
note: Located on Binary Input Board plugged into KM1005

Rated Voltage	Operating Voltage Range
220-240 AC/DC	84-154
110-127 AC/DC	45-70
48-60 DC	21-35
24-30 DC	11-17

NOTE: SHADED PORTION INDICATES SWITCH POSITION

- 701 → P2-4
  - 700 → P2-3
  - J2 → KM1003-3
  - J1 → KM1003-2
  - 10A → P2-2
  - 601 → KM1004-8
  - 10 → P1-7
  - 301 → KM1004-4
  - 6 → P1-5
  - M5 → PF1-5
- Jumper Always Cut for AMVAC

A01 POINT TO POINT DIAGRAM - OPTIONAL



Undervoltage Time Delay Settings (KM1004)

Setting	Delay
U-V Disabled	delay: 2s
234	delay: 3s
234	delay: 4s
234	delay: 5s

Auto Open on Declining Capacitor Voltage (KM1004)

- [-] Disabled
- [+] Enabled

Auxiliary Trip on Processor Failure (KM1002)

- [ ] Disabled
- [ ] Enabled

NOTE: SHADED PORTION INDICATES SWITCH POSITION

REV	TITLE
4	AMVAC MOD3 WIRING DIAGRAM - OPTIONAL

DATE DWN	DATE REL	DWG NO.	SHEET
02/01/05		19917	1 of 5

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REV	DATE	BY	REV	DATE	REVISION DESCRIPTION
2	06/26/06	JMP			[8283]+Switch Position Notes, Moved J1 & J2
1	05/05/06	RET			[8224]-A00, + A01
4					REVISION DESCRIPTION

