

improved & UG-clamp



इति



pocket



cz=7



female content



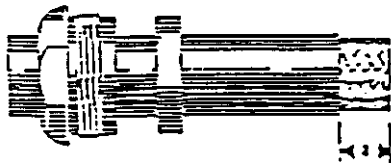
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5.2: 2000

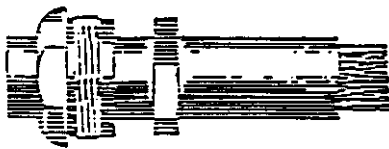


plug body

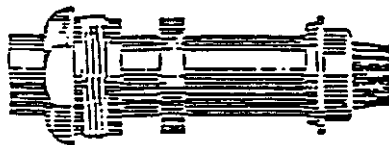


a		b		c		d		e		f		g		h		i		j		k		l		m		n		o		p		q		r		s		t		u		v		w		x		y		z																																																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

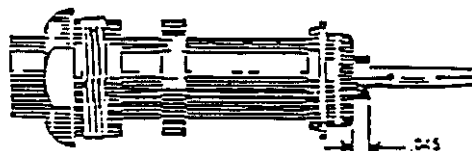
Please not and assist with the move toward same, over time and not all power to him.



Comb out braid and fold out. Cut off cable elements to dim.
b as shown.



Pull braid wires forward and under toward center conductor. Place clamp over braid and push back against cable jacket.



Fold back braid wires as shown, trim to proper length and form over clamp as shown. Solder contact to center conductor.



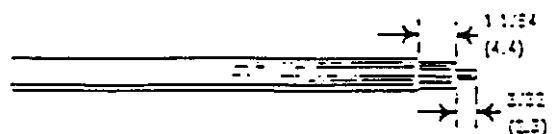
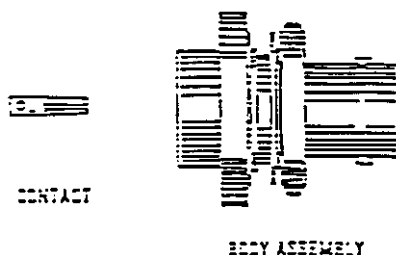
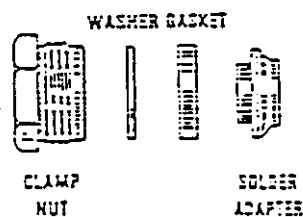
Insert cable and parts into connector body. Make sure sharp edge of clamp seats properly in gasket. Tighten nut.



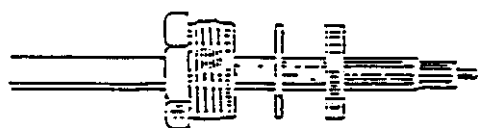
note: For armored cable slide cap over armor first. Push armor and cap back out of way and proceed with assembly as directed above using armor clamp in place of standard clamp nut. When assembly is complete straighten bulge in armor and trim so it can be clamped between nut and cap.

BNC ASSEMBLY INSTRUCTIONS

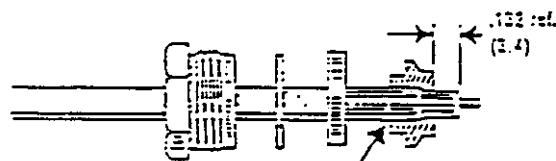
SOLDER-TYPE



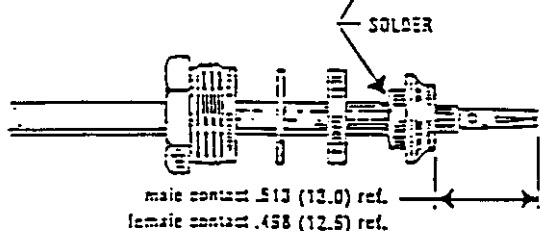
Trim cable square, deburr and clean copper jacket 5/8" (15.9) minimum. Strip to dimensions shown.



