D-Subminature Talking Dog



<u>B</u>

 $\frac{M}{3}$

<u>E</u>

<u>25</u>

<u>P</u>

 $\frac{V}{7}$

K87

1. D - Calls out D Subminature connector

2. Shell Size E - A - B - C - D Signal contacts E=9 (15), A=15 (26), B=25 (44), C=37 (62), D=50 (78)

(high density layout)

number of signal contacts will vary for Combo-D connectors

3. Class No Designator Original D* Series - one piece insulator

M One piece insulator - commercial

MM One piece insulator - materials, finishes, and inspection in

accordance with Mil-C-24308 where applicable

MA Little Caesar rear release contact retention assembly
MAM Little Caesar rear release contact retention assembly materials, finishes, and inspection in accordance with

Mil-C-24308 where applicable.

C Contact retaining tines, BURGUN-D insulator U Contact retaining tines, 94-O black insulator

4. Mounting Type

Standard 0.120" diameter mounting hole
4-40 Rivnut, Bracket and Boardlock
4-40 Rivnut, Bracket and 4-40 Screwlock
#4-40 clinch nut for rear panel mounting
Float mount for rear panel mounting (rivet & washer)
4-40 Rivnut, Bracket, Boardlock & 4-40 Screwlock
.300 in Standoff and 4-40 Screw Lock
4-40 Rivnut, Bracket, Boardlock & M-3 Screwlock
0.154" diameter mounting hole- No hardware
M-3 Rivnut, Bracket and Boardlock
4-40 Standoff, Boardlock & 4-40 Screwlock
4-40 Rivnut, Bracket and M-3 Screwlock
4-40 Rivnut, Bracket
M-3 Standoff & Boardlock
Reverse float mount for front panel mounting (rivet & washer)
M-3 Rivnut & Bracket
M-3 Standoff /Could also call out a TOOL for crimp connector
4-40 Standoff, Boardlock & M-3 Screwlock
4-40 Standoff
.300 in Standoff and M-3 Screw Lock
M-3 Clinch Nut
Dual float mount for both front and rear panel mounting
4-40 Standoff & Boardlock

5. Contact Arrangements

Shell size	# of contacts
E	9/15
Α	15/26
В	25/44
С	37/62
D	50/78

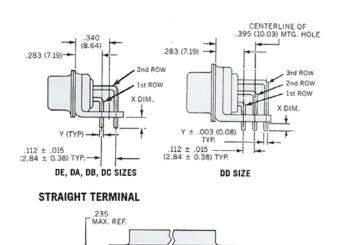
6. Contact Type

P Pin S Socket



7. Printed Circuit Terminal Modifier

		Right	Angle	X	
Code	Straight	With	Without	+/- 027	Y
		Bracket	Bracket	(.69)	
Α		•		.127 (3.22)	.040 (1.02)
В	•			.127 (3.22)	.040 (1.02)
С			•	.127 (3.22)	.040 (1.02)
D		•		.127 (3.22)	.030 (0.76)
E	•			.127 (3.22)	.030 (0.76)
F			•	.127 (3.22)	.030 (0.76)
G		•		.158 (4.01)	.040 (1.02)
Н	•			.158 (4.01)	.040 (1.02)
K			•	.158 (4.01)	.040 (1.02)
L		•		.158 (4.01)	.030 (0.76)
M	•			.158 (4.01)	.030 (0.76)
Р			•	.158 (4.01)	.030 (0.76)
R			•	.183 (4.65)	.030 (0.76)
S		•		.183 (4.65)	.030 (0.76)
W		•		.183 (4.65)	.040 (1.02)
X	•			.183 (4.65)	.040 (1.02)
Z	•			.183 (4.65)	.030 (0.76)
Connect	ors are furn		or without		
	plastic	bracket	1		
N	•			.198 (5.03)	.030 (0.76)



X DIM.

	plastic	bracket			
N	•			.198 (5.03)	.030 (0.76)
J			•	.166 (4.22)	.030 (0.76)
Т		•		.166 (4.22)	.030 (0.76)
Y	•			.186 (4.72)	.025 (0.64)
V			•	.197 (5.00)	.025 (0.64)

Note: Straight printed circuit M and Z codes, "MM" and MIL-SPEC versions are be shipped with two 253-0343-000 spacers.

Special Printer Circuit Terminal Modifier for D*U and D*C connectors:

Right Angle Terminal		
AA	Stamped contacts with bracket	
AD	Machined contacts with bracket	
CA	Stamped contacts with metal bracket	
Straight Terminal		
BB	Stamped contacts	
BF	Machined contacts	



8. Modification Code--See Cannon Deviation book for more complete listing of modifications

A101	Yellow Chromate coating over Cadmium
A183	Yellow Chromate coating over Zinc
A197	Tin/lead shells (SKT only)
F0	Connector without contacts (F0 will not be printed on the connector)
F171	Jackscrew assy shipped with parts(not assembled) regular front shells
F172	Jacknut (hardware is assembled here) takes float front shell
F173	Jackscrew assy (hardware is assembled here) takes float front shell
F179	0.024" square post, 0.375" extension
F179A	0.024" square post, 0.500" extension
Ш	Stamped Contact with Tin/Lead in Solder cups (Cinch)
K87	Tin/lead dimpled shells (PIN only)
K126	A197 plus 30 microinches in gold contacts
K127	K87 plus 30 microinches in gold contacts
М	Screw Machine contact (Cinch)
TI	Tin plated shells with grounding indents (Cinch)
T	Tin plated shells (Cinch)

Combo D connectors with contacts installed





 $\frac{M}{3}$

 $\frac{\mathbf{P}}{4}$

5C5

<u>P</u>

<u>J</u>

K87

NOTE: In a Combo-D layout the 1st number is the number of total contacts,

the 2nd number calls for the number of size 8 cavities.

