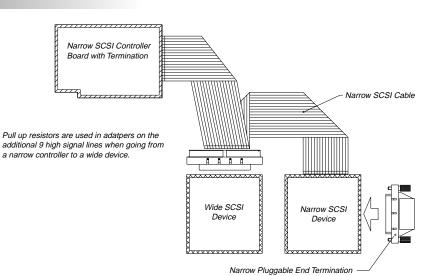


# Adapters

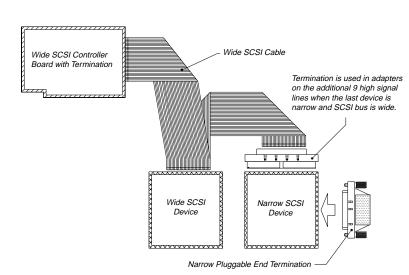
#### **Narrow to Wide Adapters**

DM5000-5068-11 SP5000-5068-11 DM5000-5068-18 DM5000-5068-23 DM5000-5068-33 SP5000-5068-43 DM5000-5068-47



#### Wide to Narrow Adapters with High 9 Termination

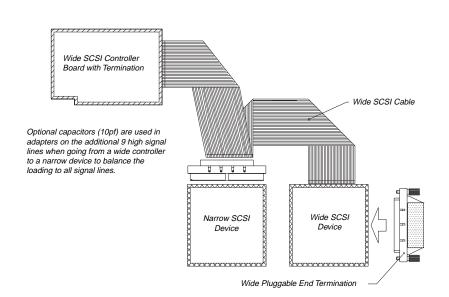
DM5000-5068-05 DM5000-5068-06 DM5000-5068-07 DM5000-5068-08 DM5000-5068-12 DM5000-5068-17 DM5000-5068-25 DM5000-5068-27 DM5000-5068-30 DM5000-5068-31 DM5000-5068-34 DM5000-5068-36 DM5000-5068-37 DM5000-5068-41 DM5000-5068-44 DM5000-5068-46 DM5000-5068-50



#### Wide to Narrow Adapters

DM5000-5068-01 SP5000-5068-01 DM5000-5068-02 SP5000-5068-02 DM5000-5068-03 DM5000-5068-04 DM5000-5068-13 SP5000-5068-13 DM5000-5068-15 DM5000-5068-16 DM5000-5068-19 DM5000-5068-24 DM5000-5068-26 DM5000-5068-28 DM5000-5068-32 DM5000-5068-35 DM5000-5068-39

DM5000-5068-42







**DM5000** 50 Position Low Density Male 68 Position High Density Male

### **Specifications**

#### **Contact Material:**

Phosphor bronze, selective gold over nickel plated

#### **Insulator Material:**

Reinforced thermoplastic, rated UL 94V-0

#### **Housing Material:**

Reinforced thermoplastic, rated UL 94V-0

#### Circuit **Part Number**

**DM5000 -** 5068 - 03 = Single-Ended w/ Cap on High

04 = Universal Feed thru Open High Lines

07 = Single-Ended, Regulated High Lines

08 = Single-Ended, ADR High Lines

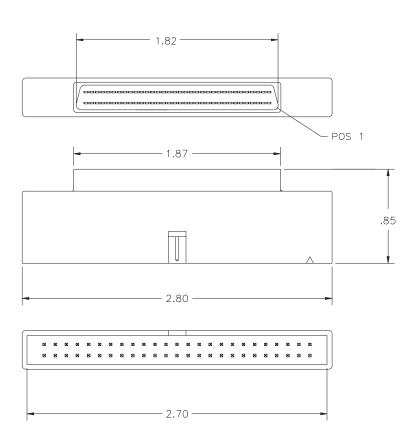
11 = 330 OHM and 10K High Lines

12 = Differential High Lines

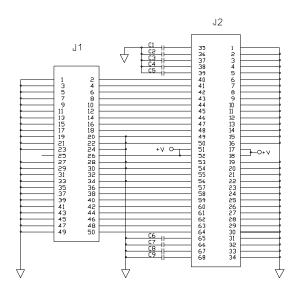
- 5050 - 14 = Direct Feed Thru

**SP5000** - 5068 - 11 = 10K on High Lines

43 = 4.7K to Term Power



#### DM5000-5068



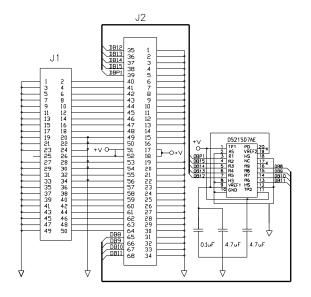
C1-C9 = 10pF. J1 = 50 POS LOW DENSITY MALE J2 = 68 POS HIGH DENSITY MALE

