

# Ethernet/RS232 Econo 1-8 axes

## DMC-21x3 Series

### Connectors—DMC-21x3

#### Axis 1-4 DMC-21x3 J4

##### 96-pin DIN; Connector DIN 41612

1 Ground	33 Ground	65 Ground
2 PWM/step W	34 Sign/dir W	66 Motor command W
3 PWM/step Z	35 Sign/dir Z	67 Motor command Z
4 PWM/step Y	36 Sign/dir Y	68 Motor command Y
5 PWM/step X	37 Sign/dir X	69 Motor command X
6 Amp enable W	38 Ground	70 Output compare
7 Amp enable X	39 Amp enable Y	71 Amp enable Z
8 Home W	40 Reverse limit W	72 Forward limit W
9 Home Z	41 Reverse limit Z	73 Forward limit Z
10 Home Y	42 Reverse limit Y	74 Forward limit Y
11 Home X	43 Reverse limit X	75 Forward limit X
12 Latch X/Input 1	44 Latch Y/Input 2	76 Latch Z/Input 3
13 Latch W/Input 4	45 Input 5	77 Input 6
14 Input 7	46 Input 8	78 Abort*
15 Output 3	47 Output 2	79 Output 1
16 Output 5	48 Ground	80 Output 4
17 Output 8	49 Output 7	81 Output 6
18 A+ X	50 A- X	82 B+ X
19 B- X	51 I+ X	83 I- X
20 A+ Y	52 A- Y	84 B+ Y
21 B- Y	53 I+ Y	85 I- Y
22 A+ Z	54 A- Z	86 B+ Z
23 B- Z	55 I+ Z	87 I- Z
24 A+ W	56 A- W	88 B+ W
25 B- W	57 I+ W	89 I- W
26 Ground	58 Ground	90 Ground
27 AA+ X	59 AA- X	91 AB+ X
28 AB- X	60 AA+ Y	92 AA- Y
29 AB+ Y	61 AB- Y	93 AA+ Z
30 AB+ Z	62 AA+ W	94 Error Output*
31 -12 V Output	63 Reset*	95 +12 V Output
32 5 V Output	64 5 V Output	96 5 V Output

\*Active low

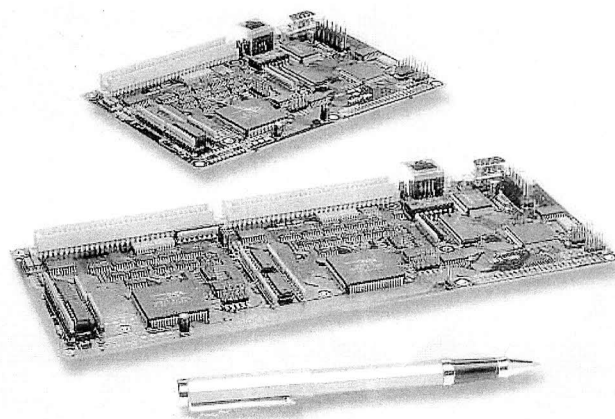
Note: The DMC-21x3 comes standard with 96-pin DIN pins UP. It is also available with connector pins at a right angle and facing down.

#### Axis 5-8 DMC-21x3 J5

##### 96-pin DIN; Connector DIN 41612

1 Ground	33 Ground	65 Ground
2 PWM/step H	34 Sign/dir H	66 Motor command H
3 PWM/step G	35 Sign/dir G	67 Motor command G
4 PWM/step F	36 Sign/dir F	68 Motor command F
5 PWM/step E	37 Sign/dir E	69 Motor command E
6 Amp enable H	38 Ground	70 Output compare 2
7 Amp enable E	39 Amp enable F	71 Amp enable G
8 Home H	40 Reverse limit H	72 Forward limit H
9 Home G	41 Reverse limit G	73 Forward limit G
10 Home F	42 Reverse limit F	74 Forward limit F
11 Home E	43 Reverse limit E	75 Forward limit E
12 Latch E/Input 9	44 Latch F/Input 10	76 Latch G/Input 11
13 Latch H/Input 12	45 Input 13	77 Input 14
14 Input 15	46 Input 16	78 Reserved
15 Output 11	47 Output 10	79 Output 9
16 Output 13	48 Ground	80 Output 12
17 Output 16	49 Output 15	81 Output 14
18 A+ E	50 A- E	82 B+ E
19 B- E	51 I+ E	83 I- E
20 A+ F	52 A- F	84 B+ F
21 B- F	53 I+ F	85 I- F
22 A+ G	54 A- G	86 B+ G
23 B- G	55 I+ G	87 I- G
24 A+ H	56 A- H	88 B+ H
25 B- H	57 I+ H	89 I- H
26 Ground	58 Ground	90 Ground
27 AA+ E	59 AA- E	91 AB+ E
28 AB- E	60 AA+ F	92 AA- F
29 AB+ F	61 AB- F	93 AA+ G
30 AB+ G	62 AA+ H	94 Error Output*
31 -12 V Output	63 Reset*	95 +12 V Output
32 5 V Output	64 5 V Output	96 5 V Output

CONTROLLERS—ETHERNET



DMC-2143/2183 cards  
(vertical connector mount;  
96-pin in UP configuration)