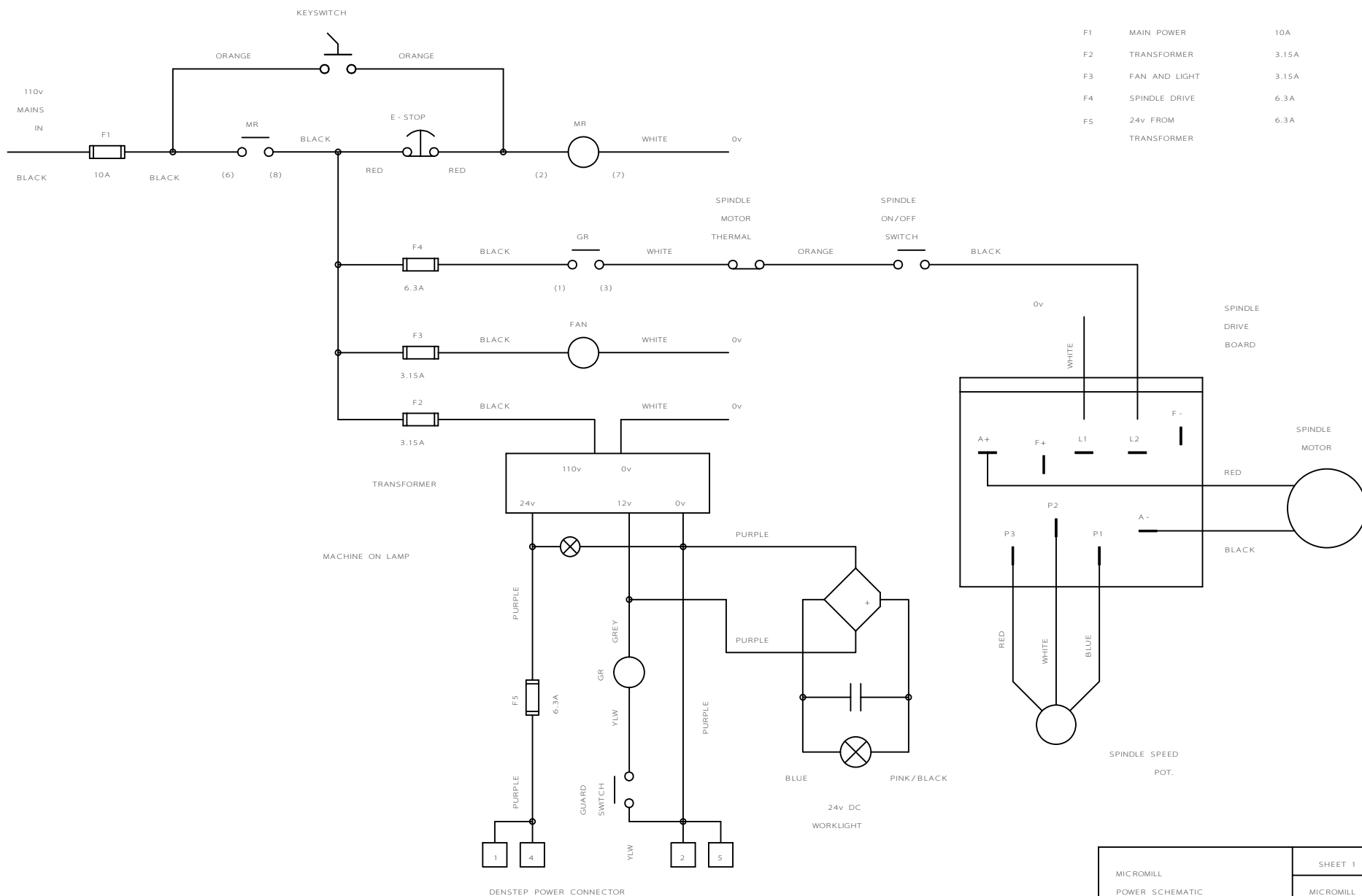
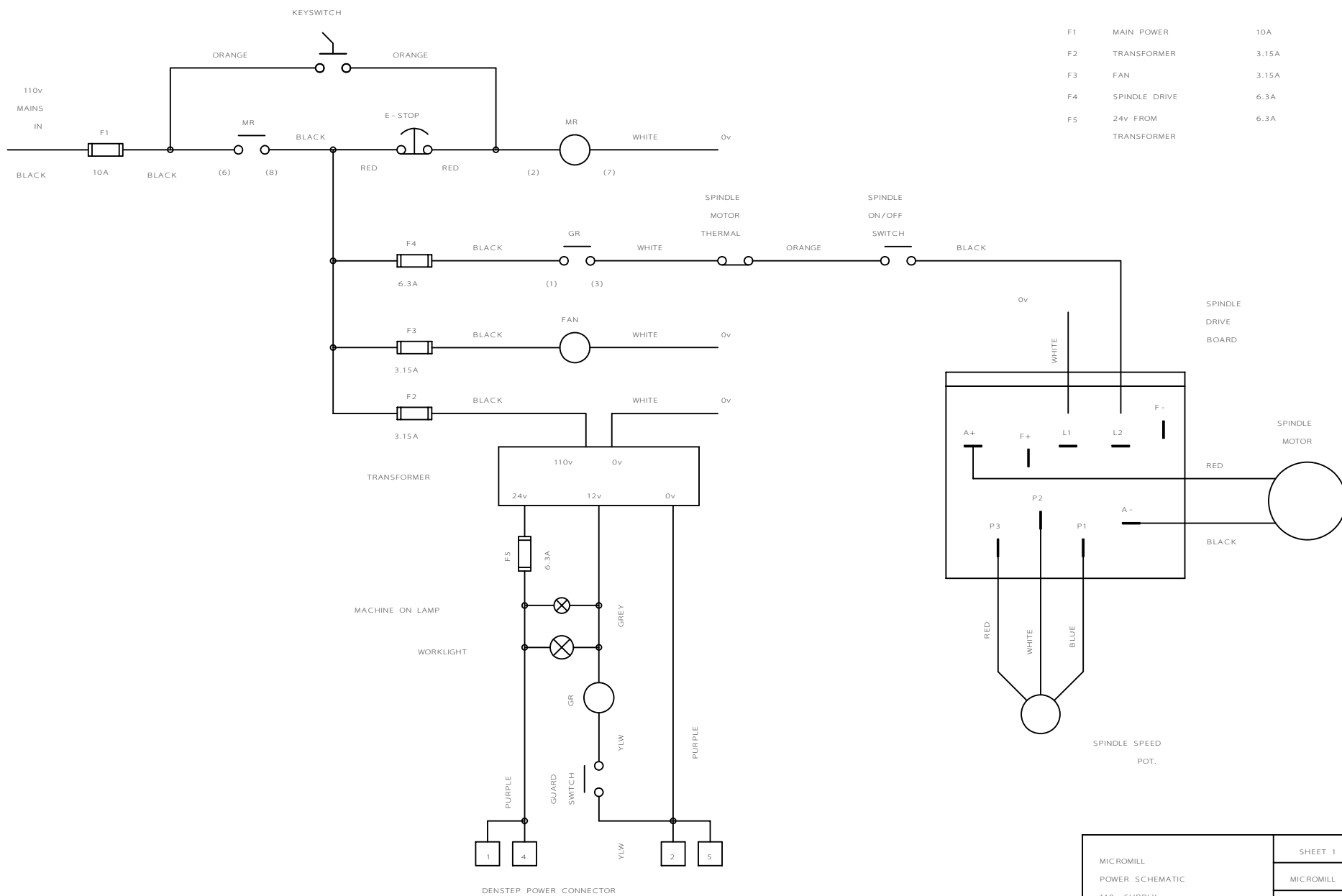


