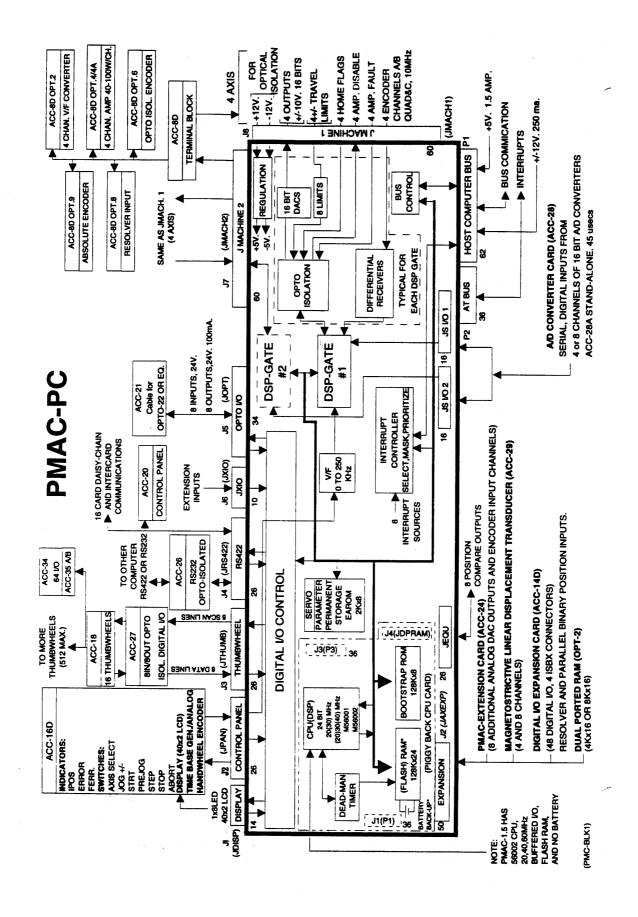
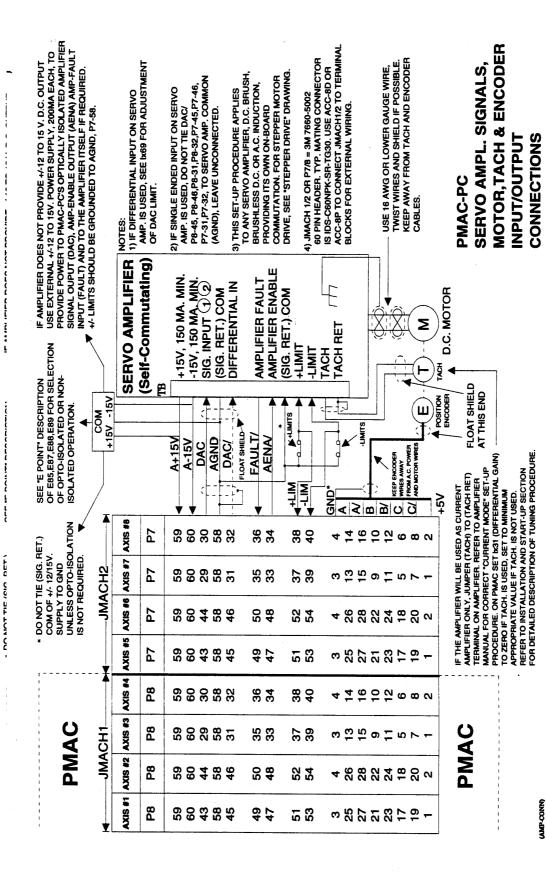
PMAC连接图

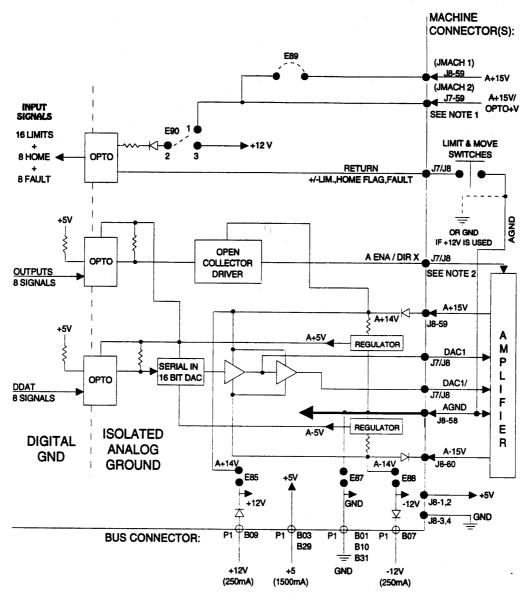
本节列出PMAC与机床的一些有用的联接图如下所示:

- 1. PMAC块图
- 2. PMAC-PC连接
- 3. PMAC-PC选择隔离
- 4. PMAC-Lie选择隔离
- 5. PMAC-VME电源
- 6. PMAC-PC(轴1&2)
- 7. PMAC-PC(轴3&4)
- 8. PMAC-PC(轴5&6)
- 9. PMAC-PC(轴7&8)
- 10. PC RS-232口与PMAC RS-422连接



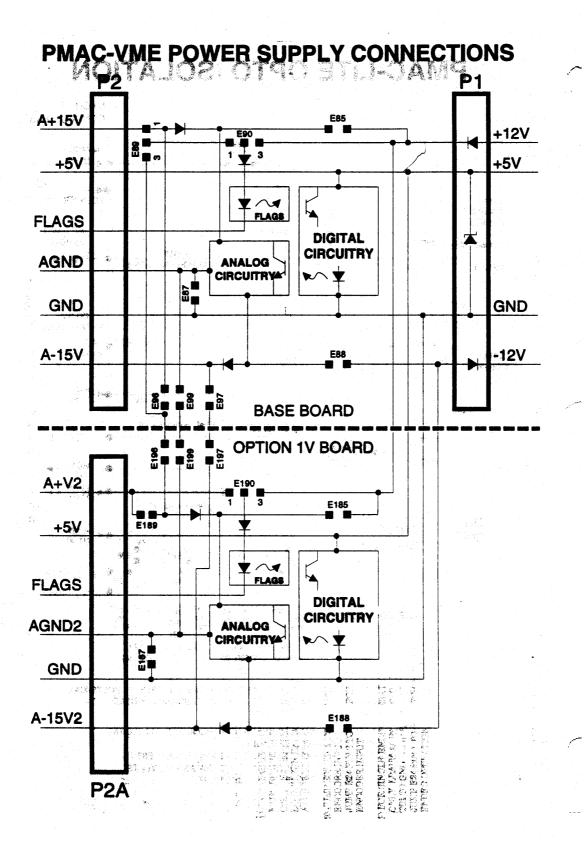


PMAC-PC OPTO ISOLATION

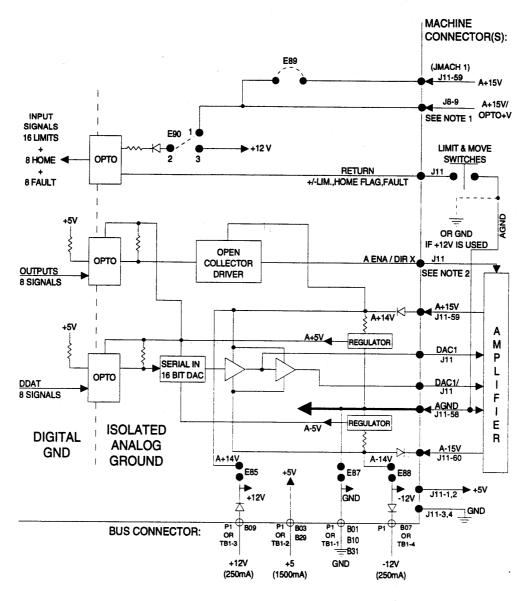


NOTE 1: USE J7-59 (JMACH2) TO PROVIDE AN OPTO POWER SUPPLY, 24 VOLTS MAX. (OPTO+V) SEPARATE THAN THE +/-15 VOLTS NORMALLY USED. REMOVE E89 WHEN DOING SO. ON A 4 AXIS PMAC, J7 (JMACH2) IS NOT PROVIDED, SO WIRES MAY HAVE TO BE SOLDERED

NOTE 2: 1) EXTERNAL +/-15 VOLTS OPERATIONS REQUIRES E89,E90-1&2
ONLY TO BE JUMPERD (DEFAULT)
2) INTERNAL +/-15 VOLTS REQUIRES E90-2&3,E85,E87,E88 TO
BE JUMPERED +/-15 VOLTS MAY BE AS LOW AS +/-12 VOLTS
AND IS USUALLY PROVIDED BY AMPLIFIERS.

