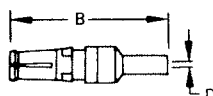
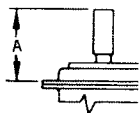


Combo D^(R) – Coaxial/50 Ohm

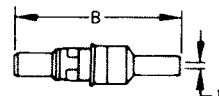
Cable Combinations – 50 Ohm Coaxial Contacts

Color Code: Receptacle - Blue; Plug - Red

Straight Crimp Braid



Receptacle



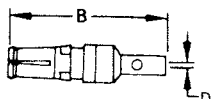
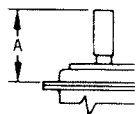
Plug

(Dimensions include outer sleeve.)

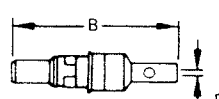
	Crimp/Crimp Gold Over Ni	Gold Over Nickel	50 μ in. Gold Over Copper	<i>NM</i> – Non-Magnetic 50 μ in. Gold Over Copper	A Max.	B Max.	D Min.	RG Cable No. Old	New
Plug		DM53740	DM53740-17		.739 (18.8)	.945 (24.00)	.040 (1.00)	196/U	178B/U
Plug	DM53740-37*	DM53740-1	DM53740-15	DM53740-36	.739 (18.8)	.945 (24.00)	.067 (1.70)	187/U	179B/U
Plug		DM53740-35	—		.739 (18.8)	.945 (24.00)	.067 (1.70)	—	RD316
Plug		DM53740-3	DM53740-16		.847 (21.5)	1.037 (26.34)	.110 (2.79)	195/U	180B/U
Plug		DM53740-5	DM53740-18		.847 (21.5)	1.037 (26.34)	.125 (3.18)	58/U	58B/U
Receptacle		DM53742	DM53742-18		.739 (18.8)	.945 (24.00)	.040 (1.00)	196/U	178B/U
Receptacle	DM53742-38*	DM53742-1	DM53742-16	DM53742-37	.739 (18.8)	.945 (24.00)	.067 (1.70)	187/U	179B/U
Receptacle		DM53742-36	—		.739 (18.8)	.945 (24.00)	.067 (1.70)	—	RD316
Receptacle		DM53742-3	DM53742-17		.847 (21.5)	1.037 (26.34)	.110 (2.79)	195/U	180B/U
Receptacle		DM53742-5	DM53742-19		.847 (21.5)	1.037 (26.34)	.125 (3.18)	58/U	58B/U

* Consult factory for center contact crimp tooling.

Straight Solder Braid



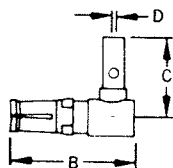
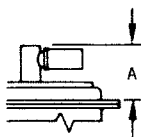
Receptacle



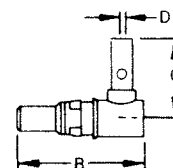
Plug

	Gold Over Nickel	50 μ in. Gold Over Copper	<i>NM</i> – Non-Magnetic 50 μ in. Gold Over Copper	A Max.	B Max.	D Min.	RG Cable No. Old	New
Plug	DM53740-5008	DM53740-5105		.739 (18.8)	.945 (24.00)	.040 (1.00)	196/U	178B/U
Plug	DM53740-5001	DM53740-5099	DM53740-5147	.739 (18.8)	.945 (24.00)	.067 (1.70)	187/U	179B/U
Plug	DM53740-5145			.739 (18.8)	.945 (24.00)	.067 (1.70)	—	RD316
Plug	DM53740-5002	DM53740-5104		.847 (21.5)	1.037 (26.34)	.110 (2.79)	195/U	180B/U
Plug	DM53740-5005	DM53740-5101		.847 (21.5)	1.037 (26.34)	.125 (3.18)	58/U	58/U
Receptacle	DM53742-5006	DM53742-5092		.739 (18.8)	.945 (24.00)	.040 (1.00)	196/U	178B/U
Receptacle	DM53742-5001	DM53742-5089	DM53742-5127	.739 (18.8)	.945 (24.00)	.067 (1.70)	187/U	179B/U
Receptacle	DM53742-5126	—		.739 (18.8)	.945 (24.00)	.067 (1.70)	—	RD316
Receptacle	DM53742-5002	DM53742-5091		.847 (21.5)	1.037 (26.34)	.110 (2.79)	195/U	180B/U
Receptacle	DM53742-5004	DM53742-5086		.847 (21.5)	1.037 (26.34)	.125 (3.18)	58/U	58/U
Plug (Short Type)	DM53740-5000	DM53740-5100	.670 (17.0)	.874 (22.20)	.045 (1.14)	.196/U	178B/U	
Receptacle (Short Type)	DM53742-5000	DM53742-5085	.670 (17.0)	.874 (22.20)	.045 (1.14)	.196/U	178B/U	