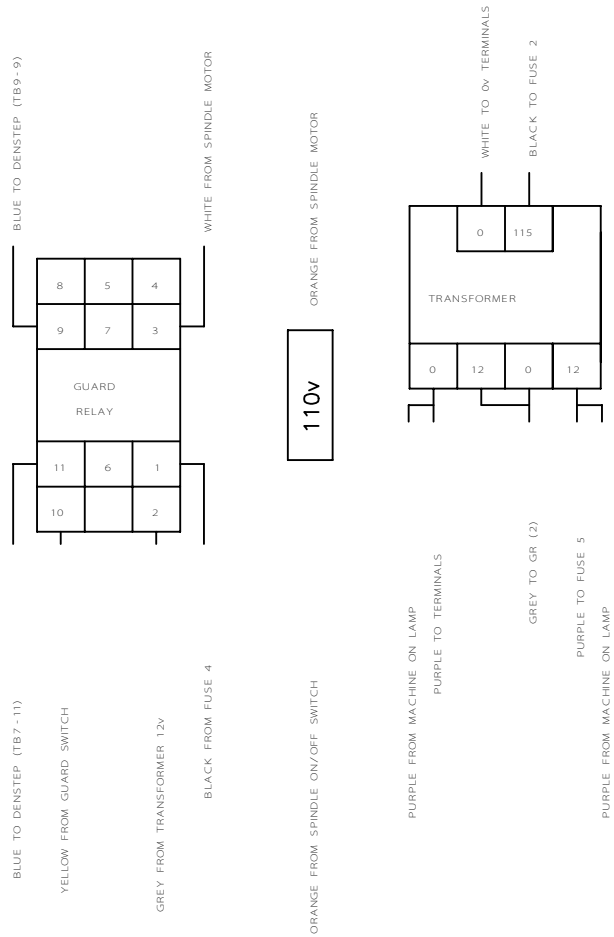
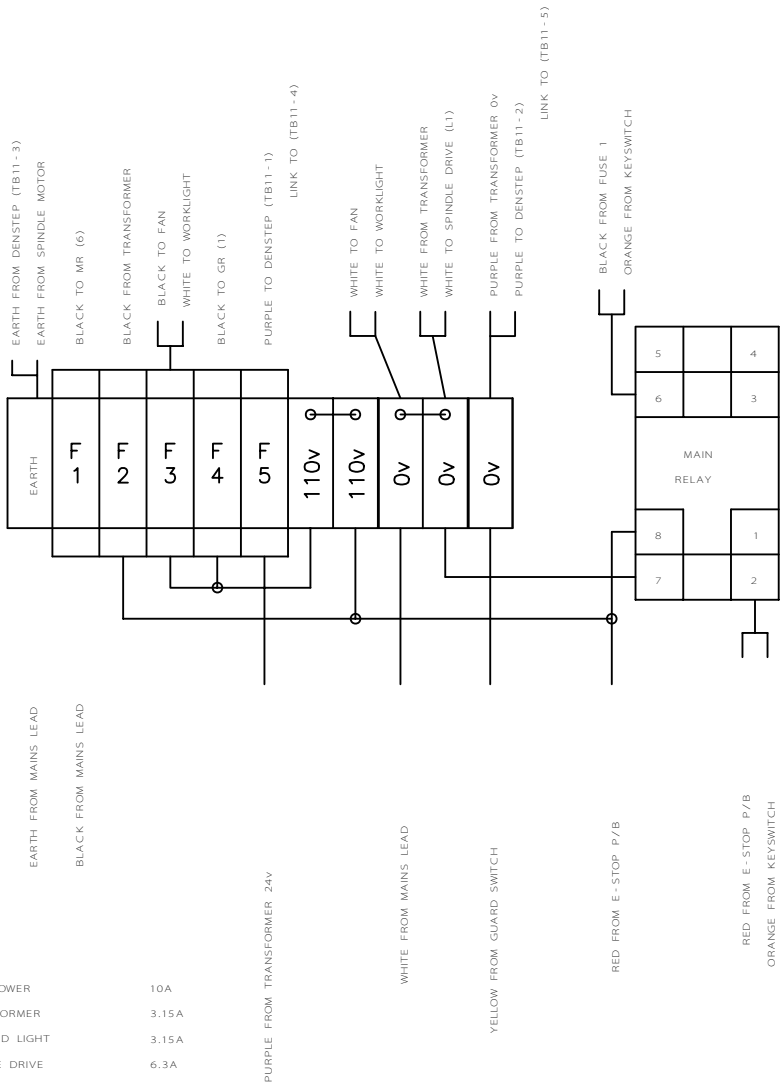
F1	MAIN POWER	10A
F2	TRANSFORMER	3.15A
F3	FAN AND LIGHT	3.15A
F4	SPINDLE DRIVE	6.3A
F5	24v FROM TRANSFORMER	6.3A

