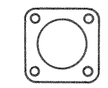
ASSEMBLY NUMBER	CB NUMBER	A THREAD PLATED CLASS 2A	B MIN FULL THD	C +.016 −.047	K +.020 −.010	L	M +.010 −.000	R ±.005	S	T DIA +.004 −.002	V THREAD PLATED CLASS 2A	Z +.050 −.060
10-68308-		NOT AVAILABLE										
10-68310-	3100-10S-	.6250-24 NEF	.391	.492	.672	.969	.563	.719	1.000	.120	.5000-28 UNEF	.422
10-68311-	-10SL-	.6250-24 NEF	.391	↓	↓	↓	.562	.719	1.000		.6250-24 NEF	↓
10-68312-	-12S-	.7500-20 UNEF	.450	↓	↓	↓	.563	.812	1.094		.6250-24 NEF	↓
10-68313-	-12-	.7500-20 UNEF	.625	.679	.860	1.344	.750	.812	1.094		.6250-24 NEF	.672
10-68314-	-14S-	.8750-20 UNEF	.450	.492	.672	.969	.563	.906	1.188		.7500-20 UNEF	.422
10-68315-	-14-	.8750-20 UNEF	.625	.679	.860	1.344	.750	.906	1.188		.7500-20 UNEF	.672
10-68316-	-16S-	1.0000-20 UNEF	.450	.492	.672	.969	.562	.969	1.281		.8750-20 UNEF	.422
10-68317-	-16-	1.0000-20 UNEF	.625	.679	.860	1.344	.750	.969	1.281		.8750-20 UNEF	.672
10-68318-	-18-	1.1250-18 NEF	↓	↓	.891	1.344	↓	1.063	1.375	↓	1.0000-20 UNEF	.641
10-68320-	-20-	1.2500-18 NEF	↓	↓	↓	↓	↓	1.156	1.500	↓	1.1250-18 NEF	↓
10-68322-	-22-	1.3750-18 NEF	↓	↓	↓	↓	↓	1.250	1.625	↓	1.2500-18 NEF	↓
10-68324-	-24-	1.5000-18 NEF	↓	↓	.953	1.406	.813	1.375	1.750	.147	1.3750-18 NEF	.578
10-68328-	-28-	1.7500-18 NS	↓	↓	.953	1.406	.812	1.562	2.000	.147	1.6250-18 NEF	.578
10-68332-	-32-	2.0000-18 NS	↓	↓	1.032	1.469	.875	1.750	2.250	.173	1.8750-16 N	.500
10-68336-	-36-	2.2500-16 UN	↓	↓	1.031	1.469	.875	1.938	2.500	.173	2.0625-16 N	.500
10-68340-		NOT AVAILABLE										

REL NO. 30508-99		REVISIONS		
CHG NO.	SYM	DESCRIPTION	DATE	APPROVED
38525-471	A2	PROVIDED SERIES COMPOSITE DRAWING REPLACING SHELL SIZE COMPOSITE DRAWINGS	3-7-62 HISCOTT	K
42762-1	A3	WAS TEST 9-3107-3 &ASSY 9-3104-1 (PRO SPEC); REV NOTE 8	3-12-64 Randall	J. Hayes
47525-818	A4	ADDED THERMO. & COAXIAL DATA BLOCK, SPECIAL & THERMO. SOLDER WELL DATA; DISCARDED INDIVIDUAL DWGS 10-68312-51 & -54	7-14-67 Whitney	B

ACCESSORIES
(NOT PART OF STANDARD ASSEMBLY)

