

Appendix A: Jumper Settings

Baud Rate Jumper Settings

<u>Baud Rate</u>	<u>JU4</u>	<u>JU5</u>	<u>JU6</u>	<u>JU7</u>
9600	OFF	OFF	OFF	ON
4800	ON	OFF	OFF	OFF
2400	OFF	ON	OFF	OFF
1200	OFF	OFF	ON	OFF

Device Address Jumper Settings

<u>Device Address</u>	<u>JU1</u>	<u>JU2</u>	<u>JU3</u>
1	ON	ON	ON
2	OFF	ON	ON
3	ON	OFF	ON
4	OFF	OFF	ON
5	ON	ON	OFF
6	OFF	ON	OFF
7	ON	OFF	OFF
8	OFF	OFF	OFF

Appendix B: Pinout List

Communication and I/O Connections - TB1

<u>Pin #</u>	<u>Function</u>
1	RS232-Receive
2	RS232-Transmit
3	RS232-Ground (Used exclusively for RS232)
4	Opto +
5	CW Limit input (Active low)
6	CCW Limit input (Active low)
7	Home Limit input (Active high or low)
8	Isolated Ground (Used for all I/O)
9	Trigger Input #1
10	Trigger Input #2
11	Trigger Input #3
12	Sequence Select Input #1
13	Sequence Select Input #2
14	Sequence Select Input #3
15	Programmable Output #1
16	Programmable Output #2

Encoder Interface Connections - (TB2)

Note:
Closed loop functions are not implemented in preliminary units.

<u>Pin #</u>	<u>Function</u>
1	Shield
2	Ground
3	Channel A+
4	Channel A-
5	Channel B+
6	Channel B-
7	Channel Z+
8	Channel Z-

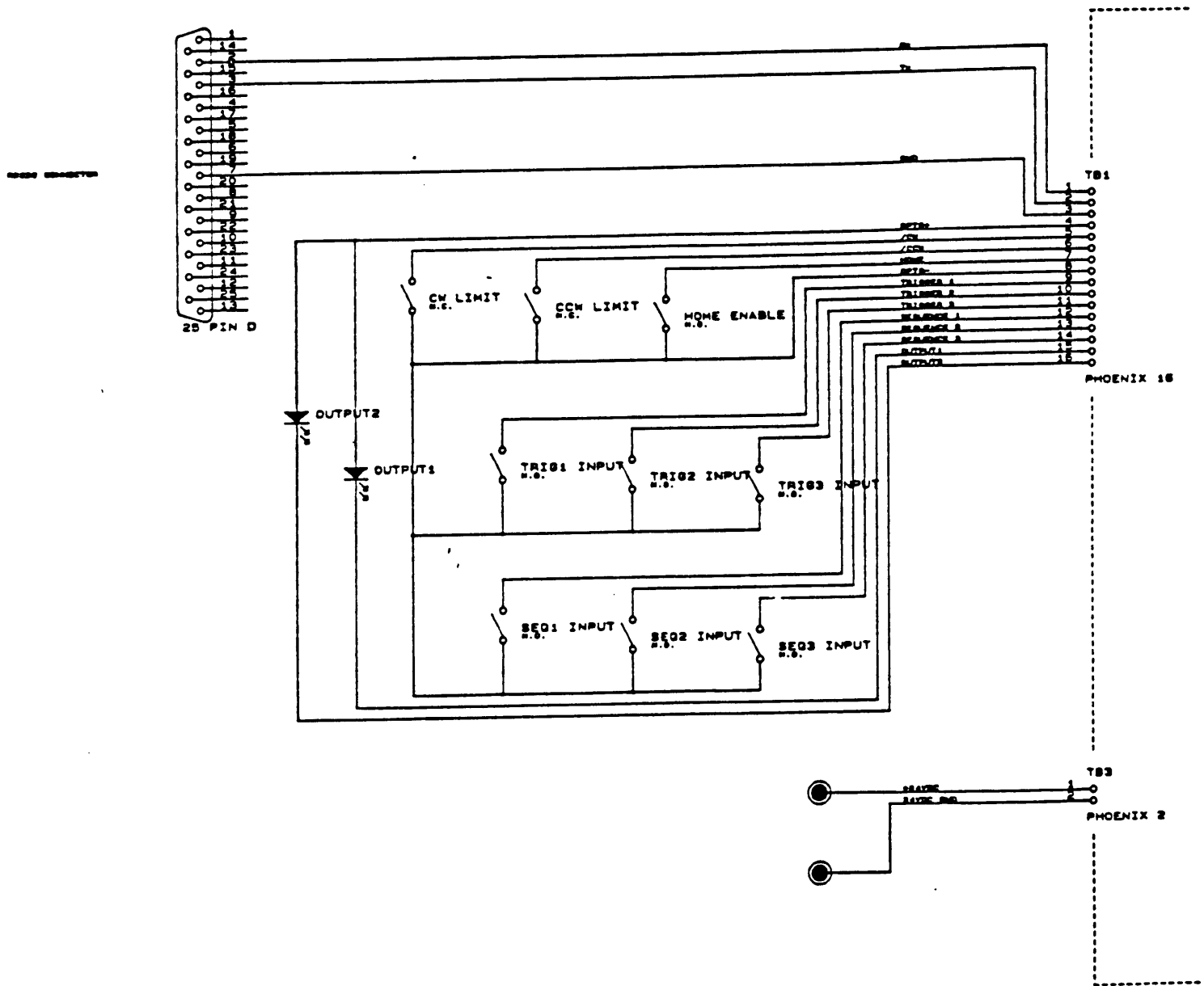
Motor Driver Output Connection - (J3)