MICROMILL POWER SCHEMATIC 110v SUPPLY	SHEET 1
	MICROMILL
	DENSTEP



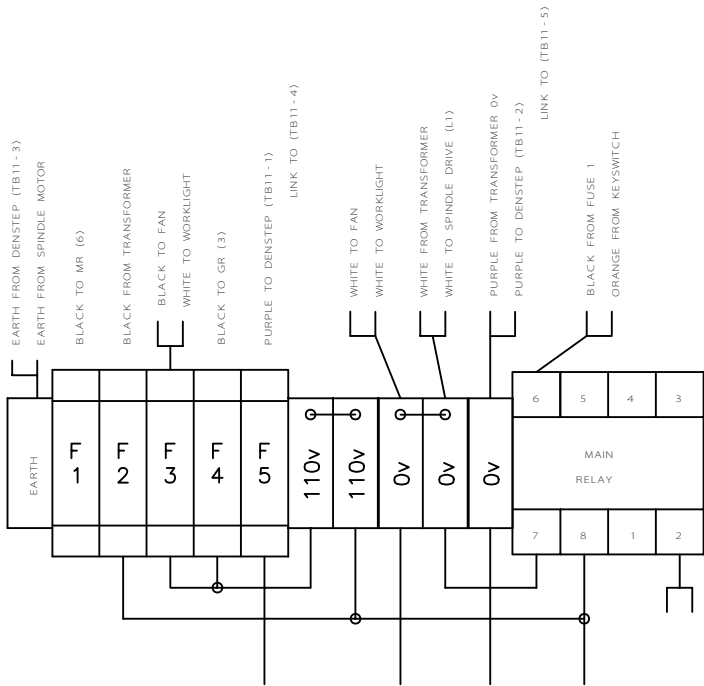


F1	MAIN POWER	10A
F2	TRANSFORMER	3.15A
F3	FAN AND LIGHT	3.15A
F4	SPINDLE DRIVE	6.3A
F5	24v FROM TRANSFORMER	6.3A



MICROMILL RELAY AND FUSE WIRING	SHEET 2
	MICROMILL
	DENSTEP

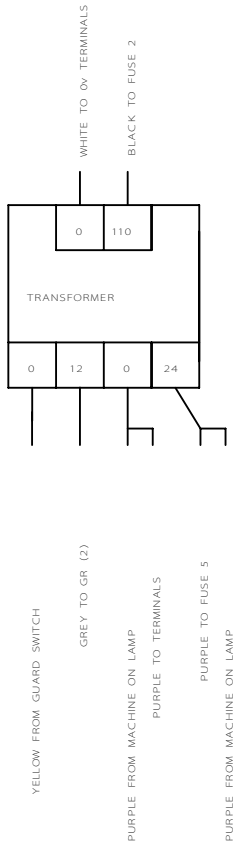
F1	MAIN POWER	10A
F2	TRANSFORMER	3.15A
F3	FAN AND LIGHT	3.15A
F4	SPINDLE DRIVE	6.3A
F5	24v FROM TRANSFORMER	6.3A



RED FROM E-STOP P/B
ORANGE FROM KEYSWITCH

YELLOW FROM GUARD SWITCH
BLACK FROM FUSE 4
GREY FROM TRANSFORMER 12v
WHITE FROM SPINDLE MOTOR

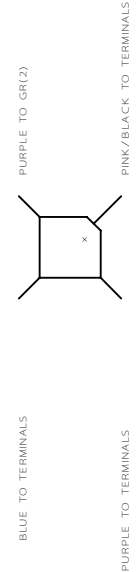
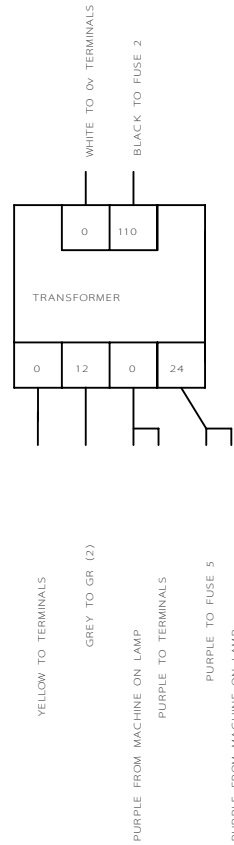
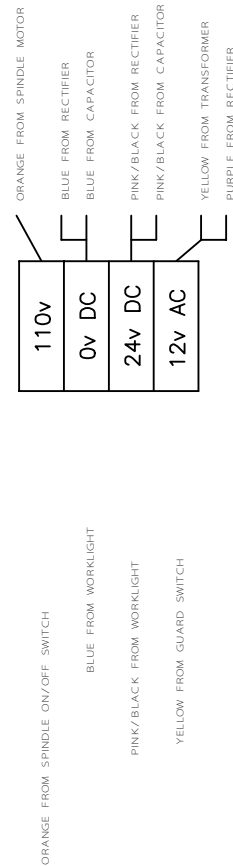
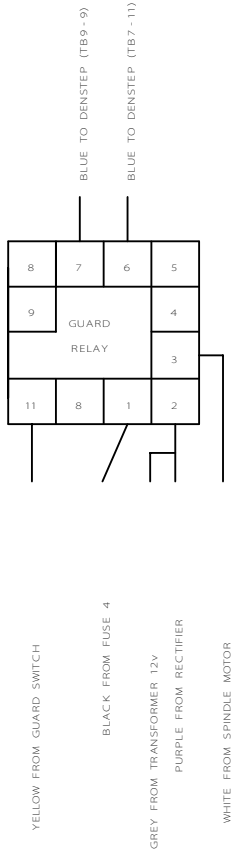
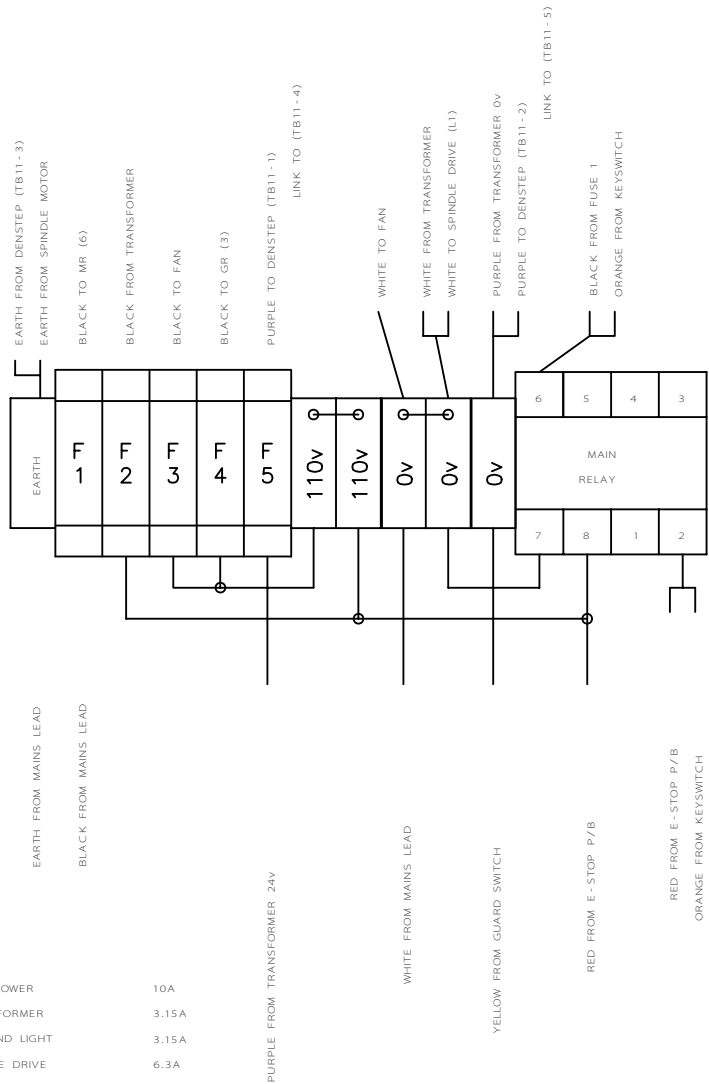
ORANGE FROM SPINDLE ON/OFF SWITCH



YELLOW FROM GUARD SWITCH
GREY TO GR (2)
PURPLE FROM MACHINE ON LAMP
PURPLE TO TERMINALS
PURPLE TO FUSE 5
PURPLE FROM MACHINE ON LAMP