For example 13W6 layout, there is 13 total contacts and 6 of them are for coaxial, or HP, HV contacts, size 8.

****Position 1-4 & 6-8 follow the standard talking dog *****

5. Combination Arrangements are as follows:

Shell size	Arrangement available.
	EVAI4
E	5W1
Α	3W3
Α	7W2
Α	11W1
В	5W5
В	9W4
В	13W3
В	17W2
В	21W1
С	8W8
С	13W6
С	17W5
С	21WA4
С	25W3
С	27W2
D	24W7
D	36W4
D	43W2
D	47W1



Combo D connectors with contacts installed (cont.)

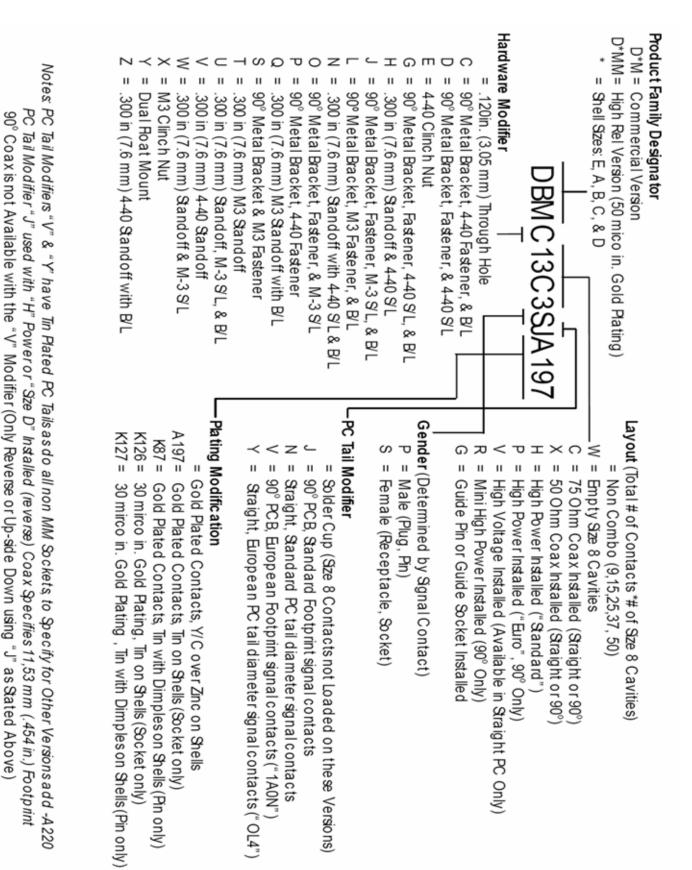
When there is a letter other than "W" in the above insert arrangements, see the following: The printed circuit terminal modifier would call out right angle contacts; If there is no printed circuit terminal modifier, would have the straight P/C contacts.

С	75 Ω Coax Installed Straight or 90°
G	Guide Pin or Guide Skt Installed
Н	High Powered Installed (Standard)
R	90 degree mini high power
V	High Voltage Installed Straight PC only
Х	50 Ω Coax Installed Straight or 90°

Notes: Contacts listed above are for use when W is replace with the COMBO MODIFIER specified above.