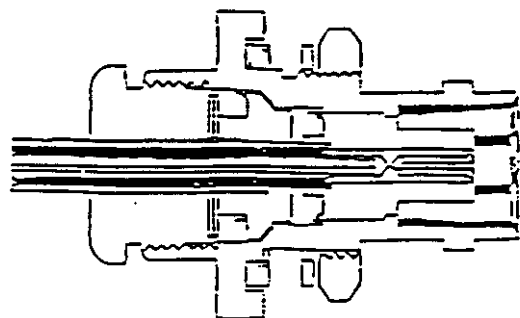
Slide clamp nut, washer and gasket over cable jacket as shown.



Slide solder adapter into position over cable so that outer conductor bottoms on internal shoulder. Solder as shown. Avoid excessive heat which may deform dielectric. After assembly has cooled, verify dimension shown and trim dielectric if necessary.



Solder center contact to inner conductor. Center contact must seat square against dielectric. Again, avoid excessive heat which may deform dielectric. Verify dimension shown to assure mechanical and electrical integrity of assembly.



Insert cable assembly into body assembly. Move gasket and washer into position and tighten clamp nut.

BLACK/WHITE CONTACT HOUSINGS (1058-2020)

<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>MANUFACTURER</u>
This first group of items refers to the small, black plugs that connect to boards.		
Plug - 2 Pos. - .1" Ctrs.	87499-3	AMP
Plug - 3 Pos. - .1" Ctrs.	87499-5	AMP
Plug - 4 Pos. - .1" Ctrs.	87499-7	AMP
Plug - 5 Pos. - .1" Ctrs.	87499-9	AMP
Plug - 6 Pos. - .1" Ctrs.	1-87499-1	AMP
Plug - 7 Pos. - .1" Ctrs.	87499-1	AMP
Plug - 8 Pos. - .1" Ctrs.	1-87499-3	AMP
Plug - 9 Pos. - .1" Ctrs.	1-87499-5	AMP
Plug - 10 Pos. - .1" Ctrs.	1-87499-7	AMP
Plug - 11 Pos. - .1" Ctrs.	1-87499-9	AMP
Plug - 12 Pos. - .1" Ctrs.	1-87499-1	AMP
Female Receptacle for .1" Ctrs. Plugs	1-87309-4	AMP
Keying Plug for .1" Ctrs. Plugs	87077-2	AMP
Hand Tool	90345-1	AMP
This second group of items refers to the larger white plugs which also connect to boards.		
Plug - 4 Pos. - .156" Ctrs.	1-87025-3	AMP
Plug - 5 Pos. - .156" Ctrs.	2-87025-3	AMP
Plug - 8 Pos. - .156" Ctrs.	1-87025-6	AMP
Plug - 10 Pos. - .156" Ctrs.	1-87025-8	AMP
Plug - 12 Pos. - .156" Ctrs.	1-87025-2	AMP
Plug - 14 Pos. - .156" Ctrs.	3-87025-8	AMP
Female Receptacle for .156" Ctrs.	102104-2	AMP
Keying Plug for .156" Ctrs. Plug	87116-2	AMP
Hand Tool	90274-2	AMP

RF CONNECTORS

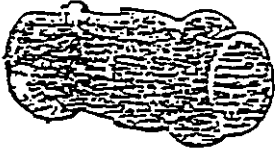
<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>MANUFACTURER</u>
<u>"N" TYPE</u>		
Jack - Female - Bulkhead - For RG-55	36250	Amphenol
Plug - Male - For RG-53 & RG-55	34025	Amphenol
Jack - Female - Bulkhead - For UT-141	R161-277	Amphenol
Plug - Male - Straight - For RG-213	82-3202	Amphenol
Plug - Male - Right Angle - For RG-213	R161-168	Amphenol
<u>"BNC" TYPE</u>		
Plug - Male - For RG-58	31-202	Amphenol
Plug - Male - For RG-174	225395-7	Amphenol
Plug - Male - For RG-179	225395-8	Amphenol
Jack - Female - For RG-174	225398-7	Amphenol
Jack - Female - Bulkhead	31-236	Amphenol
Jack - Female - Bulkhead - Isolated Ground	UBJ27	Trompeter
<u>"SMA" TYPE</u>		
Plug - Male - Straight - For RG-55	142-0261-001	E.F. Johnson
Plug - Male - Right Angle - For RG-55	142-0262-001	E.F. Johnson
Plug - Male - Straight - For RG-174 & 188	142-0221-001	E.F. Johnson
Plug - Male - Right Angle - For RG-174 & 188	142-0222-001	E.F. Johnson
Plug - Male - Straight - For UT-141	142-0281-001	E.F. Johnson
Barrel Connector - Female-Female	901-302	Amphenol
<u>"F" TYPE</u>		
Jack - Female - Bulkhead	1220	RMS