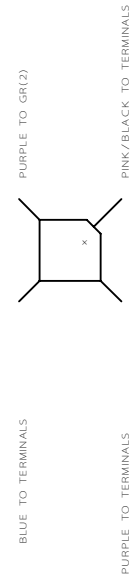
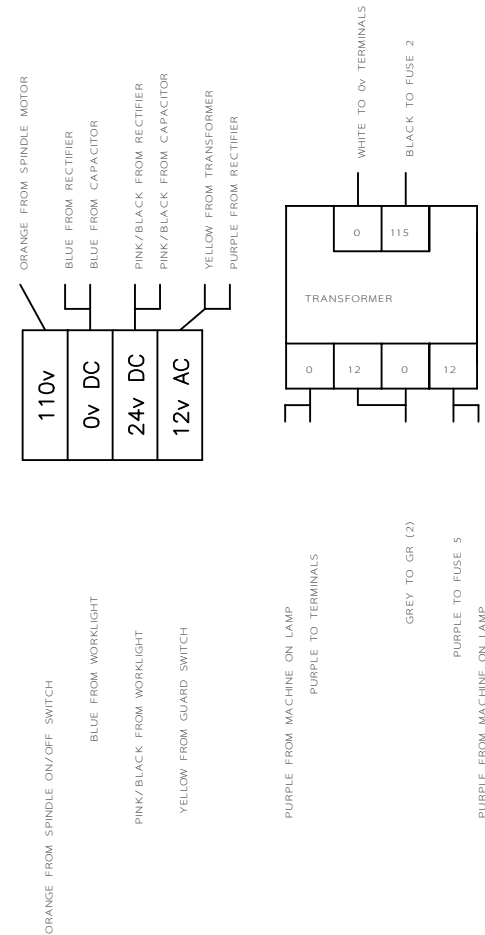
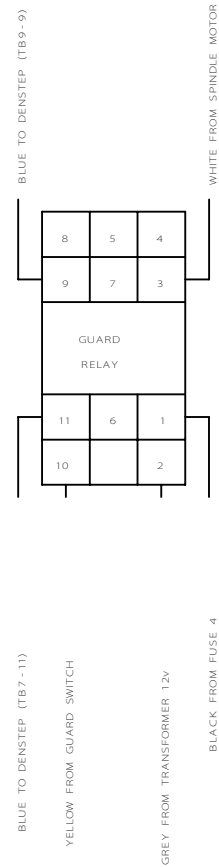
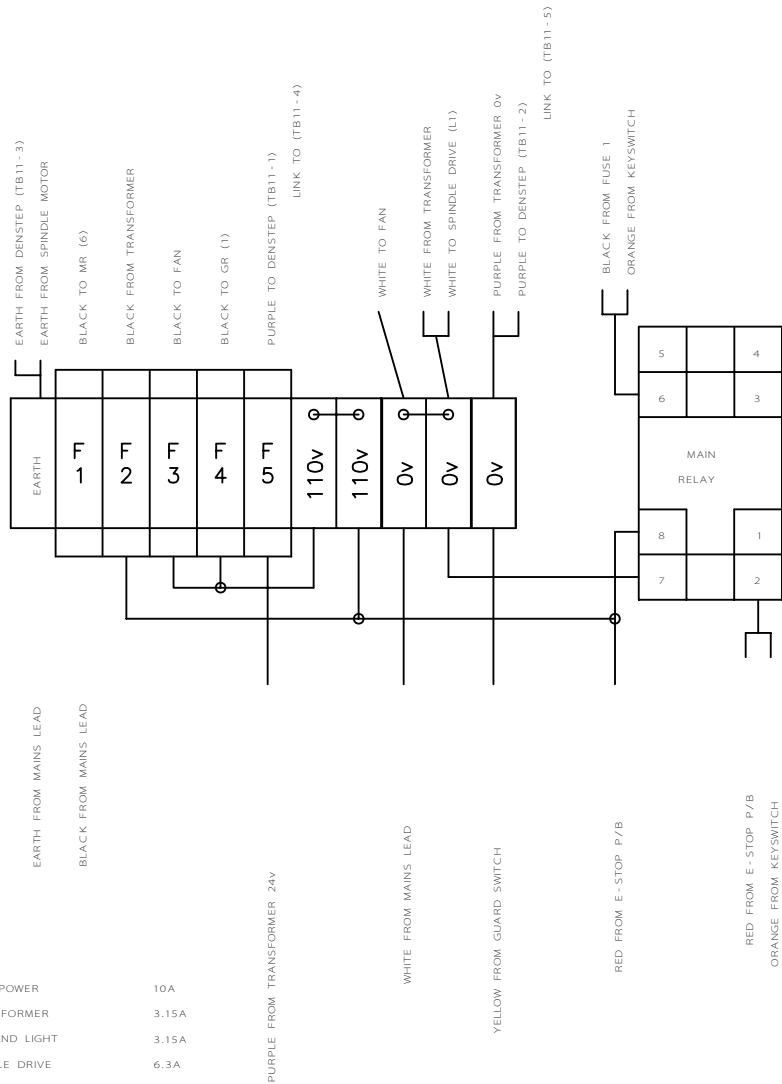
MICROMILL RELAY AND FUSE WIRING	SHEET 2
	MICROMILL
	DENSTEP

