

Amphenol® GT Connectors

how to order, connector intermateability

Part Number System								
GT	C	00	A	FF	36-5	P	W	(014)
1	2	3	4	5	6	7	8	

1. Contact Style and Insert Material

C = Crimp
 CN = Crimp with stainless steel
 S = Solder
 SN = Solder with stainless steel
 CY = Crimp with Viton
 SY = Solder with Viton
 CL = Crimp with low smoke/flammage retardant inserts
 SL = Solder with low smoke/flammage retardant inserts
 No designation required for Neoprene components

2. Shell Style

00 - Wall mount receptacle
 01 - Inline receptacle
 02 - Box mount receptacle
 020 - Box mount receptacle with accessory threads
 030 - Square flange receptacle - rear panel mount
 05 - Dummy receptacle
 06 - Straight plug
 062 - Straight plug with deep serrated coupling nut*
 064 - Panel mounted plug with heavy duty coupling nut
 065 - Straight plug with long heavy duty coupling nut
 07 - Jam nut receptacle - rear panel mount
 070 - Jam nut receptacle with accessory threads
 08 - 90° angle plug
 TB - Thru-bulkhead

3. Connector Class - For details, see pages 29-78

A - Adapter for accessory attachment, non-environmental
 AF - Adapter, clamp for individual wires, non-environmental
 CF - Adapter, jacketed cable clamp, environmental
 CFGG - Adapter, jacketed cable clamp, over molded coupling nut, environmental
 CFZ - Adapter, jacketed cable clamp, individual wire sealing grommet, environmental
 F - Adapter, clamp for individual wires, individual wire sealing grommet, environmental.
 G - Adapter for heat shrink tubing, individual wire sealing grommet, environmental
 G2 - Free turning adapter for heat shrink tubing, individual wire sealing grommet, environmental
 GTTB - Thru bulkhead receptacle, accepts mating plug on both sides
 LC - Long adapter, backshell with jacketed cable basket weave grip, with individual wire sealing grommet, environmental
 LCF - Long adapter, jacketed cable clamp, environmental
 LCFZ - Long adapter, jacketed cable clamp, individual wire sealing grommet, environmental
 LT - Adapter, backshell for terminating metallic core conduit
 PFC - Adapter, backshell for plastic corrugated conduit, individual wire sealing grommet, environmental
 PG - Long adapter with PG threads, individual wire sealing grommet, environmental
 PP - Panel mounted plug
 R - Adapter for accessory attachment, individual wire sealing grommet, environmental

R - (02/03) No thread, no accessories, environmental with panel sealing gasket
 R - (020) No accessories, environmental with panel sealing gasket
 RFS - (02) No accessories, countersunk mounting holes for use with over molded coupling nut, environmental with panel sealing gasket
 RFSM - (020) No accessories, countersunk mounting holes for use with over molded coupling nut, environmental with panel sealing gasket
 RV - Adapter, individual wire sealing grommet, environmental
 SB - Adapter for termination of EMI/RFI shielded braid with heat shrink tubing or boot, individual wire sealing grommet, environmental
 SBT - Adapter for termination of EMI/RFI shielded braid with heat shrink tubing or boot, individual wire sealing grommet, environmental
 SL - Long adapter, jacketed cable liquid tight strain relief, environmental

4. Designation for Mounting Hole - Receptacle Only

FF - UN Threads
 FM - Metric Threads
 No designation for standard through hole mounting holes.

5. Shell Size and Arrangement

See pages 2-4

6. Contact Style

P designates pin contacts
 S designates socket contacts

7. Alternate Position

W, X, Y and Z - See page 5.
 No suffix required for normal position.

8. Connector Modification*

Omit for standard olive drab with silver plated contacts
 i.e.: (014) Olive drab cadmium plate, nickel base
 (B30) gold/nickel plated contacts
 (025) Black zinc cobalt
 (027) Conductive black zinc cobalt
 (024) Green zinc cobalt
 (LC) Less contacts

* Consult Amphenol, Sidney, NY

MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS

Connector Style	Mateable with Style
GT00	GT06 / 062 / 064 / 065 / 08
GT01	GT06 / 062 / 064 / 065 / 08
GT02	GT06 / 062 / 064 / 065 / 08
GT020	GT06 / 062 / 064 / 065 / 08
GT030	GT06 / 062 / 064 / 065 / 08
GT06 / 062 / 064 / 065	GT00 / 01 / 02 / 020 / 03 / 030 / 05 / 070 / TB
GT07 / 070	GT06 / 062 / 064 / 065 / 08
GT08	GT00 / 01 / 02 / 020 / 03 / 030 / 05 / 070 / TB
GTTB	GT06 / 062 / 064 / 065 / 08

3/07/90 10:29 * 90066 10:07 * PRELSE * 71-580410/429 A001

4321

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE NUM: 70090-109		
	B	(CLII) SEE ECN 27218	10-22-93 B. J. D. K.	Prescott
	C	(CLII) CHANGED FROM: 9-3104-5 TO: 9-9238 ECN: 95259	8/2/04 A. B. J. M. W. B.	J. C. P.