Right Angle Solder Braid



Receptacle



Plug

	Gold Over Nickel	50 μ in. Gold Over Copper	A Max.	B Max.	C	D Min.	RG Cable No. Old	New
Plug	DM53741-5000	DM53741-5059	.530 (13.46)	.745 (18.92)	.544 (15.10)	.040 (1.00)	196/U	178B/U
Plug	DM53741-5001	DM53741-5062	.530 (13.46)	.745 (18.92)	.544 (15.10)	.067 (1.70)	187/U	179B/U
Plug	DM53741-5003	DM53741-5063	.530 (13.46)	.745 (18.92)	.630 (16.00)	.110 (2.79)	195/U	180B/U
Plug	DM53741-5004	DM53741-5060	.530 (13.46)	.745 (18.92)	.630 (16.00)	.125 (3.18)	58/U	58/U
Receptacle	DM53743-5000	DM53743-5073	.530 (13.46)	.745 (18.92)	.594 (15.09)	.040 (1.00)	196/U	178B/U
Receptacle	DM53743-5001	DM53743-5076	.530 (13.46)	.745 (18.92)	.594 (15.09)	.067 (1.70)	187/U	179B/U
Receptacle	DM53743-5003	DM53743-5077	.530 (13.46)	.745 (18.92)	.630 (16.00)	.110 (2.79)	195/U	180B/U
Receptacle	DM53743-5004	DM53743-5074	.530 (13.46)	.745 (18.92)	.630 (16.00)	.125 (3.18)	58/U	58B/U

Highlighted part numbers indicate standard product; usually available with shorter lead times.

See *Commercial D Subminiature* catalog for additional Combo D options, including 75 ohm Coax.

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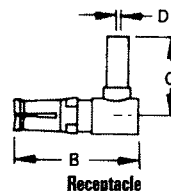
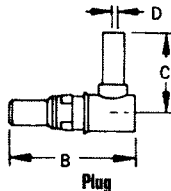
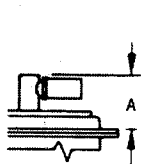
Dimensions are shown in inches (millimeters).
Dimensions subject to change.

Combo D[®] – Coaxial/50 Ohm

Cable Combinations – 50 Ohm Coaxial Contacts (Continued)

Right Angle Crimp Braid

(Dimensions include outer sleeve.)
Color Code: Receptacle - Blue; Plug - Red



	Part Number		A Max.	B Ref.	C	D ±.005 (0.13)	RG Cable No.	
	Gold Over Nickel	50 μ in. Gold Over Copper					Old	New
Plug	DM53741	DM53741-12	.530 (13.46)	.745 (18.92)	.594 (15.10)	.045 (1.14)	196/U	1788/U
Plug	DM53741-1	DM53741-11	.530 (13.46)	.745 (18.92)	.594 (15.10)	.072 (1.83)	187/U	1798/U
							188/U	3168/U
Plug	DM53741-3	DM53741-10	.530 (13.46)	.745 (18.92)	.630 (16.00)	.110 (2.79)	195/U	1808/U
Plug	DM53741-4	DM53741-13	.530 (13.46)	.745 (18.92)	.630 (16.00)	.125 (3.18)	58/U	588/U
Receptacle	DM53743-2	DM53743-18	.530 (13.46)	.745 (18.92)	.594 (15.10)	.045 (1.14)	196/U	1788/U
Receptacle	DM53743-3	DM53743-16	.530 (13.46)	.745 (18.92)	.594 (15.10)	.072 (1.83)	187/U	1798/U
							188/U	3168/U
Receptacle	DM53743-5	DM53743-17	.530 (13.46)	.745 (18.92)	.630 (16.00)	.110 (2.79)	195/U	1808/U
Receptacle	DM53743-6	DM53743-19	.530 (13.46)	.745 (18.92)	.630 (16.00)	.125 (3.18)	58/U	588/U

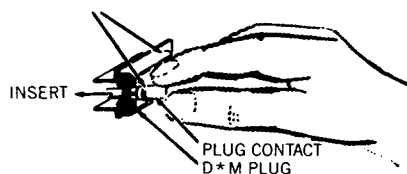
Insertion/Extraction Instructions

Coaxial, High Power and High Voltage Contacts

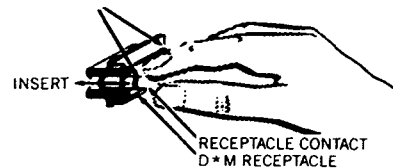
Insertion

No insertion tool is required. The contact is easily snapped in from the rear of the connector.