F1	MAIN POWER	10A
F2	TRANSFORMER	3.15A
F3	FAN AND LIGHT	3.15A
F4	SPINDLE DRIVE	6.3A
F5	24v FROM TRANSFORMER	6.3A

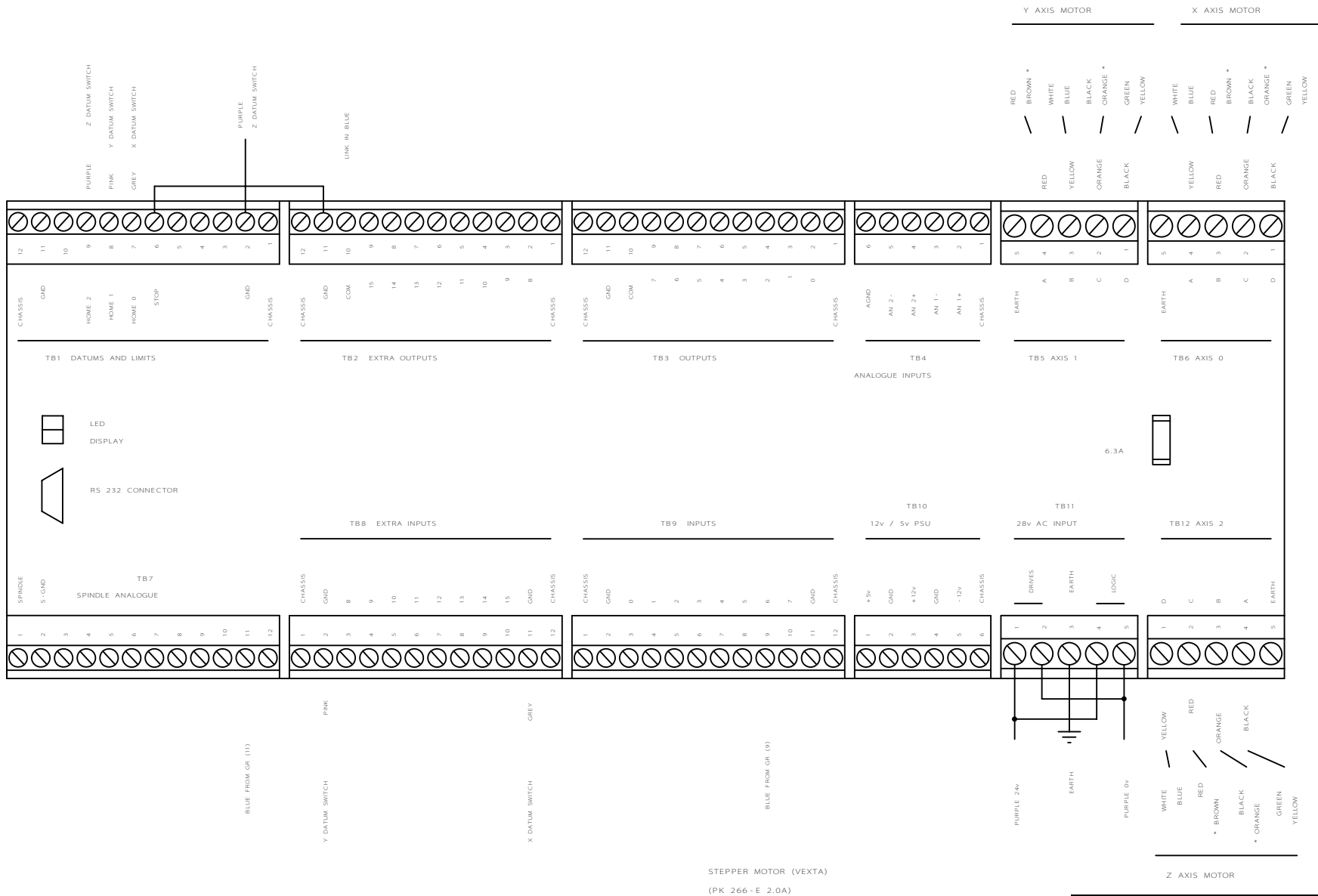


MICROMILL RELAY AND FUSE WIRING	SHEET 2
	MICROMILL
	DENSTEP

F1	MAIN POWER	10A
F2	TRANSFORMER	3.15A
F3	FAN AND LIGHT	3.15A
F4	SPINDLE DRIVE	6.3A
F5	24v FROM TRANSFORMER	6.3A

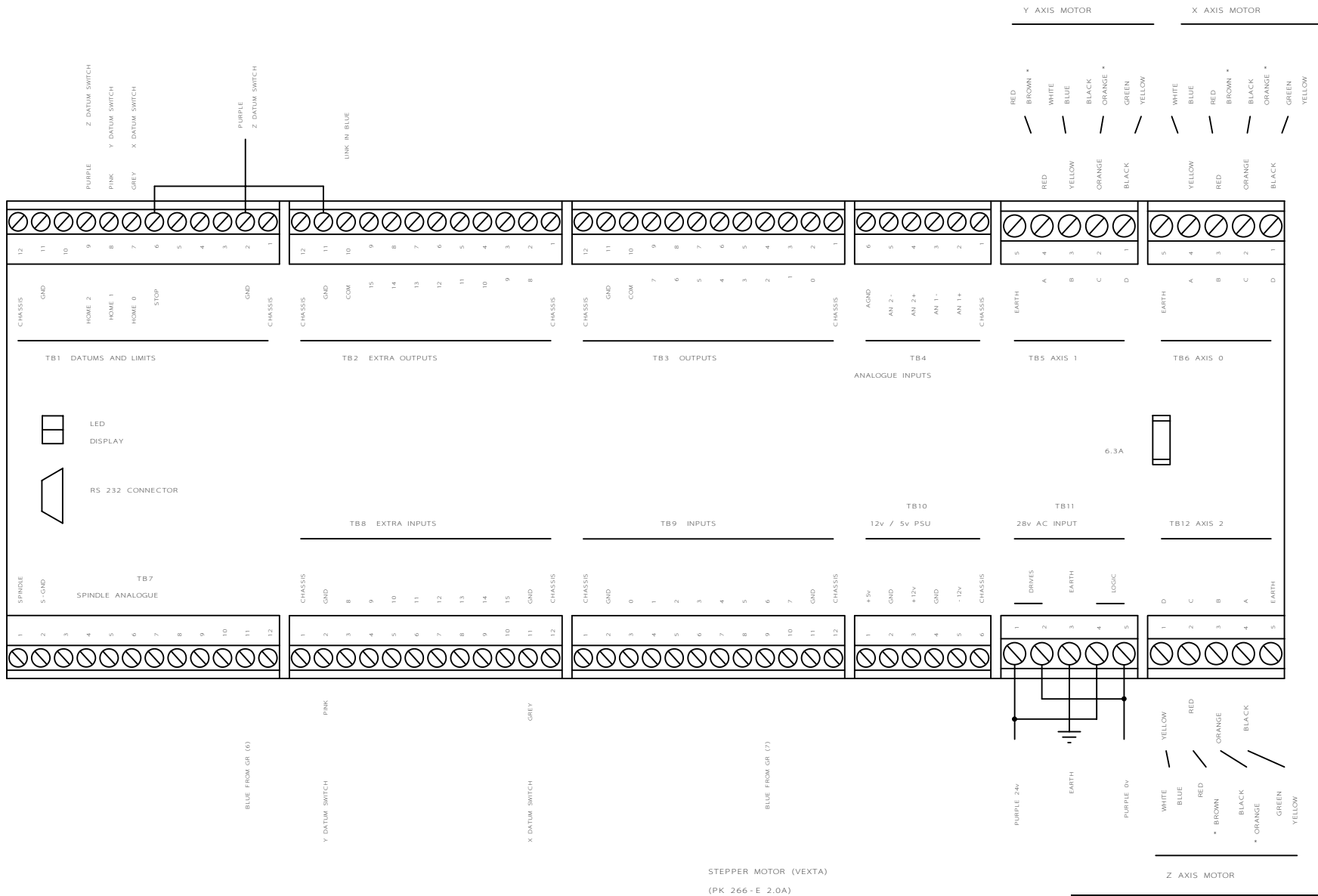