13	1	10-581819-XXI	SLEEVE	12
12	1	SEE COLUMN	GROMMET	12,10
11	1	10-590986-XX3	ADAPTER	12
10	1	10-748XX-()S	INSERT, SOCKET	4
10	1	10-748XX-()P	INSERT, PIN	4
9		SEE NOTE 8	CONTACT	2,3
8	1	SEE COLUMN	ELBOW ASSEMBLY	3
7	1	10-564869-XX	SLEEVE	
6	1	10-607XX-()	GROMMET	10,13
5	1	10-564859-XX	WASHER, WAVED	
4	1	10-564860-XX	WASHER, SKID	
3	1	10-564843-XXI	GASKET	
2	1	10-564856-XX3	NUT, COUPLING	
1	1	SEE COLUMN	SHELL	

FIND NO.	QTY REQD.	FSCM NO.	PART NUMBER	DESCRIPTION	NOTE REF.

COMPANY ID: 2
CODED/MS/CUST: Y
INTERNAL: N
LOTNO: N
DATE CODE: 9-3895
SEE PRINT: N

UNLESS OTHERWISE SPECIFIED
LINEAR DIMENSIONS ARE IN
INCHES.
TOLERANCES: .XXX±.010,
.XX ±.03, .X ±.1,
ANGLES ±2°.
OTHER STANDARDS PER 9-3800
AND DOD-D-1000.
NOTE REF. = XX

SPECIFICATIONS
MATERIAL SPEC.
N/A

SIGNATURES
PREPARED
PRESCOTT
CHECKED
MATERIAL
APPROVED
1ST PART NO.

DATES
2/5/90
3/7/90
3/7/90
3-9-90

AMPHENOL CORPORATION
BENDIX CONNECTOR OPERATIONS
SIDNEY, N.Y.
CONNECTOR, ELECTRICAL PLUG, REVERSE
BAYONET COUPLING, TYPE GTC08R()-(),
SOLDERLESS

THE USE OF THIS DOCUMENT IS UNLIMITED.
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N/A
N/A
NEXT ASSEMBLY

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PROCESS SPEC.
SEE NOTE 5

71-580420-26P

SIZE
C 77820

SCALE
NONE

FSCM NO.
71-580410/429

WT.
REF 71-581240/259

SHEET
1 OF 3

REV.
C

TAB.

SEE SHEET 3.
NOTES:

71-580410/429

000000001 01653

4

3

2

1

D

D

C

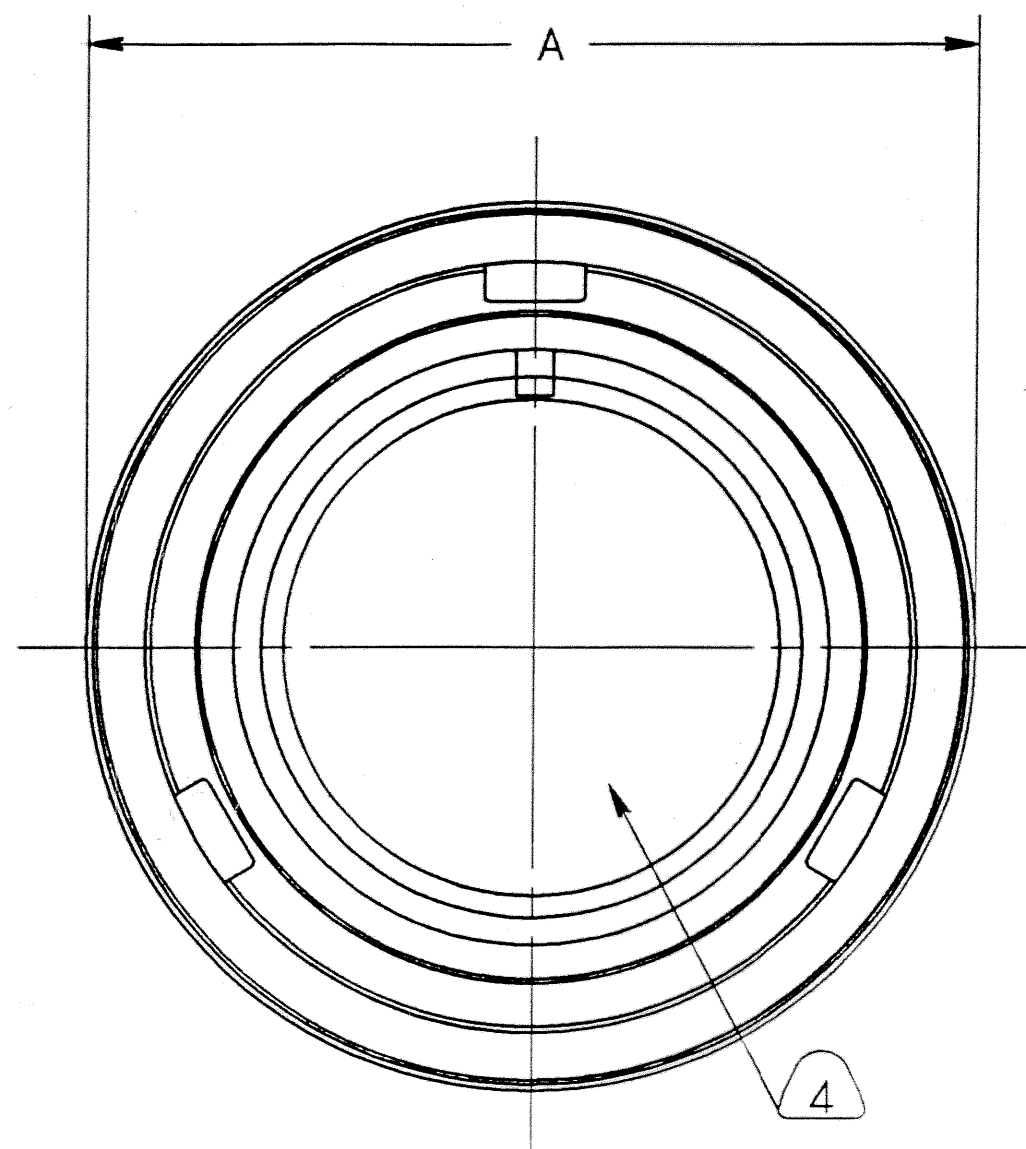
C

B

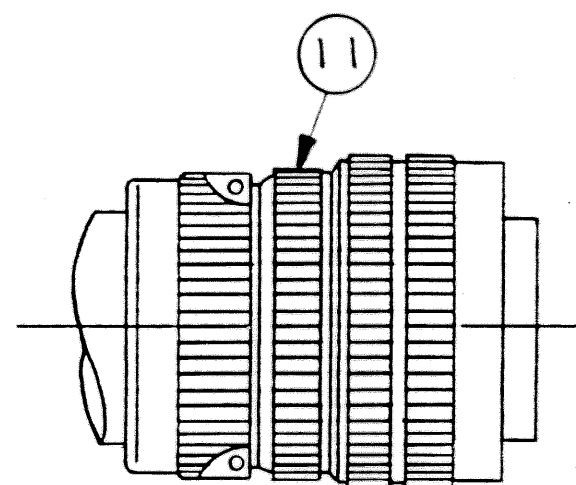
B

A

A



BLACK INK STAMP "BENDIX", GT NUMBER,
(SEE COLUMN), AND DATE CODE, (9-3895)
.062-.094 HIGH PER 9-3856-5.
EXAMPLE:
BENDIX GTC08R20-3S 9052



