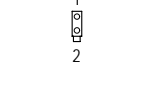
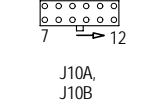
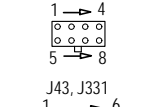
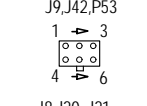
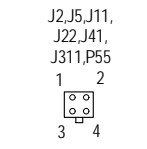
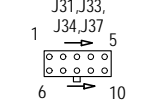
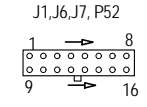


- CONTROL BOARD**
- 609 ← J6-9 ← +15V
 - 602 ← J6-2 ← MAIN RELAY CONTROL
 - 616 ← J6-16 ← VOLTAGE / FREQUENCY CONVERTER #1 (+)
 - 608 ← J6-8 ← VOLTAGE / FREQUENCY CONVERTER #1 (-)
 - 1001 ← J10A-1 ← PRIMARY CURRENT SENSE #1 (-)
 - 1002 ← J10A-2 ← PRIMARY CURRENT SENSE #1 (+)

- 801 ← J8-1 ← CURRENT FEEDBACK (4V=500A)
- 802 ← J8-2 ← +15V
- 804 ← J8-4 ← -15V
- 806 ← J8-6 ← CONTROL BOARD COMMON
- 901 ← J9-1 ← (+) STUD VOLTAGE SENSE
- 903 ← J9-3 ← (-) STUD VOLTAGE SENSE

- 503 ← J5-3 ← THERMOSTAT
- 502 ← J5-2 ← THERMOSTAT
- 605 ← J6-5 ← VOLTAGE / FREQUENCY CONVERTER #2 (+)
- 610 ← J6-10 ← VOLTAGE / FREQUENCY CONVERTER #2 (-)
- 1010 ← J10B-1 ← PRIMARY CURRENT SENSE #2 (-)
- 1020 ← J10B-2 ← PRIMARY CURRENT SENSE #2 (+)
- 611 ← J6-11 ← GND (a)
- 612 ← J6-12 ← SOFT START CONTROL
- 615 ← J6-15 ← PULSE TRANSFORMER GATE DRIVE
- 607 ← J6-7 ← PULSE TRANSFORMER GATE DRIVE
- 715 ← J7-15 ← +15 (a)
- 716 ← J7-16 ← FAN CONTROL

- POWER BOARD**
- power down signal → J42-4 → 407 ← J4-7 ← POWERDOWN SIGNAL (HIGH=RUN)
 - MACHINE CONTROL +15 (a) → J42-1 → 412 ← J4-12 ← +15V (a)
 - +5 (a) → J42-3 → 408 ← J4-8 ← +5V (a)
 - POWER SUPPLY GND (a) → J42-5 → 410 ← J4-10 ← GND (a)
 - 15 (a) → J42-2 → 411 ← J4-11 ← -15V (a)
 - +5 SPI (b) → J43-3 → 403 ← J4-3 ← +5V SPI (b)
 - +15 SPI (b) → J43-6 → 402 ← J4-2 ← +15V SPI (b)
 - SPI SUPPLY SPI GND (b) → J43-12 → 401 ← J4-1 ← GND SPI (b)
 - RS232 supply +5 RS232 (e) → J43-4 → 406 ← J4-6 ← +5V RS232 (e)
 - GND (e) → J43-9 → 405 ← J4-5 ← GND (e)
 - CHOPPER POWER SUPPLY +20 (c) → J43-8 → 438
 - GND (c) → J43-2 → 432
 - +20 (d) → J43-7 → 431
 - GND (d) → J43-1 → 431



CONNECTOR CAVITY NUMBERING SEQUENCE (VIEWED FROM COMPONENT SIDE OF BOARD)

LEGEND
 --- ALL MACHINES
 - - - - - OPTION
 - - - - - COMPONENT OUTLINE

- J3-1 ← (+)5 VOLT SPI
- J3-2 ← (+)5 VOLT SPI
- J3-3 ← /SS
- J3-4 ← CS1
- J3-5 ← CS2
- J3-6 ← CS3
- J3-7 ← MISO
- J3-8 ← SCK
- J3-9 ← MOSI
- J3-10 ← GROUND SPI

NOTES:
 N.A. PC BOARD COMPONENTS SHOWN FOR REFERENCE ONLY. ALL COMPONENTS ARE NOT SHOWN.
 N.B. INPUT POWER LINE FILTER IS PRESENT ONLY ON "CE" MODELS.
 N.C. ON "CE" MODELS, MOV'S ARE IN THE INPUT POWER LINE FILTER.

ELECTRICAL SYMBOLS PER E1537

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UNLESS OTHERWISE SPECIFIED TOLERANCE: MANUFACTURING TOLERANCE PER E2056 ON 2 PLACE DECIMALS IS ± .02 ON 3 PLACE DECIMALS IS ± .002 ON ALL ANGLES IS ± 5 DEGREE MATERIAL TOLERANCE (1) TO AGREE WITH PUBLISHED STANDARDS	DESIGN INFORMATION DRAWN BY: mddm ENGINEER: APPROVED: D.R.S.	REFERENCE EQUIPMENT TYPE: INVERTEC V350PRO SUBJECT: MACHINE SCHEMATIC SCALE: MATERIAL DISPOSITION: U/F APPROVAL DATE: 4/24/02 PROJECT NUMBER: CRM 34281	PAGE 1 OF 1 DOCUMENT NUMBER: G3871 DOCUMENT REVISION: B
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DO NOT SCALE THIS DRAWING

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