MICROMILL RELAY AND FUSE WIRING	SHEET 2
	MICROMILL
	DENSTEP



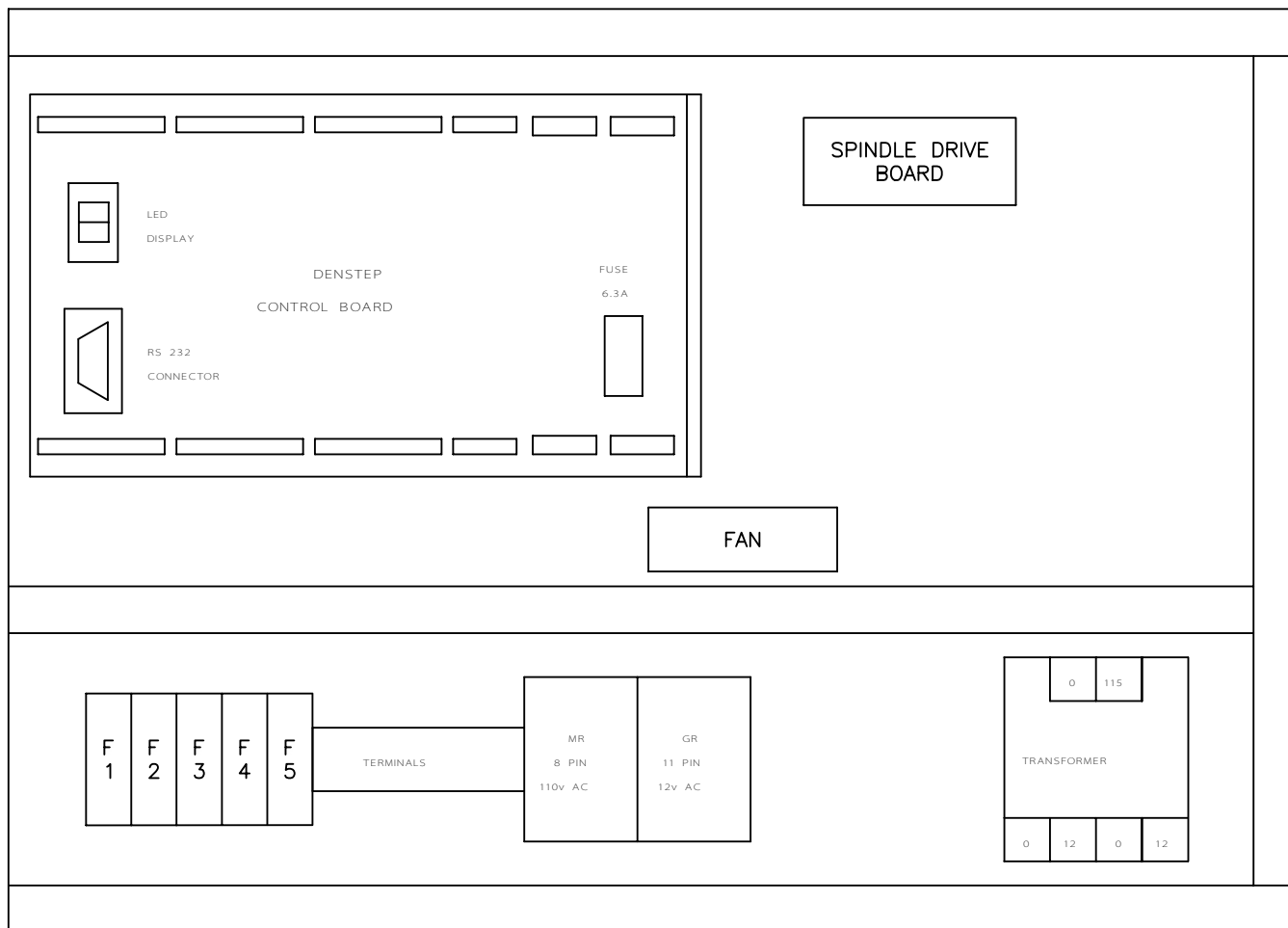
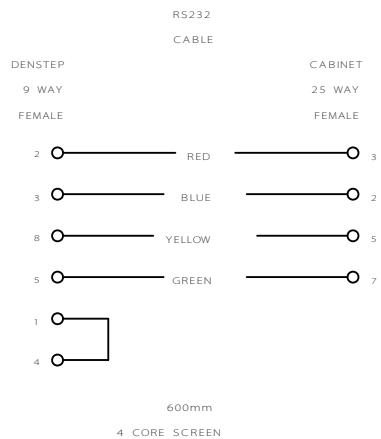
* ENSURE THAT CORRECT COLOURS ARE USED

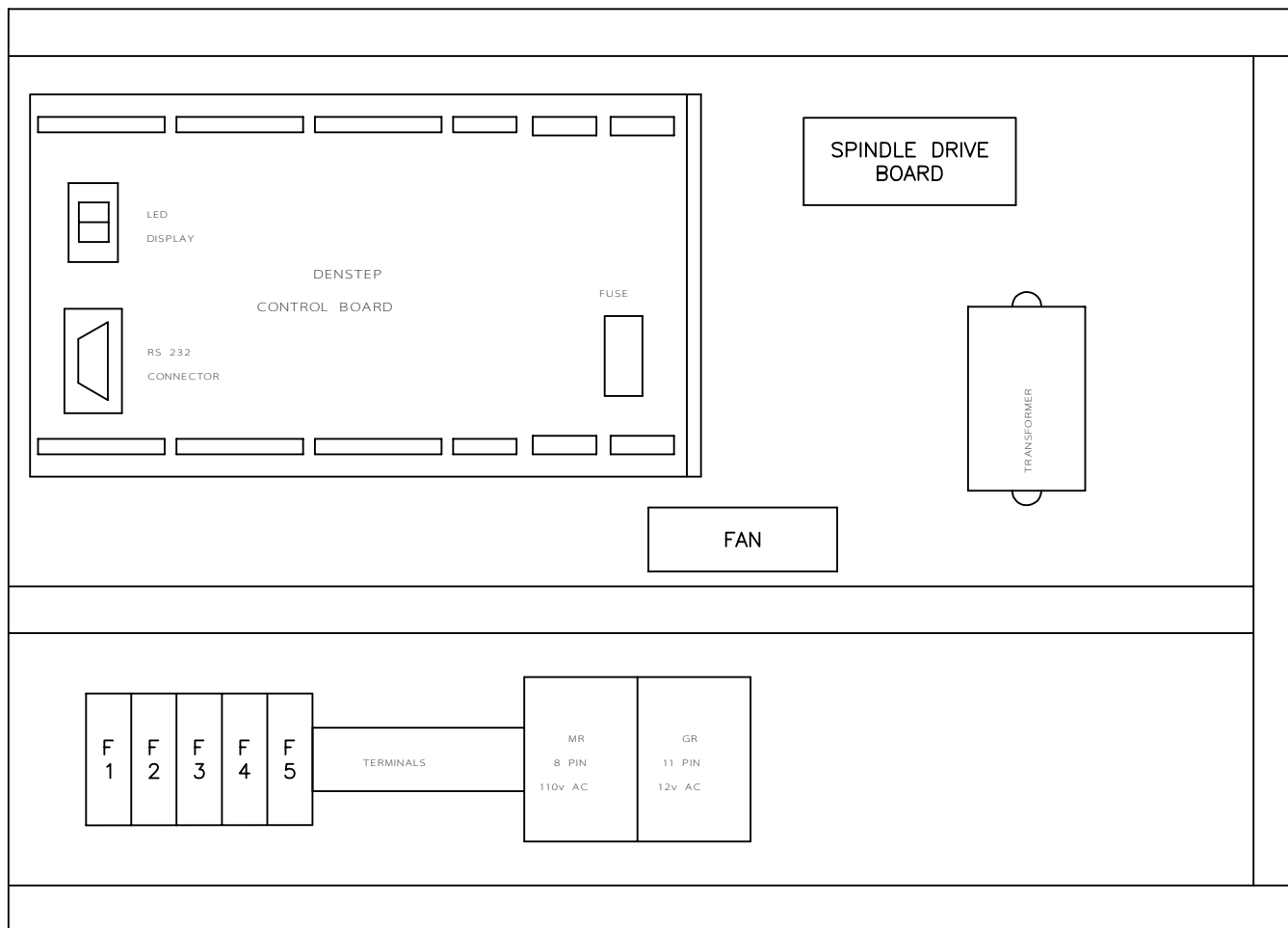
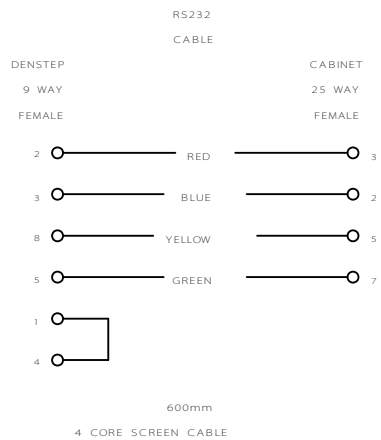
MICROMILL DEN - STEP CONTROL BOARD WIRING	SHEET 3
	MICROMILL
	DENSTEP