#### DM5000-5050-14

	<u>J1</u>			_	J2_
1		2		<b>-</b> 26	7. ₁
3	J	4	•	<b>-</b> 27	Z ₁
5	J	6	•	<b>-</b> 28	7. ₃
7		8	•	- Z9	7. ₄
9	<b>J</b> 1	0	•	<b>-</b> 30	Ղ 5
11	<b>J</b> 1	2	•	<b>→</b> 31	L 6
13		4	٥	- 32	7 - 7
15		6	•	<b>⊸</b> 33	_ 8
17	- 1	8	•	<b>→</b> 34	L, g
19	J 2	O	٥	- 35	Ղ_ 10
21		2		<b>⊸</b> 36	<b>1</b> 1
23		4	•	<b>-</b> 37	T_ 12
25		6	•	<b>-</b> 38	13 مـا
27		8	•	<b>→</b> 39	<u></u> 14
29		О	•	<b>- 4</b> 0	15 مــا
31	-J 3	2	•——	<b>→</b> 41	L 16
33		4	•——	<b>→</b> 42	L 17
35		6	•	<b>-</b> 43	T⊸ 18
37	J 3	8	•	→ 44	L 19
39		0	•	<b>-</b> 45	7_20
41		2	•	<b>-</b> 46	L <sub>21</sub>
43		4	•	<b>→</b> 47	<sub>22</sub>
45	- 4	6	•	- 48	L <sub>23</sub>
47	- 4	8	•	<b>-</b> 49	L <sub>24</sub>
49	<b>-</b> -	0	•	<b>-</b> 50	7 <sub>-25</sub>

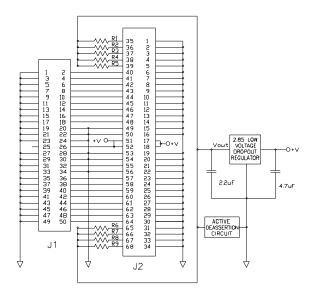
J1 = 50 POS LOW DENSITY MALE J2 = 50 POS HIGH DENSITY MALE

#### DM5000-5068-07



J1 = MALE LOW DENSITY 50 POS. J2 = MALE HIGH DENSITY 68 POS.

#### DM5000-5068-08



R1-R9 = 110 Ohms. J1 = MALE LOW DENSITY 50 POS. J2 = MALE HIGH DENSITY 68 POS.

#### DM5000-5068-11

	J2		
	-W-RL-35	1 - AAA R10	_
	W R2 35	2 - AAA RII	Ī
		2 -VVV	1
	_ vvv	3 - 777	1
<u>J1</u>	_ ***	4	1
	_ VVV39	2 - 777	‡
1 - 2 -	* 40	L- 6	
3 - 4	→ 41	L 7	
5- 6-	- 42	_ L- B	
7 ← 8 ←	→43	و با	
9 - 10 -	- 44	_∟10	
11 - 12 -	- 45	<b>1</b> ∟11	
13 - 14 -	→ 46	7⊾ <sub>12</sub>	
15 - 16 -	→ 47	T⊸13	
17 - 18 -	- 4B	<b>1</b> 4	
19 - 20 -	- 49	<b>1</b> 5	
21 - 22 -	15D	<b>1</b> -16	
23 NC 24 NC	t 51	†17	1
25 NC 26 ←	+V 52	-l <sub>18</sub>	GRND.
27 NC 28 NC	531	IC 19NC	
29 - 30 -	- 54	L <sub>20</sub>	1
31 - 32 -	→ 55	L <sub>21</sub>	Ī
33 - 34 -	→ 56	<b>1</b> .22	
35 - 36 -	- 57	7∟ <sub>23</sub>	
37 - 38 -	→58	L- <sub>24</sub>	
39 - 40 -	- 59	7. <sub>25</sub>	
41 - 42 -	→ 6D	7.26	
43 - 44 -	61	7 <sub>-27</sub>	
45 46 -	- 62	L <sub>28</sub>	
47 - 48 -	→63	7.29	
49 - 50 -	- 64	L <sub>30</sub>	1
	W R6 65	31 - W RIS	1
	-W-R7→66	32 - W RI6	1
	W R8 67	33 - W RIZ	1
	W R9 6B	34 ← W RI8	1
	00		