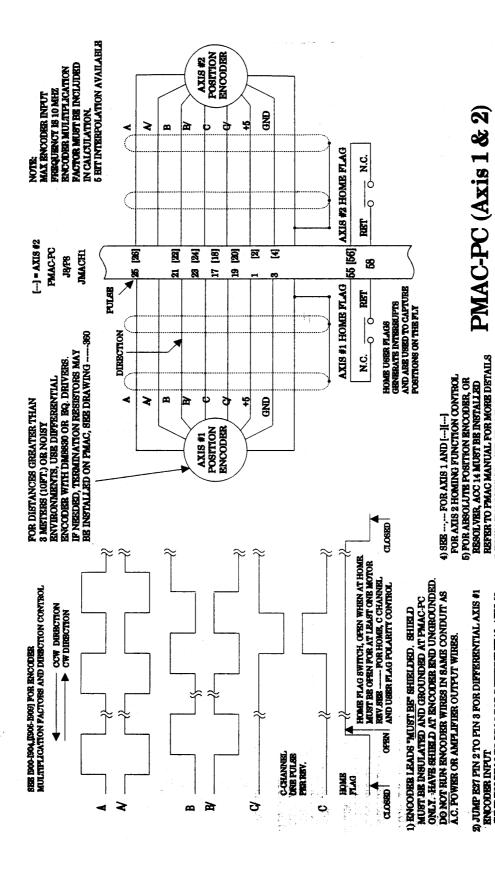


PMAC-LITE OPTO ISOLATION



NOTE 1: USE J7-9 (JEQU) TO PROVIDE AN OPTO POWER SUPPLY, 24 VOLTS MAX. (OPTO+V) SEPARATE THAN THE +/-15 VOLTS NORMALLY USED. REMOVE E89 WHEN DOING SO.

NOTE 2: 1) EXTERNAL +/-15 VOLTS OPERATIONS REQUIRES E89,E90-1&2
ONLY TO BE JUMPERD (DEFAULT)
2) INTERNAL +/-15 VOLTS REQUIRES E90-2&3,E85,E87,E88 TO
BE JUMPERED +/-15 VOLTS MAY BE AS LOW AS +/-12 VOLTS
AND IS USUALLY PROVIDED BY AMPLIFIERS.



PMAC-PC (Axis 1 & 2)