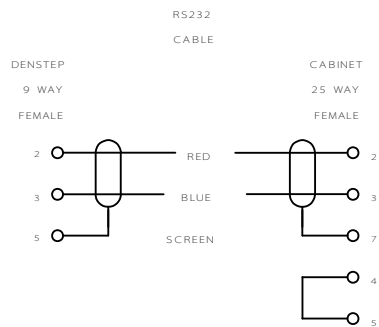


* ENSURE THAT CORRECT COLOURS ARE USED

MICROMILL DEN - STEP CONTROL BOARD WIRING	SHEET 3
	MICROMILL
	DENSTEP

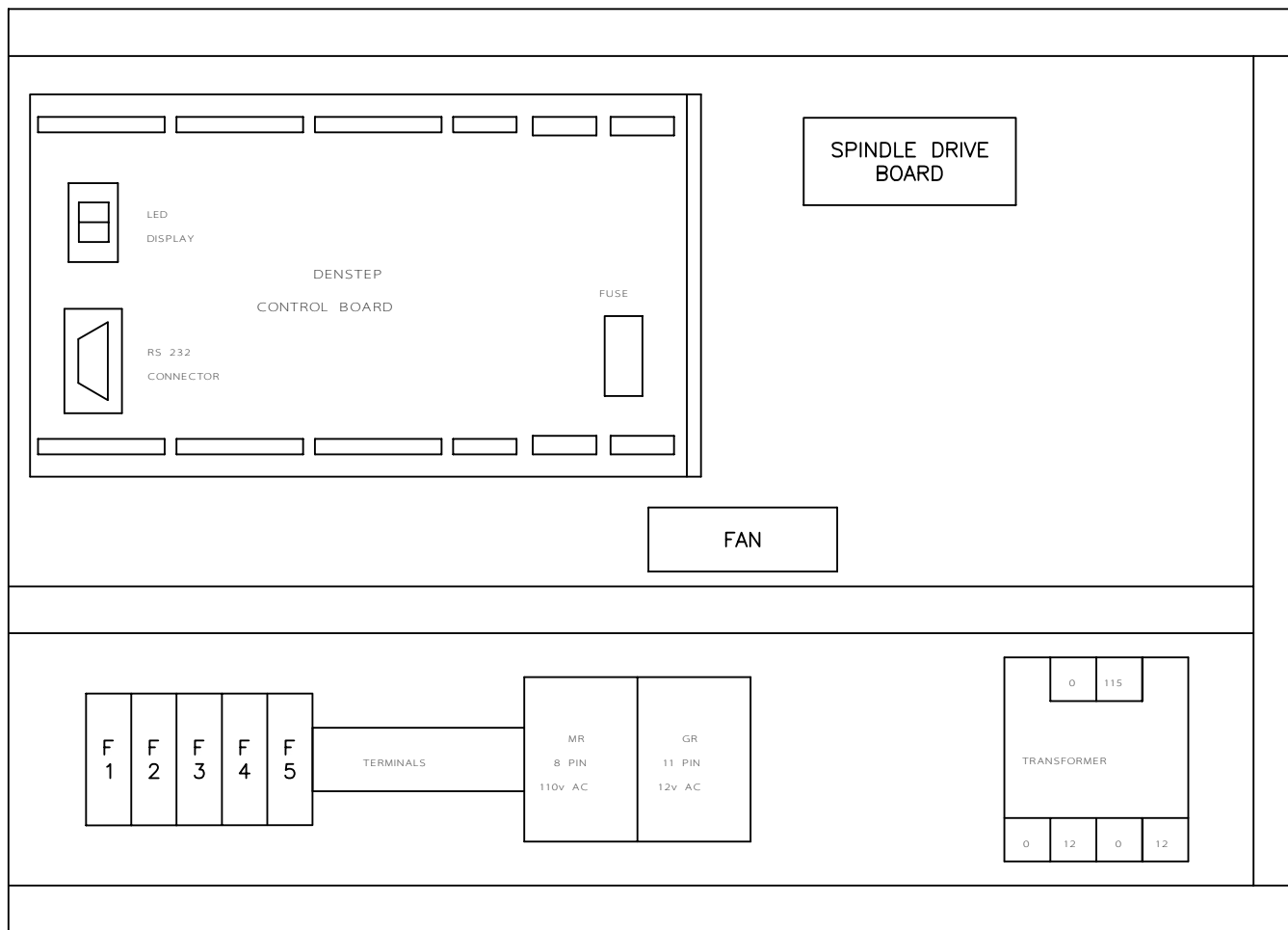






600mm
2 CORE SCREEN CABLE

NEW RS 232 CABLE
REQUIRED FOR ALL
MICROMILLS AND MICROTURNS



MICROMILL
PANEL LAYOUT
AND RS232 CABLE

SHEET 4

MICROMILL

DENSTEP

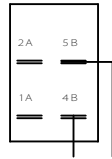
SPINDLE
SPEED POT.