<u>Pin #</u>	<u>Function</u>
1	Isolated Ground
2	Shutdown (Active state depends on drive)
3	Step
4	Direction
5	N.C.
6	N.C.
7	Fault
8	N.C.

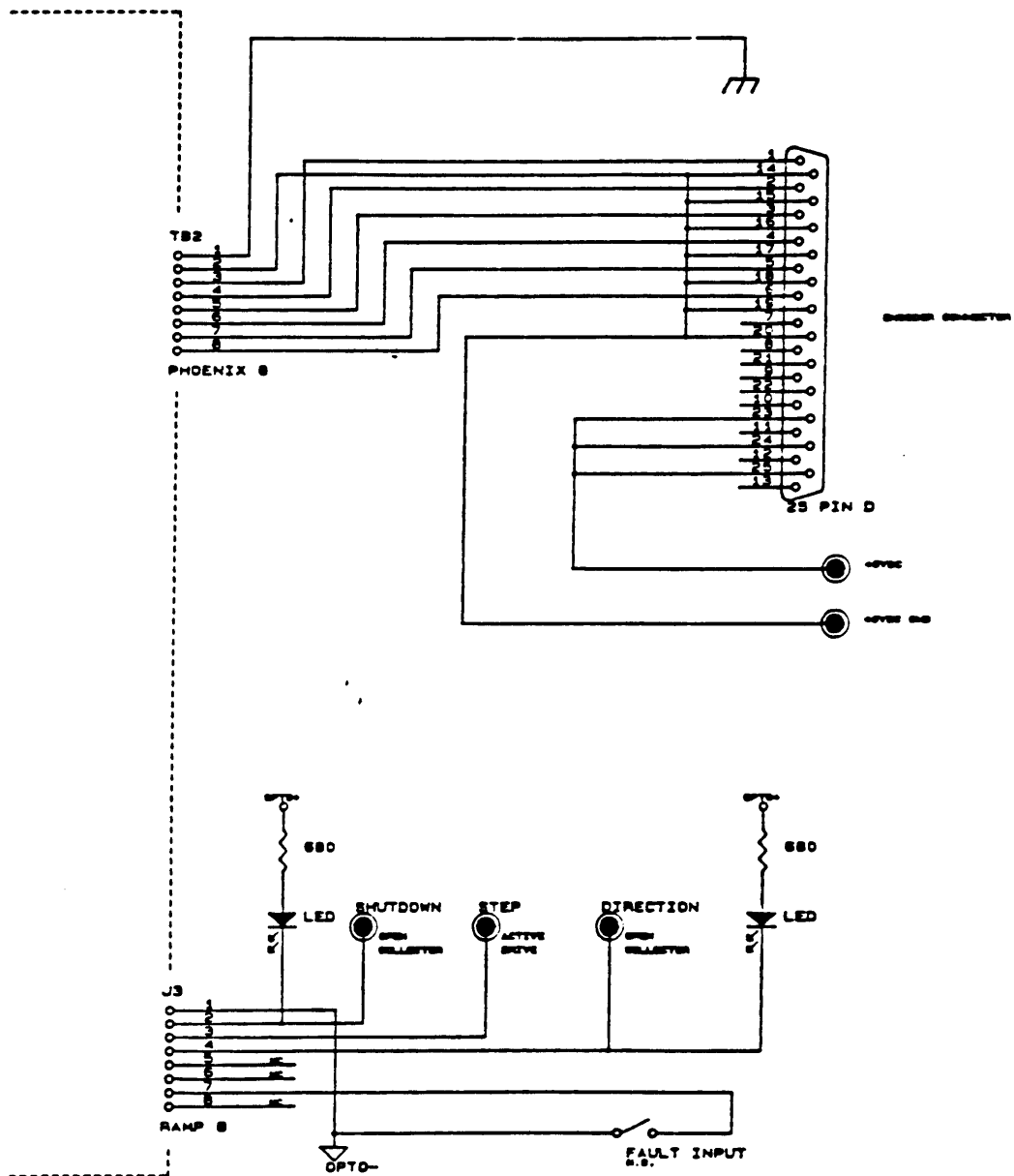
Power Supply Connection - (TB3)