TYPICAL LINEAR OR ROTARY, OPTICAL POSITION ENCODER CONNECTIONS DIFFERENTIAL DRIVER OR SINGLE ENDED OUTPUT A/B QUADRATURE

TR-21/78-22 ARB UNED AS DIRECTION HI* +DRESCTION, SKR 1900-1504(1905-1909) FOR

6) WHEN ENCODER IS A PULSE AND DIRECTION DEVICE, PS-26/PS-26 ARE USED AS PULSE INPUT, AND

9 JUMP E27 PIN 2 TO PIN 8 FOR DIFFERENTIAL AXIS #1 ENCODIER INPUT JUMP E28 PIN 2 TO PIN 3 FOR DIFFERENTIAL AXIS #2

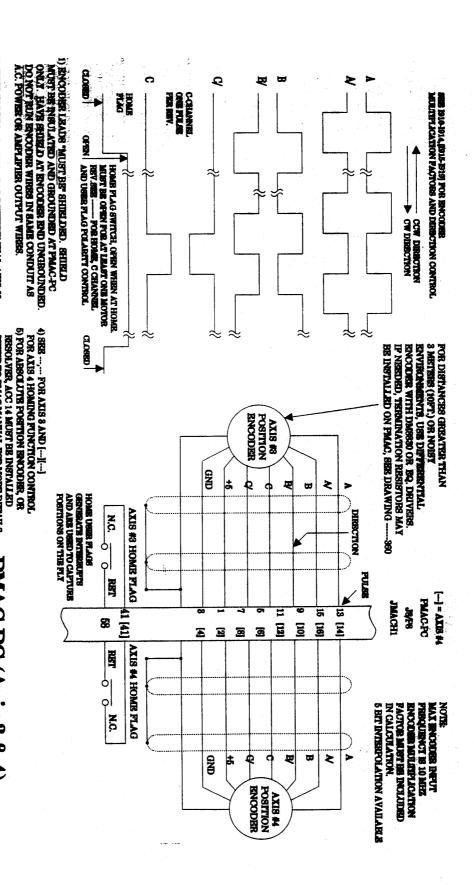
ENCODER INPUT

7) PB PyN = 8M 7660-6002 60 PIN HEADER MATTING CONINECTORS.

MODE SELECTION OF ENCODIER.

ONLY, LEAVE A, B, AND C OPEN (UNCONNECTED), DO NOT THE TO GRU JUMP RET PIN 1 TO PIN 2 FOR AXIS #1, AND JUMP ESS PIN 1 TO PIN 2 FOR AXIS #2 FOR SINGLE I) POR SINGLE ENDED OPERATION, USB A,B, AND C INPUTS

ENDED OPERATION.



3) FOR SINGLE ENDED OFFERATION, USE A.B. AND C INPUTS ONLY, LEAVE, A.B., AND C INPUTS THE TO GROUNG SERVE FEB. FIN 1 TO FIN 2 FOR AXES 43, AND JUMP ESA FEW 1 TO FIN 2 FOR AXES 44 FOR SINGLE KNUKU OPKRATION. DIRECTION DEVICE, PS-12/FS-14
ARE USED AS PULSE DEPUT, AND
PS-9/FS-10 ARE USED AS DIRECTION

2) JUMP R26 PIN 2 TO PIN 3 FOR DIFFERENTIAL AXIS #3 ENCODER INPUT

6) WHEN ENCODER IS A PULSE AND

RESPER TO PMAC MANUAL FOR MORE DETAILS

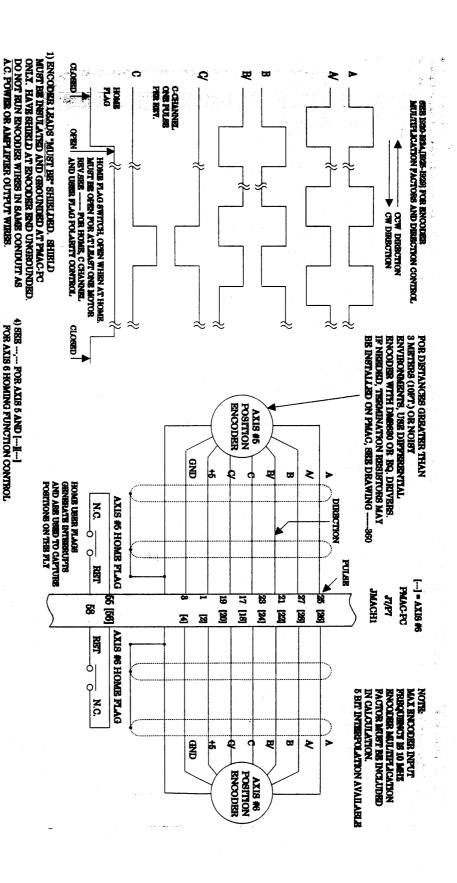
JUMP #24 PIN 2 TO PIN 3 FOR DIFFERENTIAL AXIS #4

ENCODER INFO

7) P8 P/N = 3M 7680-5002 60 PIN HEADER He-theretick see the following the terminal term OF ENCODER MATENG CONNECTORS:

PMAC-PC (Axis 3 & 4)

POSITION ENCODER CONNECTIONS ENDED OUTPUT A/B QUADRATURE DIFFERENTIAL DRIVER OR SINGLE TYPICAL LINEAR OR ROTARY, OPTICAL



ENCODER INFUT

3) FOR SINGLE ENDED OPERATION, USE A.B. AND C INFUTS
ONLY, LEAVE A/, B/, AND C/ OPEN (UNCONNECTED), DO NOT
THE TO GNU JUMP \$18 PIN 1 TO PIN 2 FOR AXIS 46, AND
JUMP \$19 PIN 1 TO PIN 2 FOR AXIS 46 FOR SINGLE
TO PIN 2 FOR AXIS 46 FOR SINGLE