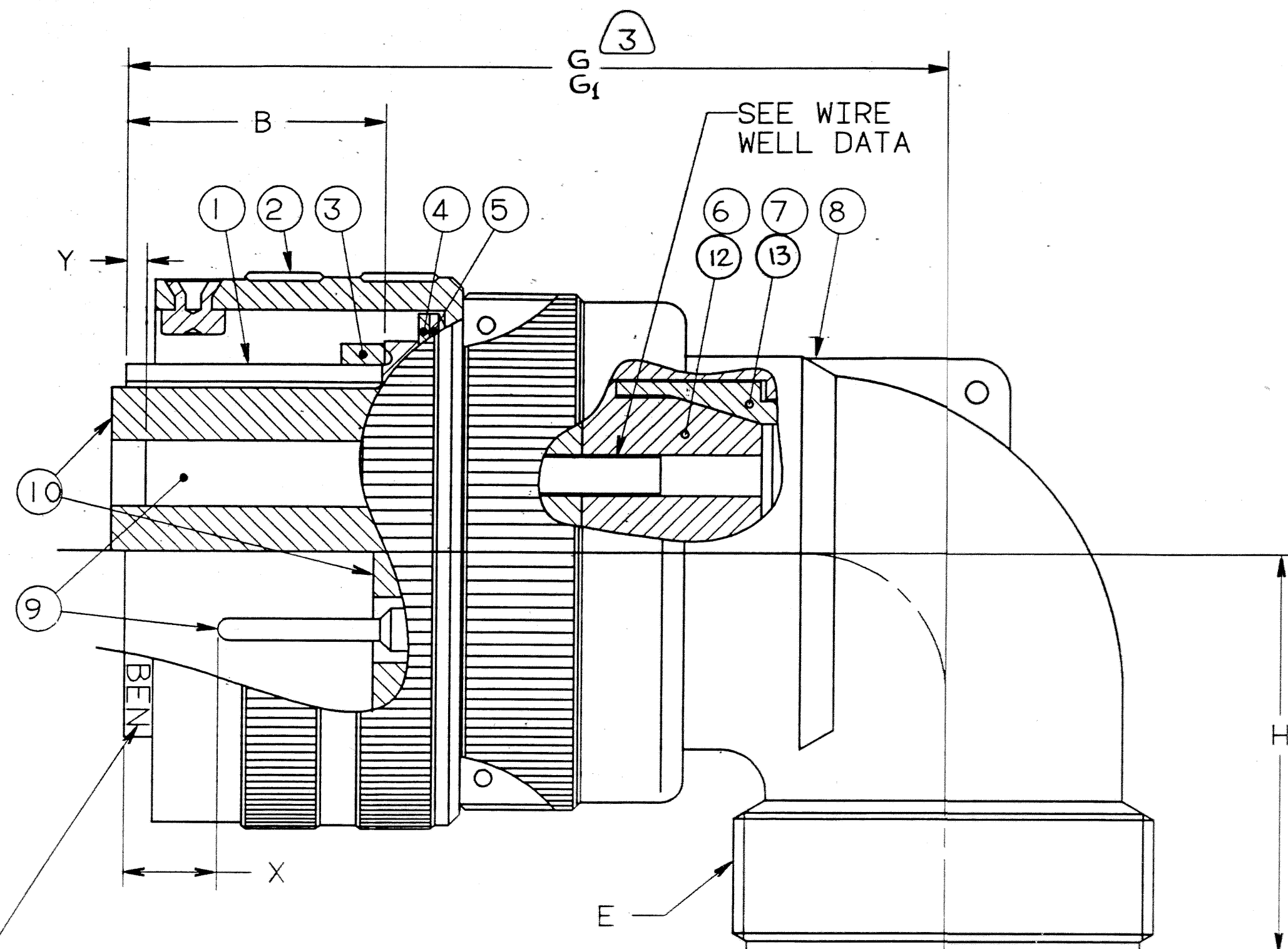
VIEW Z
APPLICABLE ONLY TO
PATTERNS WITH
SIZE 4 & 8 CONTACTS

SEE SHEET 3.

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SIZE	FSCM NO.	REV.
C	77820	71-580410/429
SCALE	WT.	REF.
SHEET 2 OF 3		