RED COLOR CODED CONNECTOR
ACCEPTS PLUG CONTACTS.



BLUE COLOR CODED CONNECTORS ACCEPTS RECEPTACLE
CONTACTS. INSERT FROM TERMINAL END AS SHOWN BELOW.



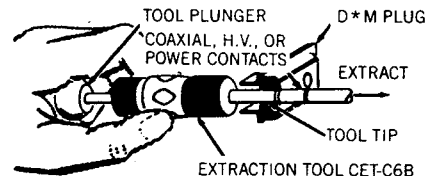
Extraction

CET-C6B

The CET-C6B tool extracts coaxial, high power and high voltage contacts (plug and receptacle).
Part number 070064-0000.

Operating Instructions:

To extract the coax contact, hold the tool by the body and insert the tip into the front of the contact cavity until it bottoms and closes the coax retaining ring. Holding the body in this position securely enough to keep coax retaining ring closed, push the plunger; contact will be pushed out of the rear of the assembly.



Hand Tool with integral die set for all coax straight crimp braid. Part Number: 070051-0000 (CCT-DM)

See *Commercial D Subminiature* catalog for additional Combo D options, including 75 ohm Coax.

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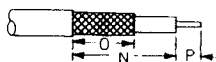
For technical assistance, price or delivery information, call your local technical sales office or distributor.

Dimensions are shown in inches (millimeters).
Dimensions subject to change.

Combo D[®] – Coaxial/50 Ohm

Coax Assembly Instructions

Trim Dimensions



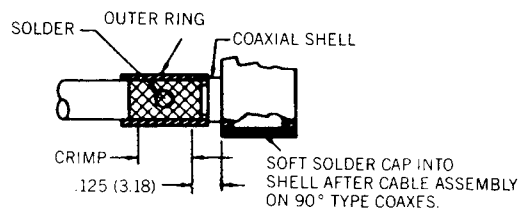
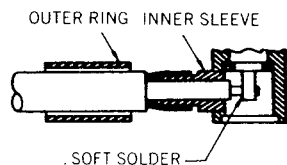
RG Cable No.	Straight			Right Angle		
	N	O	P	N	O	P
196/U, 178B/U, 187/U 188/U, 179B/U, 316B/U	.312 (7.92)	.250 (6.35)	.078 (1.98)	.375 (9.52)	.234 (5.94)	.062 (1.57)
195/U, 180B/U 58/U, 58B/U	.375 (9.52)	.312 (7.92)	.078 (1.98)	.422 (10.69)	.312 (7.92)	.094 (2.39)

All tolerances $\pm .010$ (0.25)

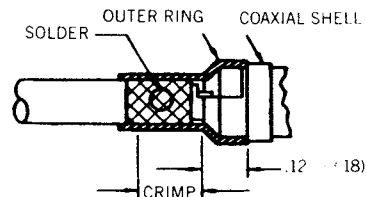
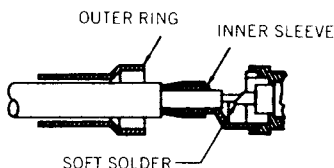
Crimp Tooling

RG Cable No.	Tool P/N	Description	Closure
196/U, 178B/U	070051-0000	CCT-DM	C
187/U, 179B/U 188/U, 316B/U	070051-0000	CCT-DM	B
195/U, 180B/U 58/U, 58B/U	070051-0000	CCT-DM	A

90° Coaxial



Straight Coaxial



STEP 1: Straight and 90° Coaxials

Slide the outer ring over the cable jacket. Trim the cable as specified in the table of Coax Cable Trim Dimensions. Insert the cable dielectric and center conductor into the inside diameter of the inner sleeve. Then solder the center conductor to the coax center contact.

STEP 2: Straight and 90° Coaxials

Slide the outer ring forward until it is flush with the coax shell containing the braid between the outer ring and the inner sleeve. For solder type coaxes, soft solder the outer ring to the assembly thru the cross-drilled solder hold. For crimp type coaxes, crimp with the appropriate tool in the area defined.