ENDEED OPERATION

2) JUMP K218 PIN 2 TO PIN 8 FOR DIFFERENTIAL AXIS #5

5) FOR ABSOLUTE POSITION ENCODER, OR

ENCODER INPUT

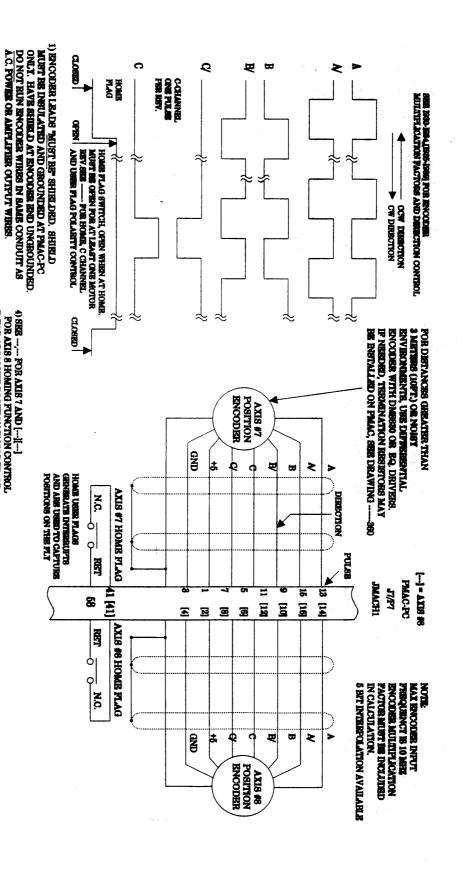
JUMP E19 FIN 2 TO FIN 3 FOR DIFFERENTIAL AXIS 46

RESOLVER, ACC 14 MUST BE INSTALLED
REFER TO PAAC MANUAL FOR MORE DETAILS

(8) WHEN SINCOLER IS A FULSE AND
DIRECTION DEWELS, FLESF AND
DIRECTION BEWELS, FLESF AND
PLESF AS FULSE INFUT, AND
PLESF ASS USED AS DEBETTION
(FEED AS DEBETTION
(FEED

PMAC-PC (Axis 5 & 6)

TYPICAL LINEAR OR ROTARY, OPTICAL POSITION ENCODER CONNECTIONS DIFFERENTIAL DRIVER OR SINGLE ENDED OUTPUT A/B QUADRATURE



8) FOR SINGLE ENDED OPERATION, USE A.B. AND C DIPUTS ONLT, LEAVE A. B., AND CYCEEN (UNCONNECTED), DO NOT THE TO GNO JUNE 250 FIN 2 TO FIN 2 FOR AXIS #7, AND JUNE EXI FIN 2 TO PIN 3 FOR AXIS #6 FOR SINGLE

6) WHEN INVOIDER IS A PULSE AND DIRECTNON EDWOCK, FT. LAPPI-14
ARE USED AS FULSE INCUT, AND TO PT-1-PT-15 AME USED AS DIRECTION
OF HIS +DURECTION SEE BED-ED4[1885-1889] FOR MODE SEE BECTION OF ENCODER.

7) P7 P/N = 8M 7660-5002 60 PIN HEADER MATTING CONNECTORS:

POSITION ENCODER CONNECTIONS
DIFFERENTIAL DRIVER OR SINGLE

ENDED OUTPUT A/B QUADRATURE

ENDED OPERATION.

2) JUMP E30 PIN 1 TO PIN 2 FOR DIFFERENTIAL AXIS #7
ENCODER INFUT
JUMP E31 FIN 1 TO PIN 2 FOR DIFFERENTIAL AXIS #8
ENCODER INFUT

5) FOR ABSOLUTES POSITION ENCODER, OR

RESOLVER, ACC 14 MUST BE INSTALLED
REFER TO PMAC MANUAL FOR MORE DETAILS

PMAC-PC (Axis 7 & 8)

TYPICAL LINEAR OR ROTARY, OPTICAL

10