CIRCULAR TYPE CONNECTORS

<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>MANUFACTURER</u>
Receptacle - 4 Position - Sockets	206060-1	AMP
Receptacle Flange Mt. - 15 Position - Sockets	206705-1	AMP
Receptacle - 37 Position - Sockets	206150-1	AMP
Receptacle - Reverse Sex - 37 Pos - Sockets	206306-2	AMP
Plug - Reverse Sex - 37 Position - Pins	206305-1	AMP
Plug - 37 Position - Pins	206151-1	AMP
Plug - 15 Position - Pins	206708-1	AMP
Plug - 4 Position - Pins	206061-1	AMP
Pins - Solder Type	66180-1	AMP
Sockets - Solder Type	66181-1	AMP
Insertion/Extraction Tool	305183-R	AMP
Rear Cover - Strain Relief - 37 Position	206138-1	AMP
Rear Cover - Strain Relief - 4 Position	206062-1	AMP
Strain Relief - 15 Position	206966-1	AMP

AMP

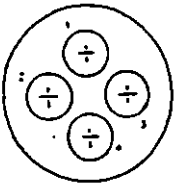
Plug



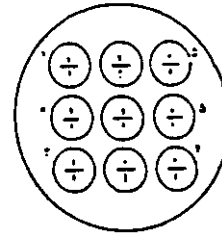
Receptacle



4 Pos.

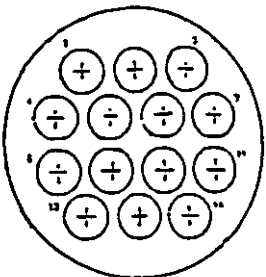


9 Pos.

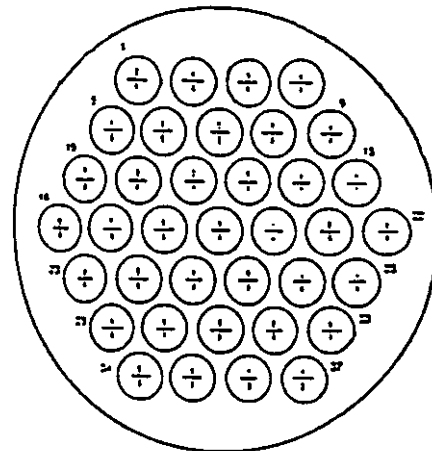


Note: Circular arrangements shown are of pin
making face (plug or receptacle)
Socket making face is mirror image

14 Pos.



37 Pos.



Pin

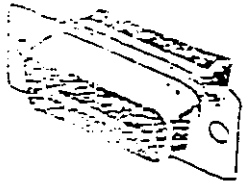


Socket

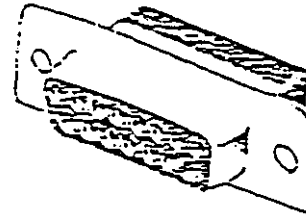
"D" TYPE CONNECTORS (1053-2020)

