

Connector	Colour	Designation	Connection
X1.1	Blue	Neutral	Mains supply
X1.2	Brown	Phase	Mains supply
X2.1	Brown	Phase	Primary connection on transformer
X2.2	Blue	Neutral	Primary connection on transformer
X3.1	White	12VAC	Secondary connection on transformer
X3.2	Black	0V	Secondary connection on transformer
X3.3	White	12VAC	Secondary connection on transformer
X4.1	Blue	Neutral	Connection on water heater
X4.2	Green	Phase	Connection on water heater
X5.1	Blue	Neutral	Connection on steam heater
X5.2	Grey	Phase	Connection on steam heater
X6.1	Purple	0V	Grinder motor
X6.2	Red	+24VDC	Grinder motor
X7.1	Green	24VDC (+/-)	Drive motor
X7.2	Yellow	24VDC (+/-)	Drive motor
X8.1	Red	+24VDC	Brewing valve
X8.2	Green	0V (switched)	Brewing valve
X8.3	Red	+24VDC	Steam boiler feeding valve
X8.4	Grey	0V (switched)	Steam boiler feeding valve
X9.1	Red	+24VDC	Fixed water valve
X8.2	Black	0V (switched)	Fixed water valve
X10.1	Black	24V	Vibration pump
X10.2	Black	24V	Vibration pump
X11.1	Red	+12VDC	Reserve
X11.2	Orange	Signal	Reserve
X11.3	Red	+12VDC	✓ Brew unit door micro switch
X11.4	White	Signal	Brew unit door micro switch
X11.5	Red	+12VDC	✓ Brew unit position micro switch
X11.6	Green	Signal	Brew unit position micro switch
X11.7	Red	+12VDC	✓ Coffee grounds container micro switch
X11.8	Purple	Signal	Coffee grounds container micro switch
X11.9	Red	+12VDC	✓ DECAF container lid micro switch
X11.10	Brown	Signal	DECAF container lid micro switch
X11.11	Yellow	Signal	Level probe
X12.1	Blue	NTC	Steam temperature sensor
X12.2	Blue	NTC	Steam temperature sensor
X13.1	Blue	NTC	Hot water temperature sensor
X13.2	Blue	NTC	Hot water temperature sensor
X14.1	Brown	+5VDC	Flow meter
X14.2	Yellow	Signal	Flow meter
X14.3	Green	0V	Flow meter
X15.1	White	+12VDC	Water tank sensor
X15.2	White	Signal	Water tank sensor
X16		RS232	Service plug
X17			Operator PCB
X18	Yellow/green	GND	Earthing terminal
X19.1		0V	
X19.2		+12VDC	
X19.3		+24VDC	
X21.1		+12VDC	Drip tray micro switch
X21.2		Signal	Drip tray micro switch
X23.1		+24VDC	Hot water valve
X23.2		0V (switched)	Hot water valve
X23.3		+24VDC	Steam valve
X23.4		0V (switched)	Steam valve
X24.1	Red	+24VDC	Fan
X24.2	Black	0V (switched)	Fan