R10-R1B = 330 OHMS R1-R9 = 10K OHMS J1 = 50 POS LOW DENSITY MALE J2 = 68 POS HIGH DENSITY MALE

#### DM5000-5068-12

	P1 R19 W		
	35 R20AAA	1 L-VV R10	1
	-W36 R21	2 L <sub>W</sub> RIL	ł
	WV R3 37 R22444	3 L_W_R12	ł
J1	-W-17 38 pag	4 M R13	ł
<u> </u>	-W-R5 39	5 L-VV R14	ł
1 - 2 -	→ 4D	L 6	1
3 4	<b>→</b> 41	L, 7	
5 6 6	42	Le	
7 - 8	<b>-</b> 43	L, g	
9 - 10 -	- 44	<b>1</b> 0	
11 - 12 -	<b>→</b> 45	<b>1</b> 11	
13 - 14		L <sub>12</sub>	
15 16 -	47	L-13	
17 - 18 -	- 48	L 14	
19 - 20 -	49	<sup>1</sup> →15	
21 - 22 -	+5D	L-16	
23 NC 24 NC	51	<sub>[</sub> 17	ĺ
25 NC 26	+V 52	18	GRND.
27 NC 28 NC	53 NC	19 NC	
29 - 30 -	→ 54	1 <sub>20</sub>	
31 - 32 -	→ 55	L-21	Ī
33 - 34	→ 56	L <sub>22</sub>	
35 - 36 -		L <sub>23</sub>	
37 - 38 -	58	L₁24	
39 40	59	_ <sub>25</sub>	
41 - 42 -	→6D	L- <sub>26</sub>	
43 - 44 -	→61	1 <sub>27</sub>	
45 46	62	1 <sub>28</sub>	
47 - 48 -	-63	L <sub>29</sub>	
49 - 50 -	64 R24144	L-30	İ
	100 R6 1 65 ***	31 L <sub>W</sub> R15	ł
	W R7 66 m	32 -W R16	ł
	W R8 67 R27W	33 W R17	ļ
	W 89 68	34 W R18	l
	• • • • • • • • • • • • • • • • • • • •		

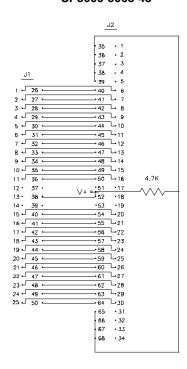
R19-R27 = 150 DHMS R1-R18 = 330 OHMS J1 = 50 POS LOW DENSITY MALE J2 = 68 POS HIGH DENSITY MALE

#### SP5000-5068-11

	J2	
	-WA-35 1 ·	
	-W-R2→36 2・	
	-W-R3 37 3 ·	
J1	-W√-R4 38 4 •	
	-W/- <sup>R5</sup> →39 5+	
1 - 2	40 - 6	
3 - 4	-41	
5 - 6 -	42 6	
7 <b>- 8</b>	-43	
9 10 -	-44 10	
11 - 12 -	-45 └-11	
13 ← 14 ←	-46 12	
15 - 16 -	-47 □13	
17 - 18 -	-48 14	
19 - 20 -	-49 -15	
21 - 22 -	50 16	
23 NC 24 NC	, 51 p17	
25 NC 26	+V 52 18	GRND,
27 NC 28 NC	53 NC 19 NC	
29 - 30	-54 -20	
31 - 32 -		
33 - 34	56 -22	
35 - 36 -	57 →23	
37 - 38	-58 -24	
39 - 40 -	→59 →25	
41 - 42 -	60	
43 ← 44 ←	-61 -27	
45 46	62 -28	
47 - 48 -	63 →29	
49 - 50	64 -30	
	W R6 65 31 ·	
	VW-R7 66 32 °	
	-WR8→67 33 •	
	W R9 68 34 °	

R1-R9 = 10KOhms. J1 = 50 POS LOW DENSITY MALEJ2 = 68 POS HIGH DENSITY MALE

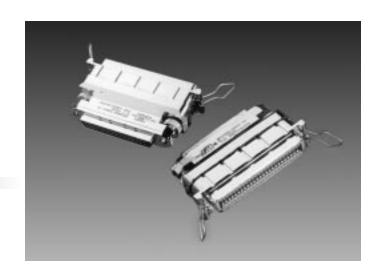
#### SP5000-5068-43



J1 = MALE LOW DENSITY 50 POS. J2 = MALE HIGH DENSITY 68 POS.



