OPTIONAL 4TH AXIS

MSD 556 — DRV1: 5V, CLOCK, 5V, DIRECTION, GROUND, MOTOR +V, A+, A-, B+, B-

4TH AXIS PARALLEL WIRED

MSD 556 — X AXIS

MSD 556 — Y AXIS

MSD 556 — Z AXIS

MOTOR — VACUUM PUMP — Earth5

VACUUM SWITCH — 0V, 24V

SPEED POT — 5V — FEED POT

SPINDLE ENABLE

VACUUM RELAY

GUARD RELEASE

+24V

0V

Z BRAKE RELEASE

NextMove ST

TB6 — X Axis: D0, C0, B0, A0, Shield

TB5 — Y Axis: D1, C1, B1, A1, Shield

TB4 — Analog In: Shield, AN 1+, AN 1-, AN 2+, AN 2-, An GND

TB3 — Digital Outputs 0-7: Shield, Out 0, Out 1, Out 2, Out 3, Out 4, Out 5, Out 6, Out 7, Out Com0, Ground, Shield

TB2 — Digital Outputs 8-15: Shield, Out 8, Out 9, Out 10, Out 11, Out 12, Out 13, Out 14, Out 15, Out Com1, Ground, Shield

TB1 — Digital Inputs 8-15: Shield, Ground, INPUT8, INPUT9, INPUT10, STOP 11, X Datum, Y Datum, Z Datum, Fast INT, Ground, Shield

TB12 — Z Axis: Shield, A2, B2, C2, D2

TB11 — Power In: Logic 24V, Logic 24V, Shield, Drive PSU, Drive PSU — 0V, +24V

TB10 — Power Out: Shield, +12V out, Shield, +12V out, Ground, +5V out

TB9 — Digital Inputs 0-7: Shield, Ground, Input 7, Input 6, Input 5, Input 4, Input 3, Input 2, Input 1, Input 0, Ground, Shield

TB8 — Digital Inputs 16-23: Shield, Ground, Input 23, Input 22, Input 21, Input 20, Input 19, Input 18, Input 17, Input 16, Ground, Shield

TB7 — Misc: Shield, Ground, Aux Z IN, Aux dir IN, Aux step IN, Boost2, Dir 2, Step 2, Ground, NC, Spindle Ground, Spindle Analog

EARTH — L1 L2 L3

OPTIDRIVE — 1 2 3 4 5 6 7 8 9 10 11

EARTH — U V W

MOTOR — SPINDLE MOTOR

CONN6, CONN9, CONN7, CONN10 — PL6, PL9, PL7, PL10

RL1f, RL4b, RL1d, RL1e, RL1c, RL1g, RL2b, RL3b, RL5a, RL3a, RL4a, RL2a

RC2, RC1, C2 4700uF, R2 6K8, R3, LED2, C1, BR1, BR2, D1–D5, R1, LED1

CONN11 — PL11; CONN8 — PL8

PL4, PL2, CONN4, CONN2, FS2 6.3A, FS3 3.15A, FS1 3.15A, FS5 3.15A, FS4 10A

TX2 — COMPACT TRANSFORMER — 0V 28V, 0V 18V; 115 0V, 115 0V

GUARD AND E-STOP BUTTON — E1, E2, 41, 42, 21, 22, 23, 24, 13, 14

0V

CONN3, CONN5, CONN1, CONN13, CONN12

FAN — 110V — PL3

PL5 — 220V

PL5A — 110V

L N E — PL1

PL13

Z BRAKE — E2, E1 — LAMP

PL12

MAINS INPUT — L, N, E — LINE, LOAD — Earth4, Earth3

E	D 30/01/08	C 27/9/06	B 13/9/06	A 15/02/05	Drawn S. ODDY	Check S. ODDY	Projection Do Not Scale	
Drn	Drn SO	Drn SO	Drn S.O.	Project ROUTER 2600 PRO			Client	
Chk	Chk SO	Chk SO	Chk S.O.	Title ELECTRICAL SCHEMATIC			Filename	Drawing No. MRP003000D / Sheet 1 of 1

OTLI
A2