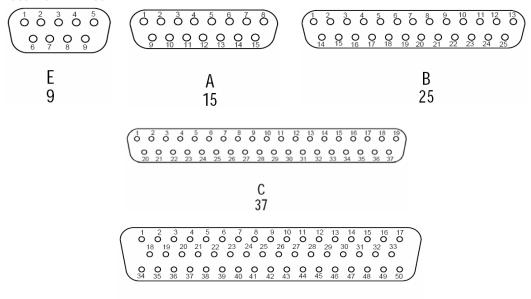
Combo-D Talking Dog



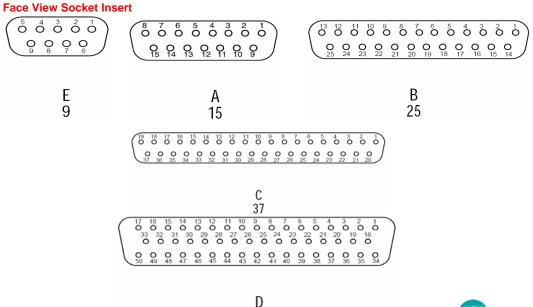


Insert Arrangements

Face View Pin Insert



D 50

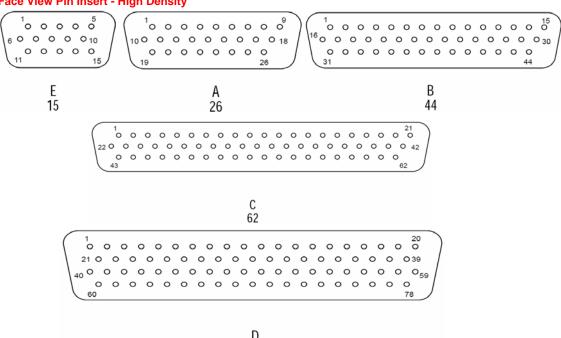


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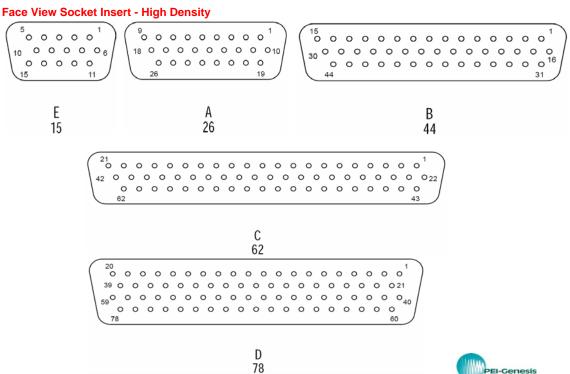
PEI-Genesis

Insert Arrangements con't

Face View Pin Insert - High Density

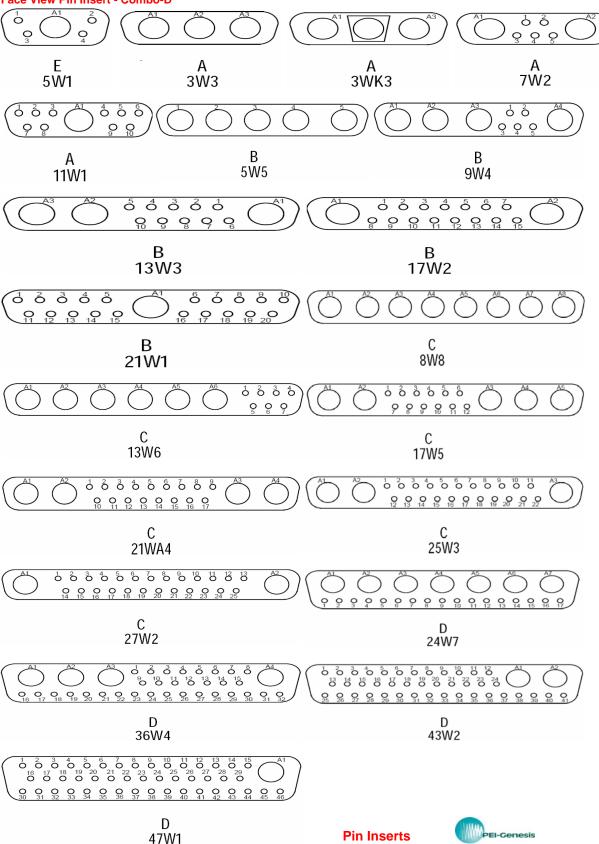


78



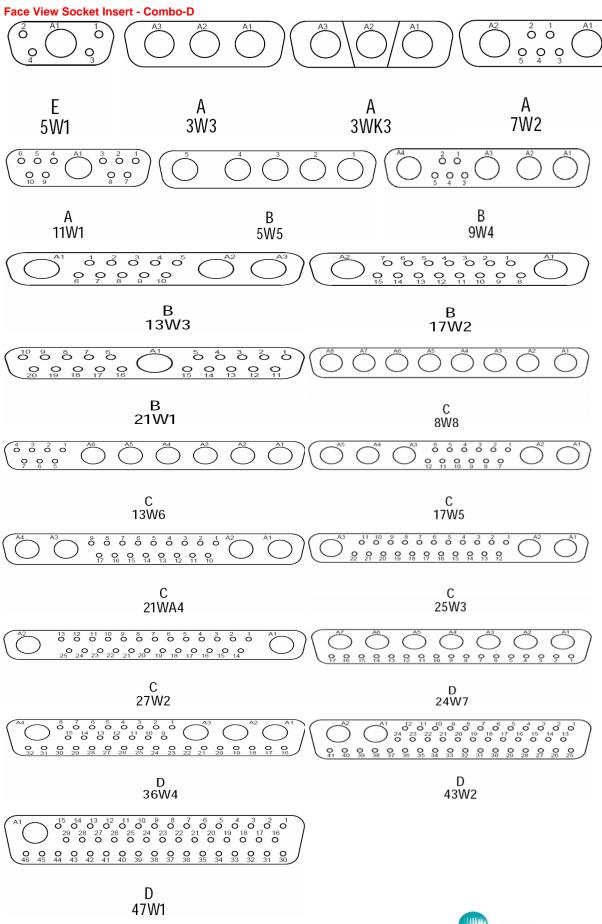
Insert Arrangements con't

Face View Pin Insert - Combo-D



Rev. A

Insert Arrangements con't



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Socket Inserts