**DM5000** 50 Centronic Female x 68 Position High Density Male



#### **Part Number**

#### Circuit

**DM5000 -** 5068 - 31 = Single-ended Regulated High

34 = Differential High Lines

35 = Open High Lines - Grounds Bussed

36 = Single-Ended Passive High Lines

### **Specifications**

#### **Contact Material:**

Phosphor bronze, selective gold over nickel plated

#### **Insulator Material:**

Reinforced thermoplastic, rated UL 94V-0

#### **D-Shape Housings & Cover:**

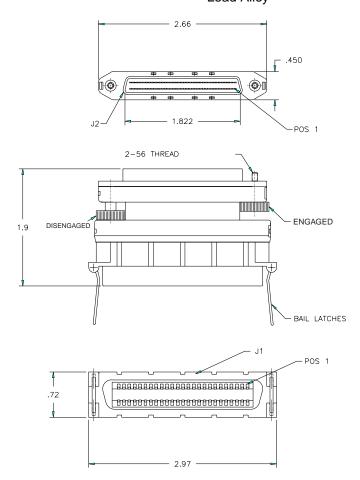
Thermoplastic, plated copper, nickel, chrome

#### PCB:

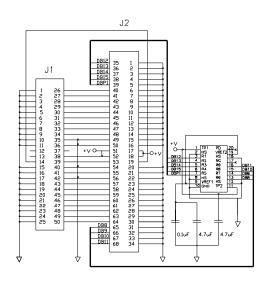
FLGFN B2B MIL-P-13949, rated UL 94V-0

#### Thumb-Screw:

Lead Alloy

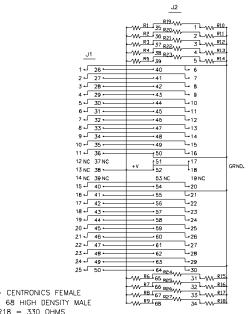


#### DM5000-5068-31



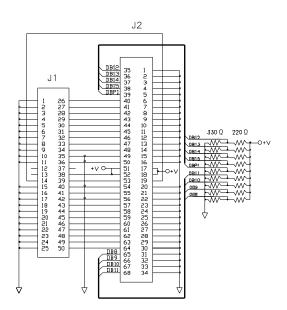
J1 = CENTRONICS FEMALE J2 = 68 HIGH DENSITY MALE

#### DM5000-5068-34



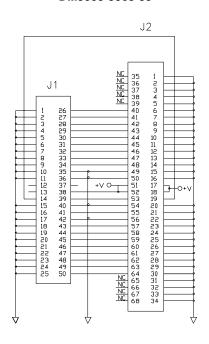
J1 = CENTRONICS FEMALE J2 = 68 HIGH DENSITY MALE R1-R18 = 330 OHMS R19-R27 = 150 OHMS

#### DM5000-5068-36



J1 = CENTRONICS FEMALE J2 = 68 HIGH DENSITY MALE

#### DM5000-5068-35



J1 = CENTRONICS FEMALE J2 = 68 HIGH DENSITY MALE



**DM5000** 50 Low Density Male x 68 High Density Male



#### **Part Number**

#### Circuit

**DM5000 -** 5068 - 25 = Regulated High Lines

- 39 = Open High Lines

- 47 = 4.7K to Term Power

### **Specifications**

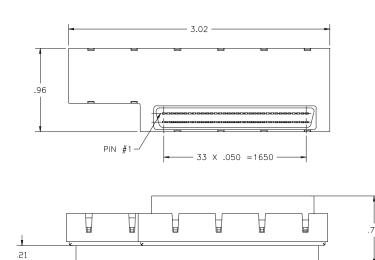
#### **Contact Material:**

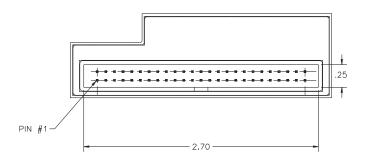
Phosphor bronze, selective gold over nickel plated PCB:

FLGFN B2B MIL-P-13949, rated UL 94V-0

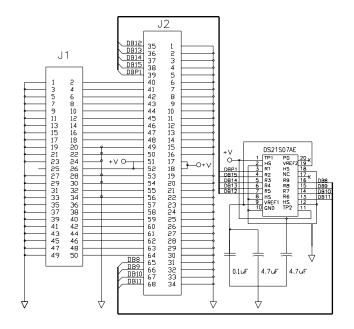
#### **Housing Material:**

Reinforced thermoplastic, rated UL 94V-0



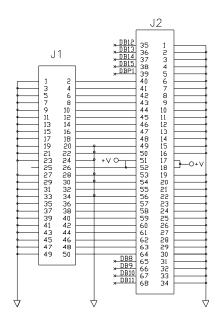


#### DM5000-5068-25



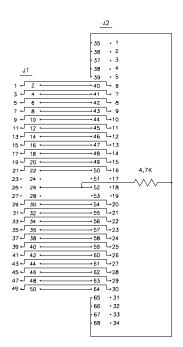
J1 = MALE LOW DENSITY 50 POS. J2 = MALE HIGH DENSITY 68 POS.