A

B

C

D

A

B

C

D

4

3

2

1

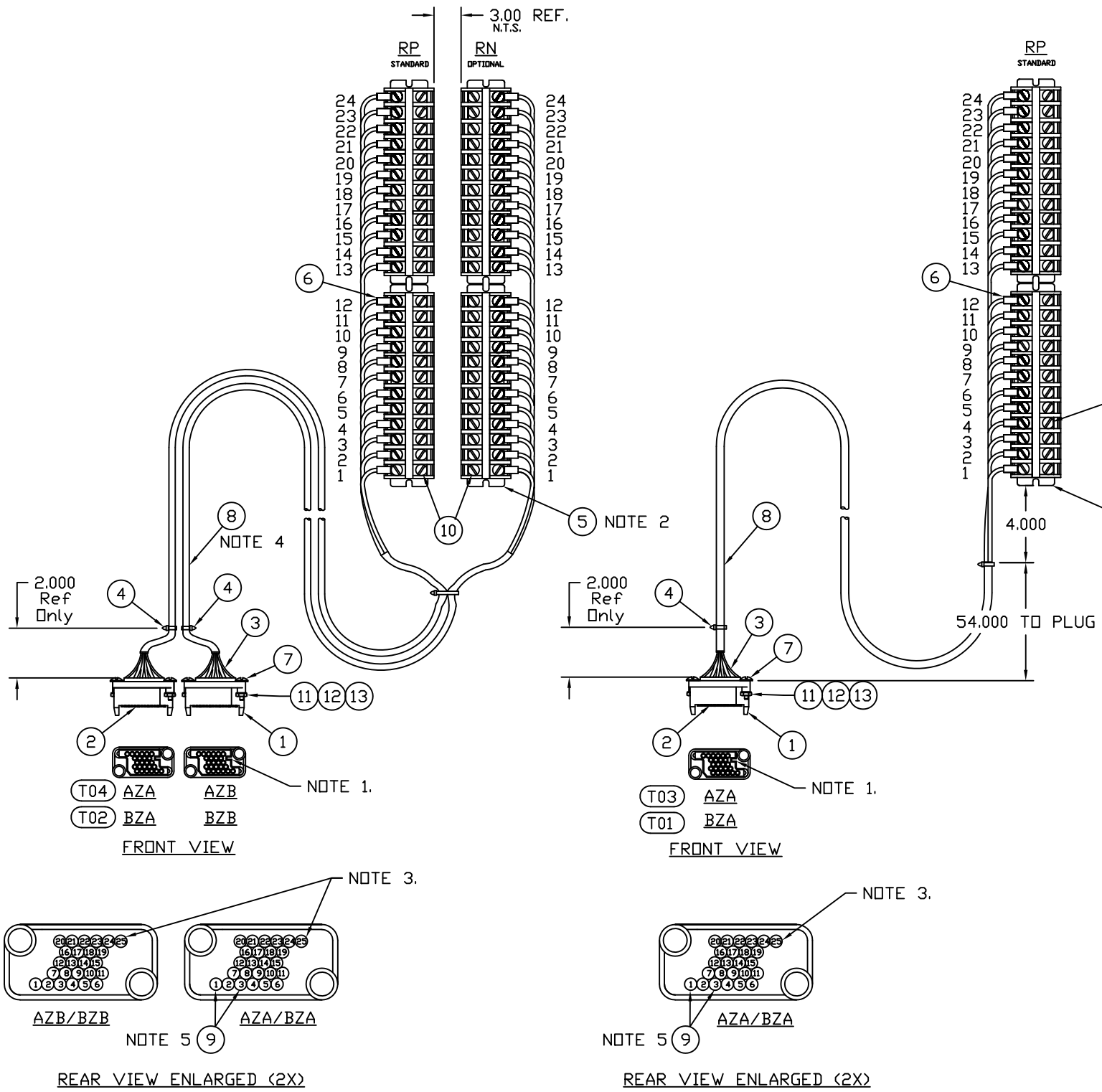








STANDARD TOLERANCE INFO. ON DR. 52016 DIMENSIONS ARE IN INCHES  
TOLERANCES - UNLESS SPECIFIED - ± N/A



REV.	PC. NO.	DRAWING NUMBER	DESCRIPTION	CODE			
2	1	2	1	0001	890563A00	SOCKET HOUSING	
46	22	46	22	0002	890565A00	CRIMP SOCKETS	
48	24	48	24	0003	279040A15	14AWG TYP SIS (90' LENGTH)	
2	2	2	2	0004	279040A23	CABLE TIE MOUNT	
6	3	6	3	0005	NOTE 2	12 PT TERM BLOCK (NOTE 2)	
48	24	48	24	0006	279040J02	INSUL LUG, 16/14 GA, #10 HOLE	
4	2	4	2	0007	890565C00	SPECIAL SHOULDER SCREW 6-32	
12	6	12	6	0008	279040B03	CABLE SLEEVE 1.250ID (QTY=FT)	
2	2	2	2	0009	890565D00	CRIMP SOCKET	
96	48	96	48	0010	888496E00	#10 SHAKEPROOF WASHER	
4	2	4	2	0011	54400B00	#6-32 HEX MACHINE NUT	
4	2	4	2	0012	54500B00	FLATWASHER .156 ID, .375 OD	
4	2	4	2	0013	53103C00	LOCKWASHER #6	

	SECONDARY	BREAKER POSITION
T01	24 PIN	BOTTOM
T02	48 PIN	BOTTOM
T03	24 PIN	TOP
T04	48 PIN	TOP

NOTES:

1. POSITION SOCKET HOUSING SUCH THAT THE REJECTION TAB IS TO THE RIGHT WHEN LOOKING INTO THE CUBICLE.
2. TERMINAL BLOCKS SHOWN FOR REFERENCE ONLY, NOT PROVIDED WITH THIS ASSY. TERMINAL BLOCKS WILL BE CURRENT STANDARD OR CUSTOMER SPECIFIED.
3. DO NOT WIRE OR PLACE A CRIMP SOCKET IN POSITION 25.
4. FOR T02, CUT PC.8 INTO TWO 6 FT LENGTHS.
5. PC.#9 REQUIRED ON POSITIONS 1 & 3 ONLY.

SECONDARY WIRING HARNESS  
ADVAC BREAKER

**ABB** Power T & D Company Inc.  
Distribution Systems Division

931685 11

SIZE C SHT 01 CONT. DN - REV.

BY: JSRennie DATE: 4-26-95  
CHD: RKarnbach DATE: 4-26-95  
APP: BBook DATE: 4-26-95

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NO.	REVISIONS	BY & DATE	CHD.	APP.
11	PC. 5, 12 PT block was 8	RSK 2/8/08	AL 2/8/08	HK 2/8/08
10	PC. 5, - Part No. & + Note 2. (M-3115)	AL 2/28/06	RSK 2/28/06	TPM 2/28/06
9	PC. 5 WAS 826179D00	RSK 2/7/06	AL 2/7/06	TH 2/7/06
8	+ PC. 5 & 10 to T01-T04, - Note #2.	GG 5/12/05	RK 5/12/05	TH 5/12/05
7	T01 & T03 - QTY. PC. #2 WAS 21, T02 & T04 - QTY. PC. #2 WAS 45, QTY. PC #9 WAS 3, - PC. #5	RSK 6/13/01	DE 6/13/01	TPM 6/13/01

DWG. NO. 931685