See *Commercial D Subminiature* catalog for additional Combo D options, including 75 ohm Coax.

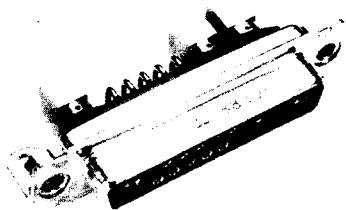
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For technical assistance, price or delivery information, call your local technical sales office or distributor.

Dimensions are shown in inches (millimeters).
Dimensions subject to change.

Combo D® – Coaxial/50 Ohm

Right Angle Receptacle for PCB Mounting



PCB Layouts – Page 352

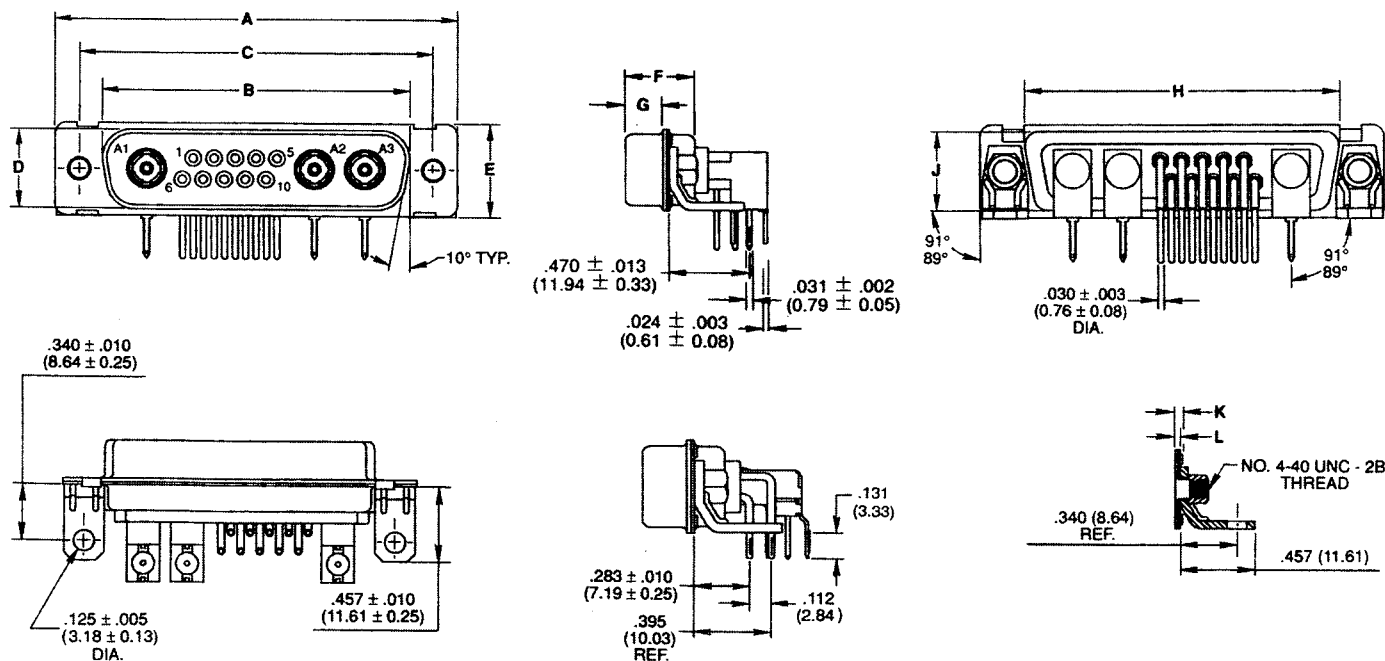
Military part numbers come complete with fixed, female, signal and coaxial contacts and right angle brackets.

Military part numbers come with coaxial contacts.

Non-magnetic part numbers must use coaxial contacts from Page 347 and do not come with brackets.