#### DM5000-5068-39



J1 = MALE LOW DENSITY 50 POS. J2 = MALE HIGH DENSITY 68 POS.

#### DM5000-5068-47



J1 = MALE LOW DENSITY 50 POS.
J2 = MALE HIGH DENSITY 68 POS.



**DM5000** 50 Position Centronic Male x 68 Position High Density Female



### Circuit **Part Number DM5000 -** 5068- 05 = Single-Ended, Regulated High - 06 = Single-Ended, ADR High Lines - 17 = Differential High Lines - 42 = Open High Lines - 44 = Fast 20 High Lines

### **Specifications**

#### **Contact Material:**

Phosphor bronze, selective gold over nickel plated

#### **Insulator Material:**

Reinforced thermoplastic, rated UL 94V-0

#### **Housing Material:**

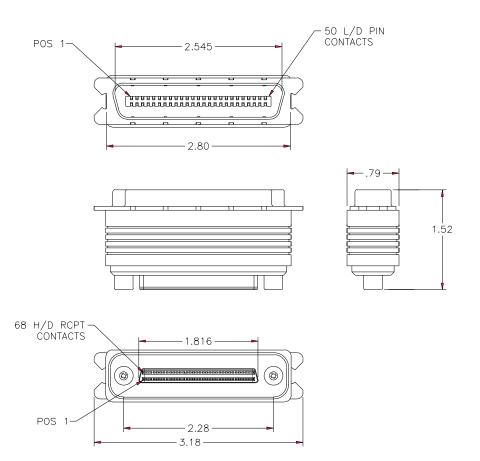
ABS thermoplastic, plated copper, nickel, chrome

### **Grey over Mold Cover:**

Reinforced thermoplastic, rated UL 94V-0

#### PCB:

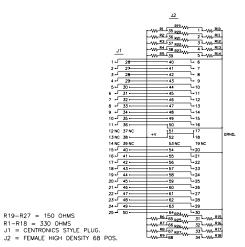
FLGFN B2B MIL-P-13949, rated UL 94V-0



#### DM5000-5068-05 / DM5000-5068-06

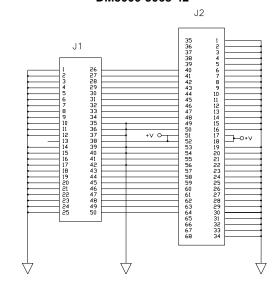
# 

### DM5000-5068-17



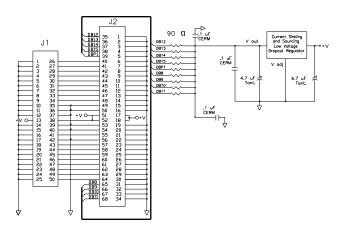
J1 = CENTRONICS STYLE PLUG. J2 = FEMALE HIGH DENSITY 68 POS.

#### DM5000-5068-42



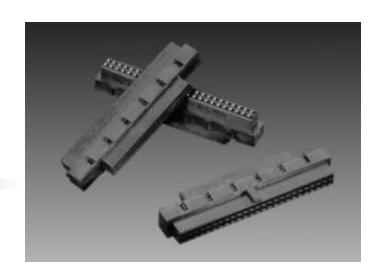
J1 = CENTRONICS STYLE PLUG J2 = FEMALE HIGH DENSITY 68 POS.

#### DM5000-5068-44





**DM5000** 50 Position Low Density Female x 68 Position High Density Female



#### **Part Number** Circuit **DM5000 -** 5068 - 01 = Single-Ended with Capacitors on High Lines - 02 = Universal Feed Thru with Capacitors on High Lines - 32 = Universal Feed Thru with Capacitors on High Lines -Right Angle - 37 = S.E. Active High Lines = Differential High Lines **SP5000** - 5068 - 01 = Single-Ended Open High Lines - 02 = Universal Feed Thru with Open High Lines - 13 = Custom Circuit

### **Specifications**

#### **Contact Material:**

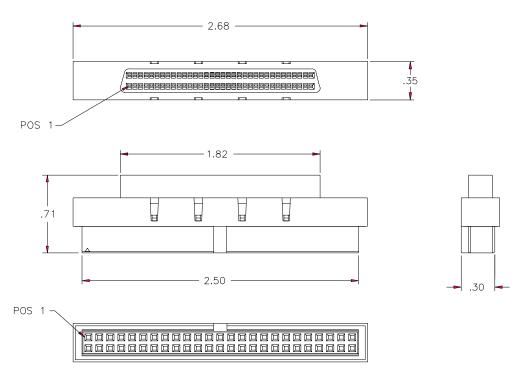
Phosphor bronze, selective gold over nickel plated