<u>Pin #</u>	<u>Function</u>
1	+24VDC
2	+24VDC Ground (Used exclusively for 24VDC)

Appendix C: Wiring Diagrams



Appendix C: Continued



Appendix D: Default Values

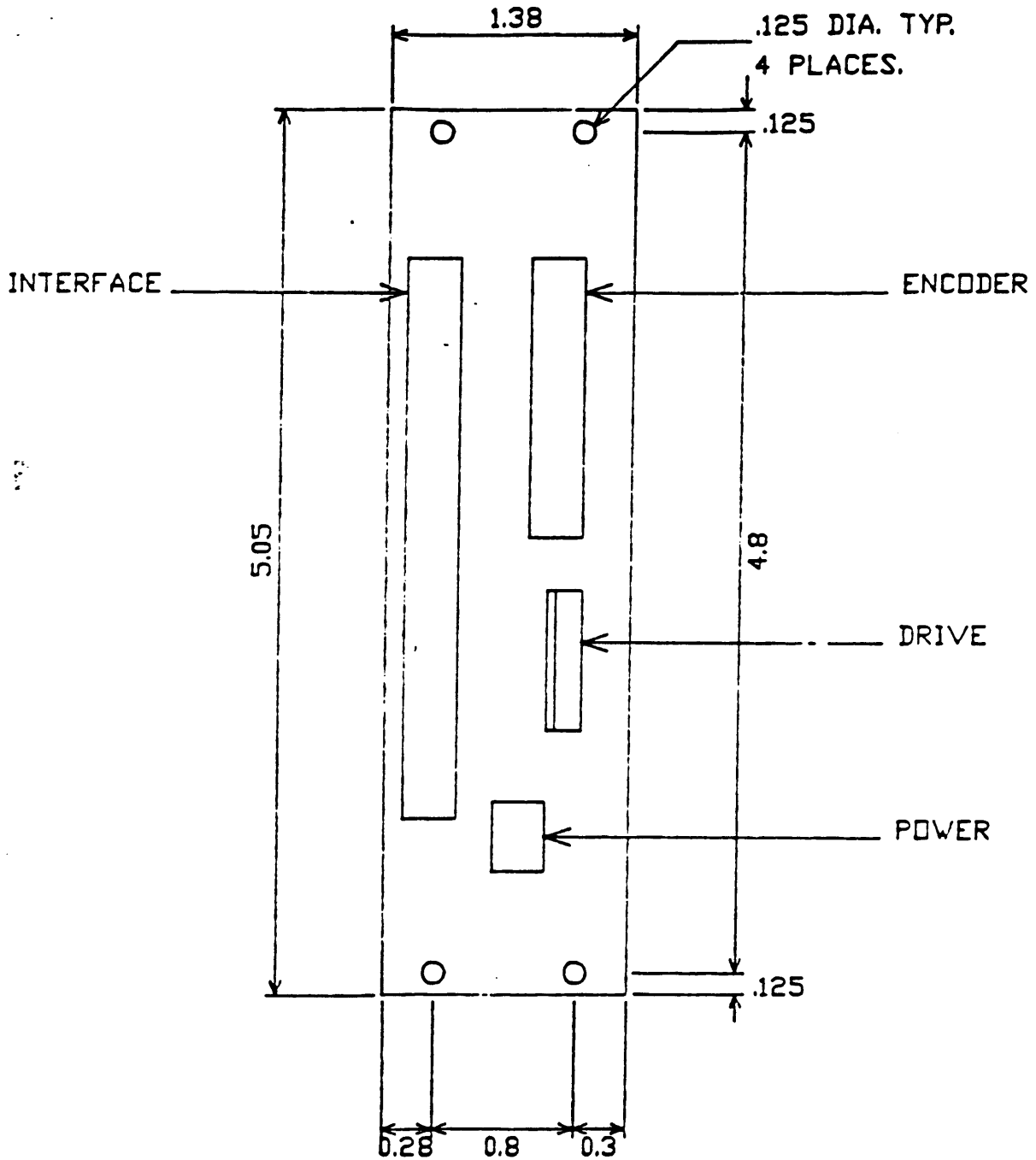
Table D-1 European Default Values (Model IFX-E)