1.5m

SPADE CRIMP

SPINDLE
ON / OFF
SWITCH



BLACK

1.75m

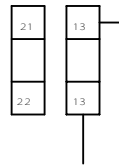
FERRULE

ORANGE

1.3m

FERRULE

KEY SWITCH



ORANGE

1.65m

FORK CRIMP

MACHINE ON
LAMP

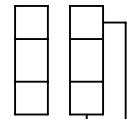


PURPLE

1.75m

FORK CRIMP

EMERGENCY
STOP
SWITCH



RED

1.65m

FORK CRIMP

FORK CRIMP
AT SWITCH END

SPINDLE MOTOR

RED
BLACK
ORANGE
WHITE
GREEN

DO NOT
EXTEND
1.4m
1.1m
650m

SPADE CRIMP
FERRULE
FORK CRIMP
FERRULE

STEPPER MOTOR (VEXTA)
(PK 266 - E 2.0A)

RED
BROWN *
WHITE
BLUE
BLACK
ORANGE *
GREEN
YELLOW

RED

YELLOW

ORANGE

BLACK

X AXIS 1.1m
Y AXIS 1.75m
Z AXIS 1.15m

FERRULE

DATUM SWITCHES

90° CRIMPS AT SWITCH END WITH
180mm BLACK HEATSHRINK
FERRULES AT PANEL END

X AXIS 1.1m GREY
Y AXIS 1.9m PINK
Z AXIS 1m PURPLE

* ENSURE THAT CORRECT COLOURS ARE USED

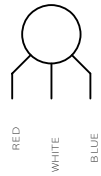
MICROMILL
SWITCH AND MOTOR
WIRING DETAILS

SHEET 5

MICROMILL

DENSTEP

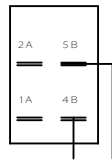
SPINDLE
SPEED POT.



1.5m

SPADE CRIMP

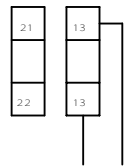
SPINDLE
ON / OFF
SWITCH



BLACK
1.75m
ORANGE
1.3m

FERRULE
FERRULE

KEY SWITCH



ORANGE
ORANGE
1.65m

FORK CRIMP

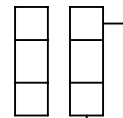
MACHINE ON
LAMP



PURPLE
PURPLE
1.75m

FORK CRIMP

EMERGENCY
STOP
SWITCH



RED
RED
1.65m

FORK CRIMP

FORK CRIMP
AT SWITCH END

SPINDLE MOTOR

RED	DO NOT	SPADE CRIMP
BLACK	EXTEND	
ORANGE	1.4m	FERRULE
WHITE	1.1m	FORK CRIMP
GREEN	650m	FERRULE

STEPPER MOTOR (SANYO DENKI)
(103 H 7123 - 0440)

RED	RED
BLACK	BLACK
ORANGE	ORANGE
WHITE	YELLOW
BLUE	NOT CONNECTED
YELLOW	

X AXIS	1.1m	FERRULE
Y AXIS	1.75m	
Z AXIS	1.15m	

DATUM SWITCHES

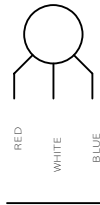
90° CRIMPS AT SWITCH END WITH
180mm BLACK HEATSHRINK
FERRULES AT PANEL END

X AXIS	1.1m	GREY
Y AXIS	1.9m	PINK
Z AXIS	1m	PURPLE

MICROMILL
DEN - STEP CONTROL
BOARD WIRING

SHEET 5
MICROMILL
DENSTEP

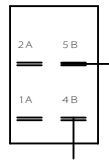
SPINDLE
SPEED POT.



1.5m

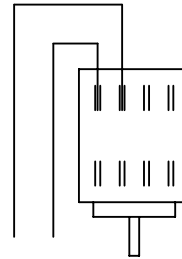
SPADE CRIMP

SPINDLE
ON / OFF
SWITCH



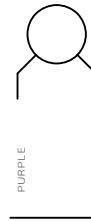
BLACK 1.75m FERRULE
ORANGE 1.3m FERRULE

KEY SWITCH



ORANGE 1.65m
ORANGE

MACHINE ON
LAMP

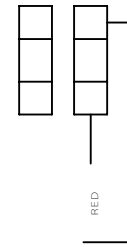


1.75m

FORK CRIMP

FORK CRIMP
AT SWITCH END

EMERGENCY
STOP
SWITCH



1.65m

FORK CRIMP

SPINDLE MOTOR

RED	DO NOT	SPADE CRIMP
BLACK	EXTEND	
ORANGE	1.4m	FERRULE
WHITE	1.1m	FORK CRIMP
GREEN	650m	FERRULE

STEPPER MOTOR (VEXTA)
(PK 266 - E 2.0A)

RED	RED
BROWN *	
WHITE	YELLOW
BLUE	
BLACK	ORANGE
ORANGE *	
GREEN	BLACK
YELLOW	

X AXIS 1.1m
Y AXIS 1.75m
Z AXIS 1.15m

FERRULE

DATUM SWITCHES

90° CRIMPS AT SWITCH END WITH
180mm BLACK HEATSHRINK
FERRULES AT PANEL END

X AXIS	1.1m	GREY
Y AXIS	1.9m	PINK
Z AXIS	1m	PURPLE

* ENSURE THAT CORRECT COLOURS ARE USED

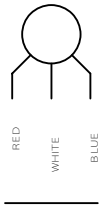
MICROMILL
SWITCH AND MOTOR
WIRING DETAILS

SHEET 5

MICROMILL

DENSTEP

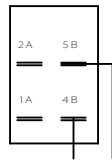
SPINDLE
SPEED POT.



1.5m

SPADE CRIMP

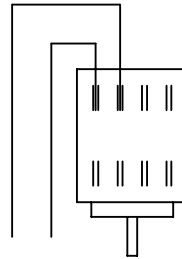
SPINDLE
ON / OFF
SWITCH



BLACK 1.75m
ORANGE 1.3m

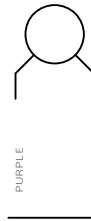
FERRULE
FERRULE

KEY SWITCH



ORANGE 1.65m
ORANGE

MACHINE ON
LAMP

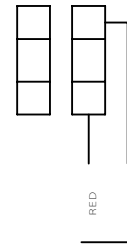


1.75m

FORK CRIMP

FORK CRIMP
AT SWITCH END

EMERGENCY
STOP
SWITCH



1.65m

FORK CRIMP

SPINDLE MOTOR

RED	DO NOT	SPADE CRIMP
BLACK	EXTEND	
ORANGE	1.4m	FERRULE
WHITE	1.1m	FORK CRIMP
GREEN	650m	FERRULE

STEPPER MOTOR (SANYO DENKI)
(103 H 7123 - 0440)

RED	RED
BLACK	BLACK
ORANGE	ORANGE
WHITE	YELLOW
BLUE	NOT CONNECTED
YELLOW	

X AXIS	1.1m	FERRULE
Y AXIS	1.75m	
Z AXIS	1.15m	

DATUM SWITCHES

90° CRIMPS AT SWITCH END WITH
180mm BLACK HEATSHRINK
FERRULES AT PANEL END

X AXIS	1.1m	GREY
Y AXIS	1.9m	PINK
Z AXIS	1m	PURPLE

MICROMILL
DEN - STEP CONTROL
BOARD WIRING

SHEET 5
MICROMILL
DENSTEP