#### **Insulator Material:**

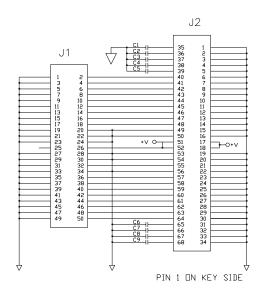
Reinforced thermoplastic, rated UL 94V-0

#### **Housing Material:**

Reinforced thermoplastic, rated UL 94V-0

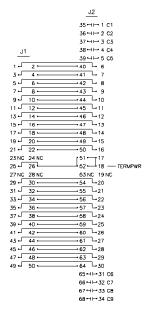


#### DM5000-5068-01



C1-C9 = 10pF. J1 = 50 POS LOW DENSITY FEMALEJ2 = 68 POS HIGH DENSITY FEMALE

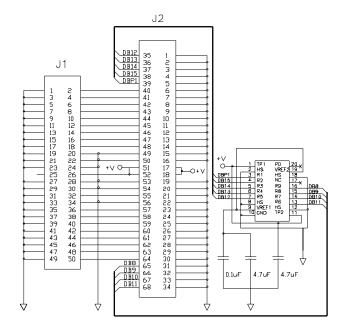
### DM5000-5068-32



CI-C9 = 10pF.

J1 = 50 POS LOW DENSITY FEMALE J2 = 68 POS HIGH DENSITY FEMALE

#### DM5000-5068-37



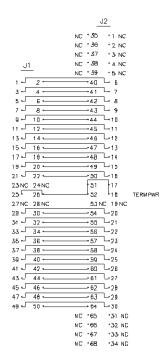
J1 = FEMALE LOW DENSITY 50 POS. J2 = FEMALE HIGH DENSITY 68 POS.

### DM5000-5068-41

	_J2_	
	- M R1 .35 R19 1 - M R10	
	777	
		ì
	W K3 +31 W 3+ W KIE	1
	100 R4 38 R22 4 100 R13	l
<u>J1</u>	AAA R5 .39 R23 5 . AAA R14	
1 - 2 -	700 - 000	1
1 → 2 ← − − − − − − − − − − − − − − − − − −	40	
7- 8-	42 L 8	
9- 10-	44 10	
11 - 12 -	45 -11	
13- 14-	46 -12	
15 16	47 -13	
17 - 18 -	48 14	
19 - 20 -	49 -15	
21 - 22 -	150 16	
23 NC 24 NC	151 117	ł
25 NC 26	+V 52 18	GRND.
27 NC 28 NC	53 NC 19 NC	
29 - 30 -	54 -20	
31 - 32 -	- 55 -21	Ì
33 - 34 -	56 →22	
35 € 36 €	-57 1-23	
37 - 38 -	58 -24	
39 - 40 -	59 -25	
41 - 42 -	60 -26	
43 - 44 -	61 427	
45 - 46 -	62 -28	
47 - 48 -	63 -29	
49 - 50 -	→ 64 → 30	i
	M R6 .65 R24 31 . M R15	
	AAA R7 .66 R25 32 . AAA R16	
	VVV VVV	
	W K8 6/ W 33 - W KI/	ł
	L M R9 .68 M 34 . M R18	ļ

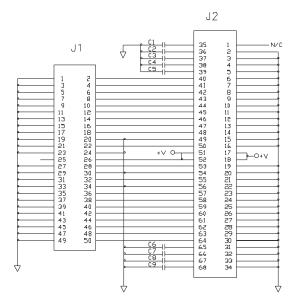
R1-R18 = 330 OHMS R19-R27 = 150 OHMS J1 = 50 POS LOW DENSITY FEMALE J2 = 68 POS HIGH DENSITY FEMALE

#### SP5000 - 5068 - 02

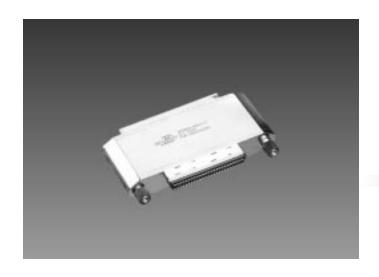


J1 = 50 POS LOW DENSITY FEMALE J2 = 68 POS HIGH DENSITY FEMALE

#### SP5000 - 5068 - 13



J1 = 50 POS LOW DENSITY FEMALE J2 = 68 POS HIGH DENSITY FEMALE C1-C9 = 10pF.