<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>MANUFACTURER</u>
Receptacle - 9 Position	205203-1	AMP
Receptacle - 15 Position	205205-1	AMP
Receptacle - 25 Position	205207-1	AMP
Receptacle - 37 Position	205209-1	AMP
Sockets - Solder Type	66569-1	AMP
Plug - 9 Position	205204-1	AMP
Plug - 15 Position	205208-1	AMP
Plug - 25 Position	205210-1	AMP
Plug - 37 Position	205210-1	AMP
Pins - Solder Type	66570-3	AMP
Insertion/Extraction Tool (Crimp Type)	91067-3	AMP
Insertion/Extraction Tool (Solder Type)	91067-2	AMP
Strain Relief - 9 Position	207467-1	AMP
Strain Relief - 15 Position	207470-1	AMP
Strain Relief - 25 Position	207345-1	AMP
Strain Relief - 37 Position	207473-1	AMP
Screw and Retainer Hardware	205980-1	AMP
Standoffs and Mounting Hardware	205817-1	AMP

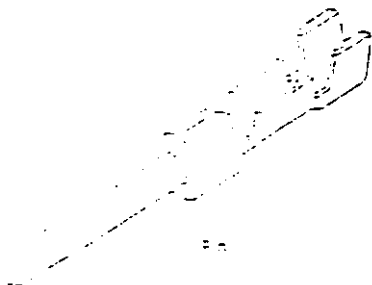
Plug



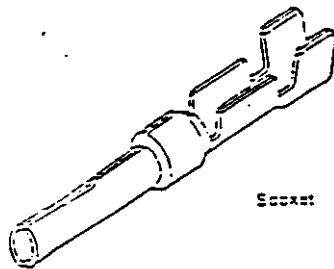
Receptacle



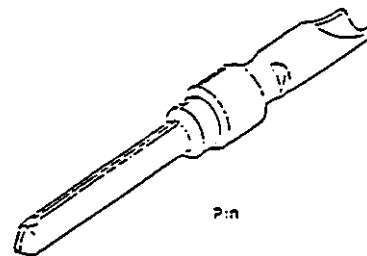
Crimp Type Contacts.
Snap-In



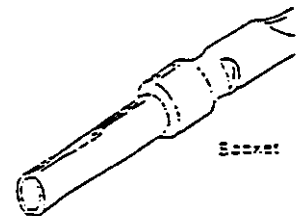
Solder Cup Contacts.
Snap-In



Socket

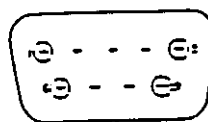


Pin

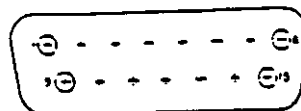


Socket

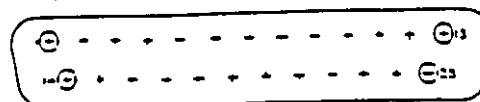
Insert Arrangements



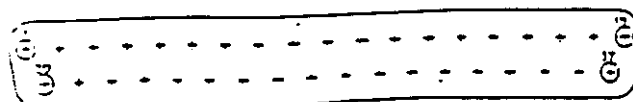
9 Position
(Shell Size 1)



15 Position
(Shell Size 2)



25 Position
(Shell Size 3)



37 Position
(Shell Size 4)

Note: Contact arrangements shown are for pin mating into plug or receptacle.
Socket mating size is minor change.

MAINTENANCE

This product is designed with components that require no periodic maintenance except for cleaning and record keeping.

The amount of cleaning necessary depends greatly on the conditions in the transmitter room. While the electronics have been designed to function well even if covered with dust, heavy buildups of dirt and insects will impede the effectiveness of the cooling and lead to shutdown or premature failure.

When it is apparent that the front panel is becoming dust covered, the top cover should be opened and the accumulated foreign material removed. A small, soft brush used in conjunction with a plastic wand-like attachment on a small vacuum cleaner is an excellent way to suction the dirt out. Alcohol and other cleaning agents should not be used unless you can be certain that the solvents will not damage components or markings on the transmitter and boards. Water based cleaners can be used, if only a small amount of moisture is used. The fans and heatsinks should be cleaned carefully.

Occasionally check that all RF connections are secure, but be careful not to overtighten.

Data should be recorded for all meter readings on a regular basis. It is suggested that data be recorded once each month and that it be retained in a rugged folder or envelope for the life of the equipment. A sample format of a log sheet is included at the end of this section. Photocopies of this sheet may be used for log purposes if desired.