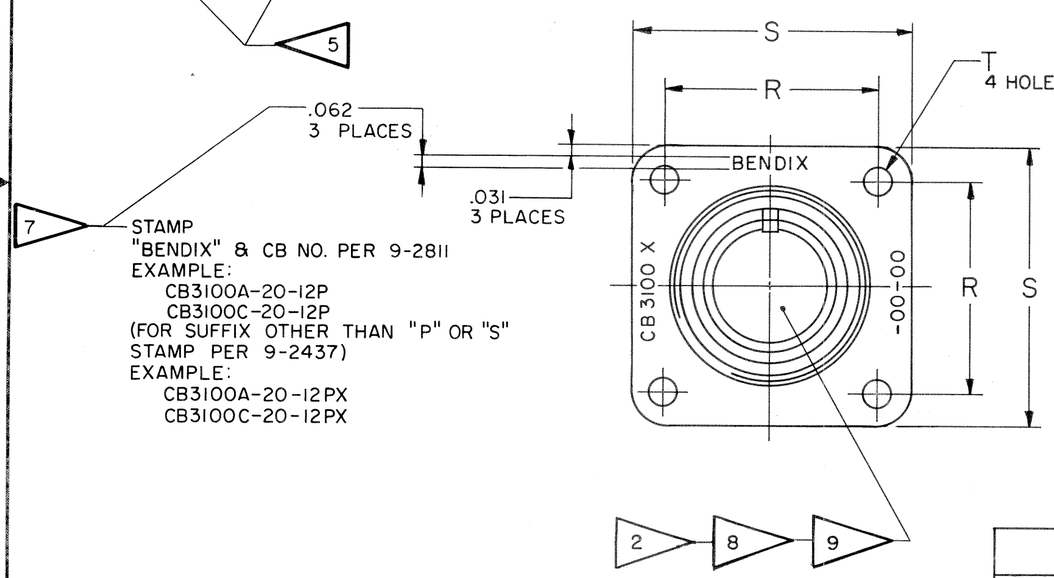


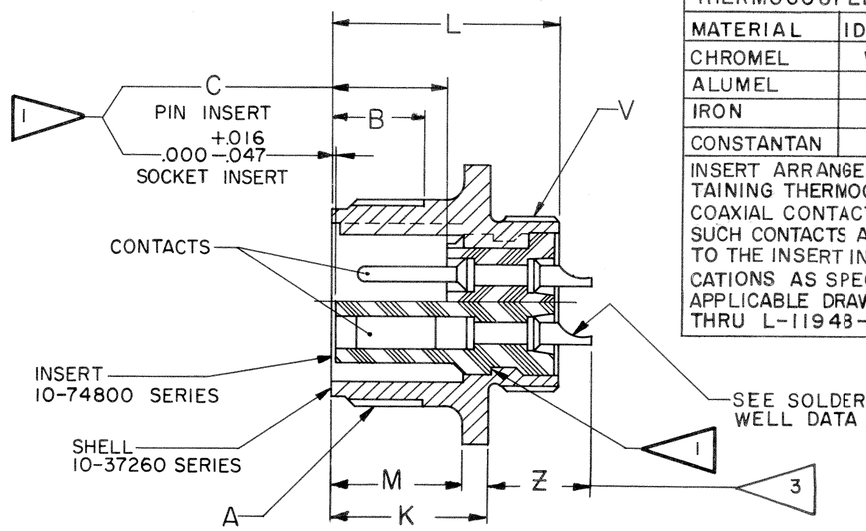
FLANGE GASKET, PLAIN
10-40450 - (SHELL SIZE)

FLANGE GASKET, SHIELDED
10-40450-(SHELL SIZE)S

CONTACT DATA (WHERE APPLICABLE)

THERMOCOUPLE		COAXIAL		
MATERIAL	IDENTIFICATION	ARR	CABLE	
CHROMEL	WHITE			
ALUMEL	GREEN			
IRON	BLACK			
CONSTANTAN	YELLOW			
INSERT ARRANGEMENTS CONTAINING THERMOCOUPLE OR COAXIAL CONTACTS MUST HAVE SUCH CONTACTS ASSEMBLED INTO THE INSERT IN PROPER LOCATIONS AS SPECIFIED BY APPLICABLE DRAWING L-11908-() THRU L-11948-( ).				





STANDARD SOLDER WELL DATA						SPECIAL SOLDER WELL DATA			THERMOCOUPLE	
CONTACT SIZE	0	4	8	12	16	8 FOR #6 WIRE	12 FOR #10 WIRE	16 FOR #12 WIRE	12	16
WELL DIA	.469 +.005 −.003	.332 +.005 −.003	.209 +.004 −.002	.116 +.004 −.002	.078 +.004 −.002	.250 ±.003	.152 +.004 −.002	.109 +.004 −.000	.125 +.004 −.002	.094 +.004 −.002
WELL DEPTH +.031 −.000	.625	.625	.500	.375	.250	.500	.250	.188	.250	.188

7. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
6. UNITS ILLUSTRATED MEET THE MATERIAL & FINISH REQUIREMENTS OF MIL-C-5015D.
5. TO COMPLETE ASSEMBLY NUMBER & CB NO. ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. (FOR ALTERNATE ARRANGEMENT REFER TO 9-2437). TO DETERMINE DESIRED INSERT ARRANGEMENT, SEE PARTS LISTS 10-68308/40.
4. SEE DRAWINGS 10-68608/40 & OTHERS FOR REQUIRED MATING PLUG ASSEMBLIES.
3. INCREASE Z DIMENSION BY .312 FOR SIZE "0" CONTACT ONLY.
2. FOR CONTACT SIZE, SPACING & SERVICE RATING, SEE DRAWINGS AND10425 THRU AND10435.
1. DIMENSIONS MUST BE MAINTAINED WHEN INSERTS ARE PRESSED FIRMLY AGAINST INDICATED SHOULDER.

NOTES: REF SYMBOL ◁

9. ALL 10- & 61- ASSEMBLIES TO BE ASSEMBLED PER 9-3103-1 AND TESTED PER 9-3106-5. INSERTS AND CONTACTS ARE REMOVABLE.
8. ALL 62- ASSEMBLIES TO BE ASSEMBLED PER 9-3238-1 AND TESTED PER 9-3106-4. INSERTS AND CONTACTS ARE NOT REMOVABLE.

ITEM NO.	QTY REQD	DESCRIPTION	PART NUMBER	CODE IDENT	ZONE

PARTS LIST — NEXT ASSEMBLY

UNLESS OTHERWISE SPECIFIED
LINEAR DIMENSIONS ARE IN INCHES. TOLERANCES: 3 PLACES ±.010; 2 PLACES ±.03; 1 PLACE ±.1; ANGLES ±2°. OTHER STANDARDS PER SCINTILLA SPEC 9-3800 AND MIL-STD 8.

MATERIAL SPEC	PROCESS SPEC
	TEST 9-3106-5 9-3106-4 ASSY 9-3103-1 9-3238-1 SEE NOTES 8&9
	9-2437, 9-2811

DRAWN: J. RUSSO — DATE: 12-26-61
CHECKED: R. Blacke — DATE: 12-28-61
MATERIAL:
STANDARDS: J. Balantic 12-29-61
DRAFTING: [illegible] 12-29-61
ENGINEERING: J.M. Harmon 12-29-61
DEVELOPMENT:

THE Bendix CORPORATION — SCINTILLA DIVISION — SIDNEY, NEW YORK, U.S.A.

TITLE:
CONNECTOR, ELECTRICAL
RECEPTACLE,
TYPE CB( )FW

CODE IDENT NO.	SIZE	
77820	C	10-68308 THRU 10-68340

SCALE NONE | WT SEE PARTS LIST | REF 10-41308/40 | SHEET

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10-68308/340