## **DM5000** High Density x High Density

#### **Specifications**

#### **Contact Material:**

Phosphor bronze, selective gold over nickel plated **Insulator Material:** 

Reinforced thermoplastic, rated 94V-0

#### **D-Shape Housings and Cover:**

ABS thermoplastic, plated copper, nickel, chrome

#### Part Number Circuit

**DM5000 -** 6868 - 20 = External Feed Thru (68F x 68F)

5068 - 26 = Capacitors on the High 9 Signal Lines (50M x 68F)

5068- 27 = Differential on the High 9 Signal Lines (50F x 68M)

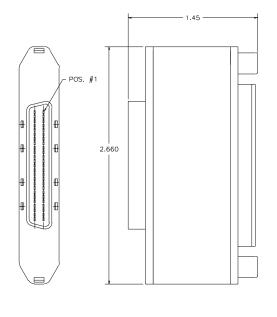
5068 - 28 = Capacitors on the High 9 Signal Lines (50F x 68M)

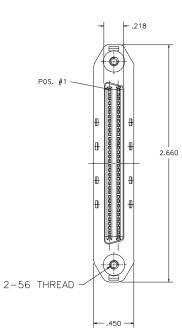
5068 - 29 = Internal Feed Thru (68M x 68M)

5068 - 30 = Active High 9 Signal Lines (50F x 68M)

5068 - 46 = Active High 9 Signal Lines(50F x 68M)

5068 - 50 = Active High 9 Signal Lines (50M x 68F)





#### DM5000 - 5068 - 26

	J1
	35 ←   C1 → 1
	36 ←     <del>CZ</del> → 2
	37 ←   C3 3
P1	38 •——    C4 4
_	39 ←    □5 → 5
1 - 26 -	40
2 - 27 -	-41 - 7
3 - 28 -	-42 - 8
4 - 29 -	-43 → 9
5 - 30 -	-44 -10
6 - 31 -	-45 411
7 - 32 -	-46 -12
8 - 33 -	-47 →13
9 - 34 -	-48 -14
10 - 35 -	-49 15
11 - 36 -	50 16
12 • 37 •	<del>  51   1</del> 7
13 • 38 ←	18
14 - 39 ←	-53 -19
15 40 -	→ 54 →20
16 41 -	- 55 - 21
17 42 -	- 56 - 22
18 - 43 -	-57 -23
19 44 -	- 58 - 24
20 45	→ 59 → 25
21 46 -	50 →25
22 47	
23 48 -	62 →28
24 49 -	63 -29
25 - 50 -	64
	68 ← 1   €9 34

J1 = FEMALE HIGH DENSITY 68 POS. P1 = MALE HIGH DENSITY 50 POS. C1-C9 = 10pF

#### DM5000 - 5068 - 28

	P1
	35 ←   C1 1
	36 - 1 C2 2
	37 - IC3 3
J1	38 4
	39
1 - 26 -	40 6
2 - 27 -	-41
3 - 28 -	-42 - 8
4 - 29 -	-43 49
5 - 30 -	44 L1D
6 - 31 -	45 11
7 - 32 -	46 <sup>1</sup> 2
8 - 33 -	47 13
9 - 34	48 └-14
10 - 35 -	49 15
11 - 36 -	→50 →16
12 • 37 •	17
13 · 3B ·	<del></del>
14 ← 39 ←	-53 -19
15 € 40 ←	542D
16 - 41 -	55
17 42	56
18 43 -	57
19 € 44 €	58 -24
20 - 45 -	59 →25
21 - 46 -	
22 47	61
23 48	62 - 28
24 - 49 -	63 →29
25 → 50 ←	64 1-3D
	65 ←    C6 → 31
	66 ←     <del>C7</del> 32
	67 - II C8 33
	68 - IIC9 34

J1 = FEMALE HIGH DENSITY 50 POS. P1 = MALE HIGH DENSITY 68 POS. C1-C9 = 10pF

#### DM5000 - 5068 - 27

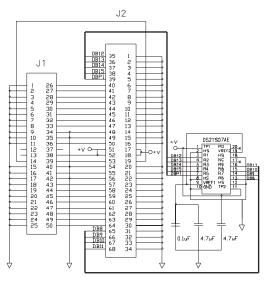
	<u>J2</u>	
J1 1	R1 35 R20 1 2 W R3 37 R22 W 3 3 W R4 38 R23 M 4 W	W RIJ W RIZ W RIZ W RIZ GRND.
33 - 34	- 56 - 22	
35 - 36 - 38 -	57	
39 40	59 -25	
41 42	60 26	
43 44	61 27	
45 46	62 28	
47 - 48 -	63 29	
49 - 50 -		
** - Ju	64 R24 W 30 31 W R7 66 R26 W 32 W R8 67 R27 W 33 W R8 68 88 W 34 W 89 68	W R15 W R16 W R17

J1 = FEMALE HIGH DENSITY 50 POS. J2 = MALE HIGH DENSITY 68 POS.