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4

3

2

1

ASSEMBLY NUMBER	SHELL SIZE	GT NUMBER	SHELL	GROMMET	ELBOW ASSEMBLY	A DIA MAX	B ±.005	E THREAD CLASS 2A (PLATED)	G MAX	H MAX	G1 MAX 
71-580410-()	8S	NOT AVAILABLE									
71-580411-()	10S	NOT AVAILABLE									
71-580412-()	10SL	GTC08R10SL-()	10-580915-113	10-581825-()	10-580892-113	.897	.531	.6250-24UNEF	1.772	1.181	
71-580413-()	12S	NOT AVAILABLE									
71-580414-()	12	NOT AVAILABLE									
71-580415-()	14S	GTC08R14S-()	10-37266-14	10-581827-()	10-580892-143	1.150	.531	.7500-20UNEF	1.850	1.181	
71-580416-()	14	NOT AVAILABLE									
71-580417-()	16S	GTC08R16S-()	10-37266-16	10-581829-()	10-580892-163	1.300	.531	.8750-20UNEF	1.890	1.181	
71-580418-()	16	GTC08R16-()	10-37266-17	10-581830-()	10-580892-173	1.300	.719	.8750-20UNEF	2.244	1.181	3.056
71-580419-()	18	GTC08R18-()	10-37266-18	10-581831-()	10-580892-183	1.437		1.0000-20UNEF	2.283	1.377	3.095
71-580420-()	20	GTC08R20-()	10-37266-20	10-581832-()	10-580892-203	1.571		1.1875-18UNEF	2.401	1.377	3.213
71-580421-()	22	GTC08R22-()	10-37266-22	10-581833-()	10-580892-223	1.697		1.1875-18UNEF	2.401	1.377	3.415
71-580422-()	24	GTC08R24-()	10-37266-24	10-581834-()	10-580892-243	1.835		1.4375-18UNEF	2.598	1.575	3.232
71-580423-()	28	GTC08R28-()	10-37266-28	10-581835-()	10-580892-283	2.102		1.4375-18UNEF	2.598	1.575	3.692
71-580424-()	32	GTC08R32-()	10-37266-32	10-581836-()	10-580892-323	2.366		1.7500-18UNS	2.835	1.771	3.908
71-580425-()	36	GTC08R36-()	10-37266-36	10-581837-()	10-580892-363	2.610		2.0000-18UNS	2.952	1.968	4.171
71-580426-()	40	GTC08R40-*	10-37266-40	10-581838-()	10-580892-403	2.850		2.2500-16UN	3.071	2.165	4.280
71-580427/429-()		NOT AVAILABLE									

TO COMPLETE, ADD APPLICABLE INSERT
ARRANGEMENT SUFFIX PER 9-2437.

SEE NOTE 10

13. INDICATED ITEMS, (F/N'S 6 & 7), ARE APPLICABLE TO CONNECTORS CONTAINING CONTACT ARRANGEMENTS OTHER THAN THOSE SPECIFIED IN NOTE 12.

12. INDICATED ITEMS, (F/N'S 11, 12 & 13), ARE APPLICABLE TO CONNECTORS CONTAINING CONTACT SIZES 4 & 8.

11. INDICATED LENGTH APPLIES TO CONNECTORS WITH CONTACT PATTERNS CONTAINING SZ 4 OR 8 CONTACTS.

10. TO COMPLETE GROMMET PART NO., ADD APPLICABLE ARRANGEMENT SUFFIX.

9. PACKAGE PER PRODUCTION PROCESS SHEET.

8. SEE SEPARATE PARTS LIST FOR COMPONENT PART NUMBERS AND QUANTITIES.

7. FOR MATING CONNECTOR ASSEMBLIES, SEE 71-580960/979 AND OTHERS.

6. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.

5. PROCESS SPEC:
ASSY 9-9838
TEST 9-3106-18
9-3856-5, 9-3895, 9-2437

4. INSERTS ARE NOT REMOVABLE.

3. DRAWING ILLUSTRATES FINAL ASSEMBLY. FOR STORAGE AND SHIPPING, ELBOW ASSEMBLY MUST BE LOOSELY COUPLED. CONTACTS ARE SHIPPED UNASSEMBLED. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH THE APPROPRIATE SIZE SEALING PLUG.

2. FOR CONTACT SIZE, SPACING AND SERVICE RATING, SEE MIL-STD-1651 OR L-11908-() THRU L-11948-().

1. UNIT MEETS THE APPLICABLE REQUIREMENTS OF MIL-C-5015.

CONTACT SIZE

SHELL SIZE

X

Y
±.040

16 SHORT	10SL, 14S, 16S	.087±.039	.079
16 LONG	16 THRU 40	.260 ^{+.052} _{-.041}	.102
12	16 THRU 40	.118 ^{+.039} _{-.056}	.102
4, 8, 0	16 THRU 40	.091±.039	.102

CONTACT SIZE

0

4

8

12

16

WELL DIA	.453±.005	.281 ^{+.005} _{-.004}	.179 ^{+.004} _{-.002}	.098 ^{+.004} _{-.001}	.063 ^{+.004} _{-.001}
WELL DEPTH	.592 ^{+.031} _{-.000}	.500	.500	.250	.250

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SIZE C 77820 71-580410/429

SCALE NONE

WT.

REF N/A

SHEET 3

REV.

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TAB.