Pin of PIC18F4585 and the uses for the SPARC system:

PIN	FUNCTIONS	ASSIGNED
1	MCLR/Vpp/RE3	Reset button (Master clear)
2	RA0/AN0	On/Off Button
3	RA1/AN1	-----
4	RA2/AN2/VREF-/CVREF	-----
5	RA3/AN3/VREF+	-----
6	RA4/TOCKL/CIOUT/RCV	-----
7	RA5/AN4/SS/HLDVIN/C2OUT	-----
8	RE0/AN5/CK1SPP	-----
9	RE1/AN6/CK2SPP	-----
10	RE2/AN7/OESPP	-----
11	VDD	Power
12	VSS	Gnd
13	OSC1/CLK1	-----
14	OSC2/CLK0/RA6	-----
15	RC0/T1OSO/T13CLK	-----
16	RC1/T1OSI/CCP2/UOE	-----
17	RC2/CCP1/P1A	-----
18	VUSB	-----
19	RD0/SPP0	-----
20	RD1/SPP1	-----
21	RD2/SSP2	-----
22	RD3/SSP3	-----
23	RC4/D-/VM	-----
24	RC5/D+/VP	-----
25	RC6/TX/CK	UART communication
26	RC7/RX/DT/SDO	UART communication
27	RD4/SPP4	-----
28	RD5/SPP5/P1B	-----
29	RD6/SPP6/P1C	-----
30	RD7/SPP7/P1D	-----
31	VSS	Power
32	VDD	Gnd
33	RB0/AN12/INT0/FLT0/SDI/SDA	
34	RB1/AN10/INT1/SCK/SCL	Movement for Z piston
35	RB2/AN8/INT2/VMO	Step for Y1 stepper
36	RB3/AN9/CCP2/VPO	Direction for Y1 stepper
37	RB4/AN11/KBI0/CSSP	Step for X1 stepper
38	RB5/KBI1/PGM	Direction for X1 stepper
39	RB6/KBI2/PGC	Step for X2 stepper
40	RB7/KBI3/PGD	Direction for X2 stepper