Layout	Military	NM Non-Magnetic
DE-5W1	DEMMP5X1SP	DEM5W1SP-NMB-K52
DA-7W2	DAMMP7X2SP	DAM7W2SP-NMB-K52
DA-11W1	DAMMP11X1SP	DAM11W1SP-NMB-K52
DA-3W3	DAMMP3X3SP	DAM3W3S-NMB-K47
DB-5W5	DBMMP5X5SP	DBM5W5S-NMB-K47
DB-9W4	DBMMP9X4SP	DBM9W4SP-NMB-K52
DB-13W3	DBMMP13X3SP	DBM13W3SP-NMB-K52
DB-17W2	DBMMP17X2SP	DBM17W2SP-NMB-K52
DB-21W1	DBMMP21X1SP	DBM21W1SP-NMB-K52
DC-8W8	DCMMP8X8SP	DCM8W8S-NMB-K47
DC-13W6	DCMMP13X6SP	DCM13W6SP-NMB-K52
DC-17W5	DCMMP17X5SP	DCM17W5SP-NMB-K52
DC-21WA4	DCMMP21XA4SP	DCM21WA4SP-NMB-K52
DC-25W3	DCMMP25X3SP	DCM25W3SP-NMB-K52
DC-27W2	DCMMP27X2SP	DCM27W2SP-NMB-K52

Dimensions



SOCKET CONNECTOR ASSEMBLY (Female)

Shell Size	A ±.015 (0.38)	B ±.005 (0.13)	C ±.005 (0.13)	D ±.005 (0.13)	E ±.015 (0.38)	F ±.005 (0.13)	G ±.005 (0.13)	H ±.010 (0.25)	J ±.010 (0.25)	K ±.013 (0.33)	L ±.010 (0.25)
DE	1.213 (30.81)	.643 (16.33)	.984 (24.99)	.311 (7.90)	.494 (12.55)	.429 (10.90)	.243 (6.17)	.759 (19.28)	.422 (10.72)	.048 (1.22)	.030 (0.76)
DA	1.541 (39.14)	.971 (24.66)	1.312 (33.32)	.311 (7.90)	.494 (12.55)	.429 (10.90)	.243 (6.17)	1.083 (27.51)	.422 (10.72)	.048 (1.22)	.030 (0.76)
DB	2.088 (53.03)	1.511 (38.38)	1.852 (47.04)	.311 (7.90)	.494 (12.55)	.429 (10.90)	.243 (6.17)	1.625 (41.27)	.422 (10.72)	.048 (1.22)	.039 (0.99)
DC	2.729 (69.31)	2.159 (54.84)	2.500 (63.50)	.311 (7.90)	.494 (12.55)	.429 (10.90)	.243 (6.17)	2.272 (57.71)	.422 (10.72)	.048 (1.22)	.039 (0.99)

See *Commercial D Subminiature* catalog for additional Combo D options, including 75 ohm Coax.

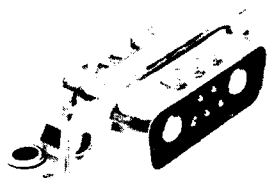
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For technical assistance, price or delivery information, call your local technical sales office or distributor.

Dimensions are shown in inches (millimeters).
Dimensions subject to change.