<u>Parameter</u>	<u>Value</u>	<u>Units</u>
Velocity	.2	RPS
Accel	100	RPS/SEC
Distance	400	STEPS (= 1 revolution)
Mtr Res	400(MR1)	STEPS/REV
Pos Mode	MPI	N/A
CG	8	N/A
Shutdown	0	Volts (drive enabled)
Go Home	OSB1	N/A
Active Edge	CW	(Of Home Limit input)
Active level	Low	(Of Home Limit input)

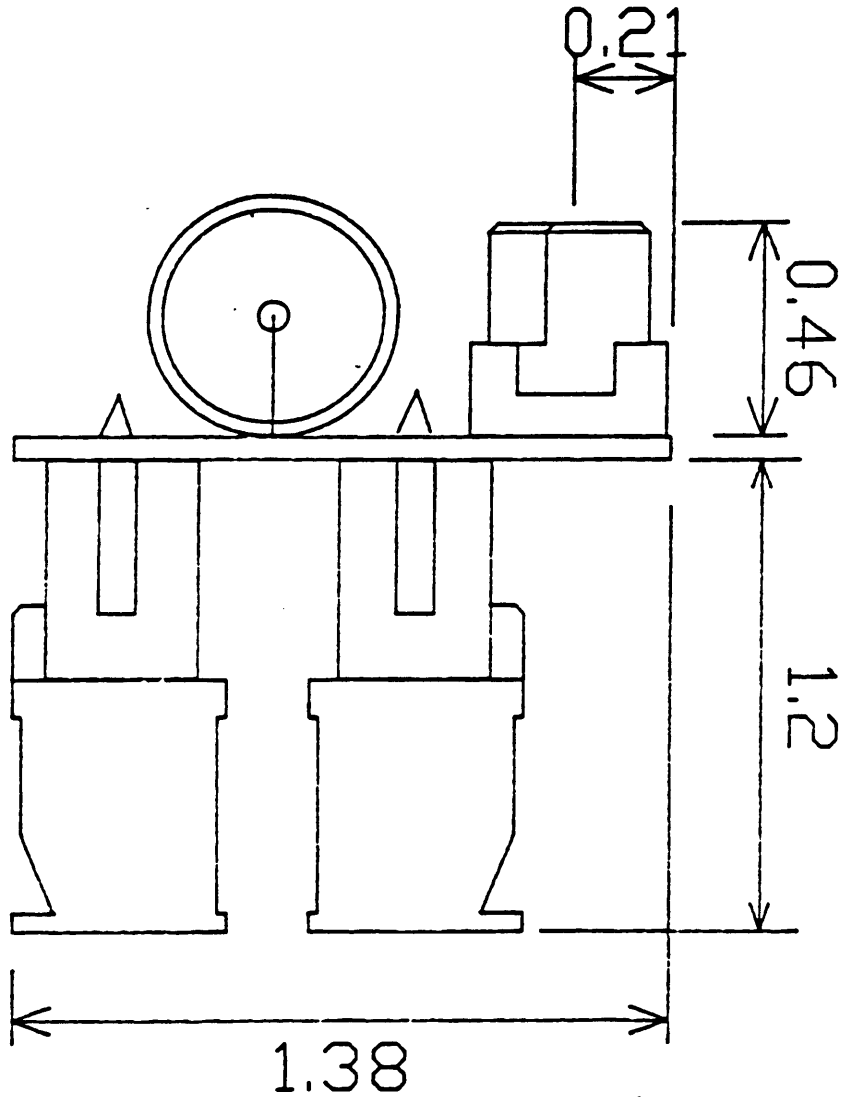
Table D-2 American Default Values (Model IFX)

<u>Parameter</u>	<u>Value</u>	<u>Units</u>
Velocity	1.0	RPS
Accel	100	RPS/SEC
Distance	25000	STEPS (= 1 revolution)
Mtr Res	25K(MR10)	STEPS/REV
Pos Mode	MPI	N/A
CG	8	N/A
Shutdown	5	VOLTS (drive enabled)
Go Home	IDENTICAL TO AX	
Active Edge	CCW	(Of Home Limit input)
Active level	Low	(Of Home Limit input)

Appendix E: Dimensional Drawings



Appendix E: Dimensional Drawings (Cont.)



SIDE VIEW

Appendix F: Command Summary/Index

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