#### DM5000 - 6868 - 20 (Female to Female) DM5000 - 6868 - 29 (Male to Male)



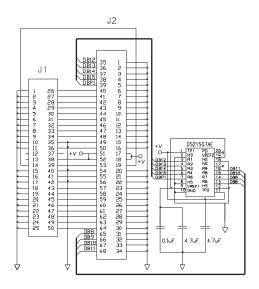
#### DM5000 - 5068 - 46



J1 = FEMALE HIGH DENSITY 50 POS.

J2 = MALE HIGH DENSITY 68 POS.

#### DM5000 - 5068 - 50

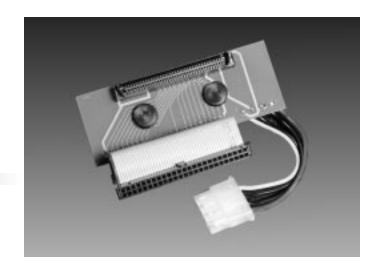


J1 = MALE HIGH DENSITY 50 POS.

J2 = FEMALE HIGH DENSITY 68 POS.



### **DM5000**



#### **Part Number**

**DM5000 -** 80XX - 40 = 80 pin SCA Female x 68 HDF, Active Negation Termination

- 45 = SCA-2 Extender
- 48 = 80 pin SCA Female x 68 HDF, Active Negation Termination
- 51 = 80 pin Male x 50 LDF Ribbon
   Cable with Power Receptacle on
   Cable No Termination
- 52 = 80 pin Female x 68 HDF No Temination, use on LVD
- 53 = 80 pin Female x 68 LDF with Power Receptacle
- 54 = 80 pin Male x 68 LDF with Power Receptacle on Cable-No Termination

#### **Specifications**

#### **Insulator Material:**

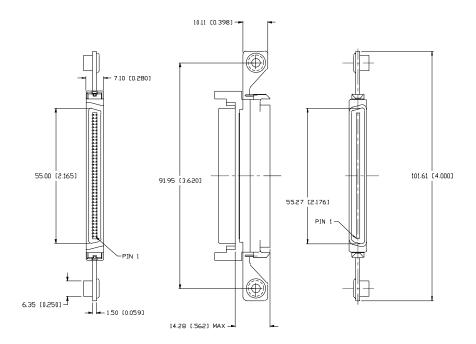
Reinforced thermoplastic, rated UL 94V-0

#### **Plating Material:**

Plug contacts plated .000020" min Au over .000050" Ni socket contacts plated .000005" Au flash over palladium Ni

#### **Circuit Board:**

FR 4 material rated Class III (thickness + .0003")



<u></u>	J2
1 41	41 L₁
2 √ 42 ←	42 L 2
3 - 43 -	_43 L 3
4 - 44	-44 4
5- 45-	45 L 5
6 - 46 -	-46 6
7 - 47 -	-47 L 7
8 - 48	48 L g
9 - 49 -	روما 49
10 - 50 -	50 L <sub>10</sub>
11 51	51 L <sub>11</sub>
12 52 -	52 L <sub>12</sub>
13 - 53 -	_53 L <sub>15</sub>
14 - 54 -	54 L <sub>14</sub>
15 - 55 -	55 L <sub>15</sub>
15. 56.	-56 L <sub>16</sub>
17 - 57 -	-57 L <sub>17</sub>
18 J 58 -	58 L <sub>18</sub>
19 59	59 L <sub>19</sub>
20 - 50 -	-60 L <sub>2D</sub>
21 51	61 L <sub>21</sub>
22 52 -	62 L <sub>22</sub>
23 - 63 -	63 L <sub>25</sub>
24 - 64	64 L <sub>24</sub>
25 - 65 -	65 L₂5
26 - 56 -	66
27 - 67 -	67 L <sub>27</sub>
28 - 58 -	68 L₂8
29 - 69 -	69 L <sub>29</sub>
30 - 70 -	
31 - 71 -	71 L <sub>31</sub>
32 - 72 -	72
33 - 73 -	-73 L33
34 - 74	74 L-34
35 75	7 <u>6</u> 35
36 √ 76 ←	76 L36
37 - 77 -	
36 √ 78 -	78 L36
39 - 79 -	
40 - BD -	80 L40

DM5000-8080-45