Combo D® – Coaxial/50 Ohm

Right Angle Plug for PCB Mounting



PCB Layouts – Page 352

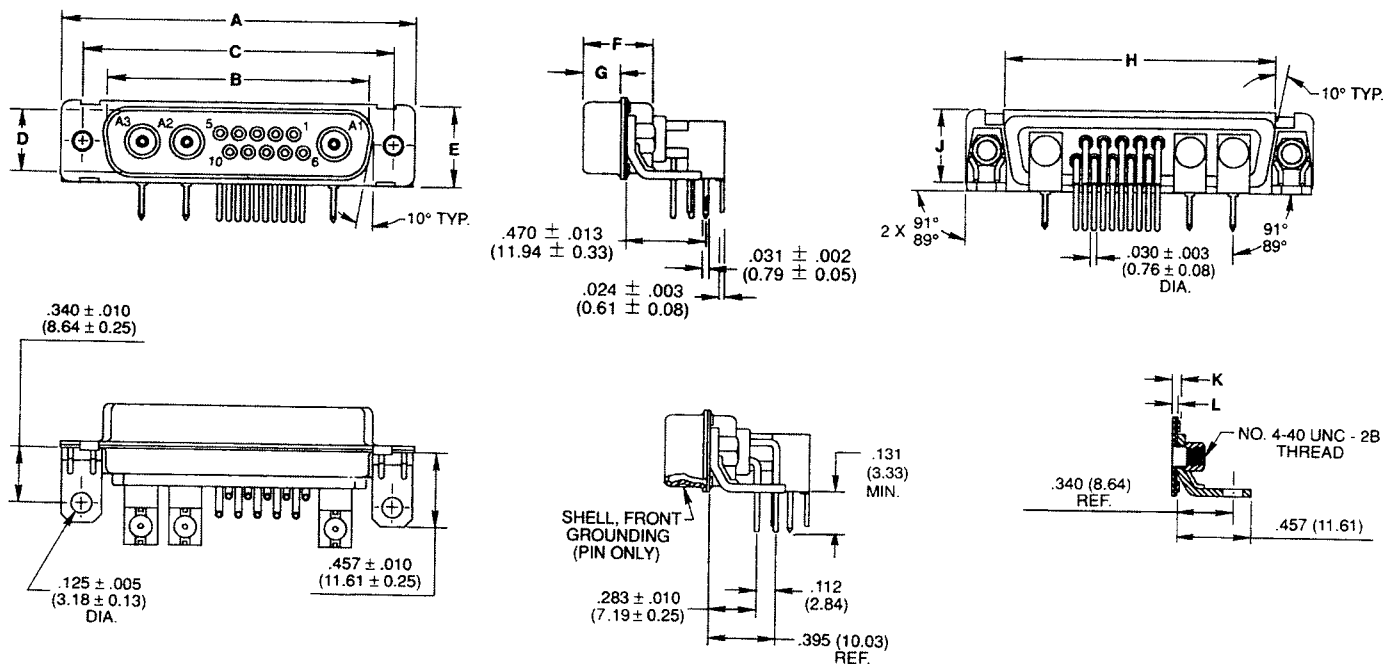
Military part numbers come complete with fixed, female, signal and right angle brackets.

Military part numbers come with coaxial contacts.

Non-magnetic part numbers must use coaxial contacts from Page 347 and do not come with brackets.

Layout	Military	<i>NM</i> Non-Magnetic
DE-5W1	DEMMP5X1PP	DEM5W1PP-NMB-K52
DA-7W2	DAMMP7X2PP	DAM7W2PP-NMB-K52
DA-11W1	DAMMP11X1PP	DAM11W1PP-NMB-K52
DA-3W3	DAMMP3X3PP	DAM3W3PP-NMB-K47
DB-5W5	DBMMP5X5PP	DBM5W5PP-NMB-K47
DB-9W4	DBMMP9X4PP	DBM9W4PP-NMB-K52
DB-13W3	DBMMP13X3PP	DBM13W3PP-NMB-K52
DB-17W2	DBMMP17X2PP	DBM17W2PP-NMB-K52
DB-21W1	DBMMP21X1PP	DBM21W1PP-NMB-K52
DC-8W8	DCMMP8X8PP	DCM8W8PP-NMB-K47
DC-13W6	DCMMP13X6PP	DCM13W6PP-NMB-K52
DC-17W5	DCMMP17X5PP	DCM17W5PP-NMB-K52
DC-21WA4	DCMMP21XA4PP	DCM21WA4PP-NMB-K52
DC-25W3	DCMMP25X3PP	DCM25W3PP-NMB-K52
DC-27W2	DCMMP27X2PP	DCM27W2PP-NMB-K52

Dimensions



PLUG CONNECTOR ASSEMBLY (Male)

Shell Size	A	B	C	D	E	F	G	H	J	K	L
DE	1.213 (30.81)	.666 (16.91)	.984 (24.99)	.329 (8.36)	.494 (12.55)	.422 (10.72)	.236 (5.99)	.759 (19.28)	.422 (10.72)	.048 (1.22)	.030 (0.76)
DA	1.541 (39.14)	.994 (25.24)	1.312 (33.32)	.329 (8.36)	.494 (12.55)	.422 (10.72)	.236 (5.99)	1.083 (27.51)	.422 (10.72)	.048 (1.22)	.030 (0.76)
DB	2.088 (53.03)	1.534 (38.96)	1.852 (47.04)	.329 (8.36)	.494 (12.55)	.426 (10.82)	.231 (5.87)	1.625 (41.27)	.422 (10.72)	.060 (1.52)	.039 (0.99)
DC	2.729 (69.31)	2.182 (55.42)	2.500 (63.50)	.329 (8.36)	.494 (12.55)	.426 (10.82)	.231 (5.87)	2.272 (57.71)	.422 (10.72)	.060 (1.52)	.039 (0.99)

See *Commercial D Subminiature* catalog for additional Combo D options, including 75 ohm Coax.

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Dimensions are shown in inches (millimeters).
Dimensions subject to change.

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