DECISION COMPUTER INTERNATIONAL CO., LTD.
S U P E R   1 2   B I T   A D / D A   C A R D

Card Type   Data acquisition
Chip Set   Unidentified
I/O Options   Analog/digital signal I/O
Data Bus   8-bit ISA
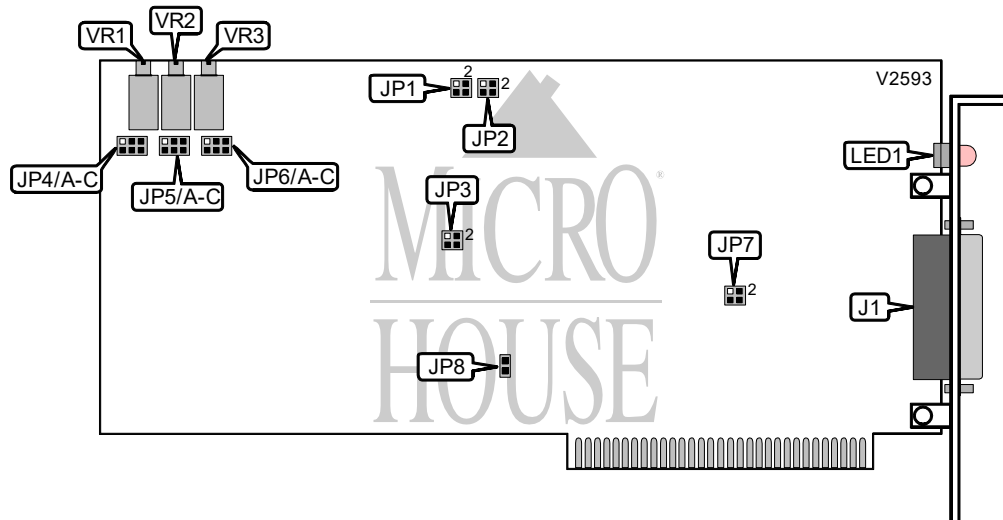
CONNECTIONS			
Function	**Label**	**Function**	**Label**
Analog/digital I/O (see pinout below)	J1	Digital-to-analog channel 1 voltage	VR2
Digital-to-analog channel 2 voltage	VR1	Analog-to-digital voltage	VR3

J1 PINOUT (SINGLE-ENDED)			
Function	**Pin**	**Function**	**Pin**
+12V DC power	1	-12V DC power	14
Digital-to-analog channel 2 output	2	Digital-to-analog channel 1 output	15
Ground	3	Analog-to-digital channel 15	16
Analog-to-digital channel 14	4	Analog-to-digital channel 13	17
Analog-to-digital channel 12	5	Analog-to-digital channel 11	18
Analog-to-digital channel 10	6	Analog-to-digital channel 9	19
Analog-to-digital channel 8	7	Analog-to-digital channel 7	20
Analog-to-digital channel 6	8	Analog-to-digital channel 5	21
Analog-to-digital channel 4	9	Analog-to-digital channel 3	22
Analog-to-digital channel 2	10	Analog-to-digital channel 1	23
Analog-to-digital channel 0	11	Ground	24
Ground	12	-5V DC power	25
+5V DC power	13		

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J1 PINOUT (DIFFERENTIAL)			
Function	**Pin**	**Function**	**Pin**
+12V DC power	1	-12V DC power	14
Digital-to-analog channel 2 output	2	Digital-to-analog channel 1 output	15
Ground	3	Analog-to-digital negative channel 7	16
Analog-to-digital positive channel 7	4	Analog-to-digital negative channel 6	17
Analog-to-digital positive channel 6	5	Analog-to-digital negative channel 5	18
Analog-to-digital positive channel 5	6	Analog-to-digital negative channel 4	19
Analog-to-digital positive channel 4	7	Analog-to-digital negative channel 3	20
Analog-to-digital positive channel 3	8	Analog-to-digital negative channel 2	21
Analog-to-digital positive channel 2	9	Analog-to-digital negative channel 1	22
Analog-to-digital positive channel 1	10	Analog-to-digital negative channel 0	23
Analog-to-digital positive channel 0	11	Ground	24
Ground	12	-5V DC power	25
+5V DC power	13		

USER CONFIGURABLE SETTINGS		
Setting	**Label**	**Position**
í Single-ended signal	JP7	Pins 1 & 3 closed
Differential signal	JP7	Pins 2 & 4 clsoed
í Base I/O address set to 170h	JP8	Closed
Base I/O address set to 160h	JP8	Open

INPUT VOLTAGE RANGE				
Setting	**JP3**	**JP6/A**	**JP6/B**	**JP6/C**
0V to 2.5V	Pins 2 & 4 closed	Closed	Open	Open
0V to 5V	Pins 2 & 4 closed	Open	Closed	Open
0V to 10V	Pins 2 & 4 closed	Open	Open	Closed
-2.5V to 2.5V	Pins 1 & 3 closed	Closed	Open	Open
-5V to 5V	Pins 1 & 3 closed	Open	Closed	Open
-10V to 10V	Pins 1 & 3 closed	Open	Open	Closed

CHANNEL 1 OUTPUT VOLTAGE RANGE				
Setting	**JP1**	**JP5/A**	**JP5/B**	**JP5/C**
0V to 2.5V	Pins 2 & 4 closed	Closed	Open	Open
0V to 5V	Pins 2 & 4 closed	Open	Closed	Open
0V to 10V	Pins 2 & 4 closed	Open	Open	Closed
-2.5V to 2.5V	Pins 1 & 3 closed	Closed	Open	Open
-5V to 5V	Pins 1 & 3 closed	Open	Closed	Open
-10V to 10V	Pins 1 & 3 closed	Open	Open	Closed

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CHANNEL 2 OUTPUT VOLTAGE RANGE					
Setting	JP2	JP4/A	JP4/B	JP4/C
0V to 2.5V	Pins 2 & 4 closed	Closed	Open	Open
0V to 5V	Pins 2 & 4 closed	Open	Closed	Open
0V to 10V	Pins 2 & 4 closed	Open	Open	Closed
-2.5V to 2.5V	Pins 1 & 3 closed	Closed	Open	Open
-5V to 5V	Pins 1 & 3 closed	Open	Closed	Open
-10V to 10V	Pins 1 & 3 closed	Open	Open	Closed

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
LED1	Red	On	Card is operating
LED1	Red	Off	Card is not operating