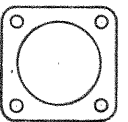
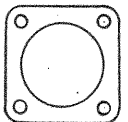
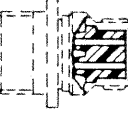
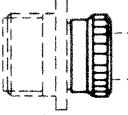
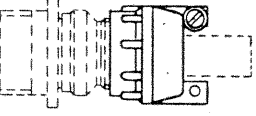
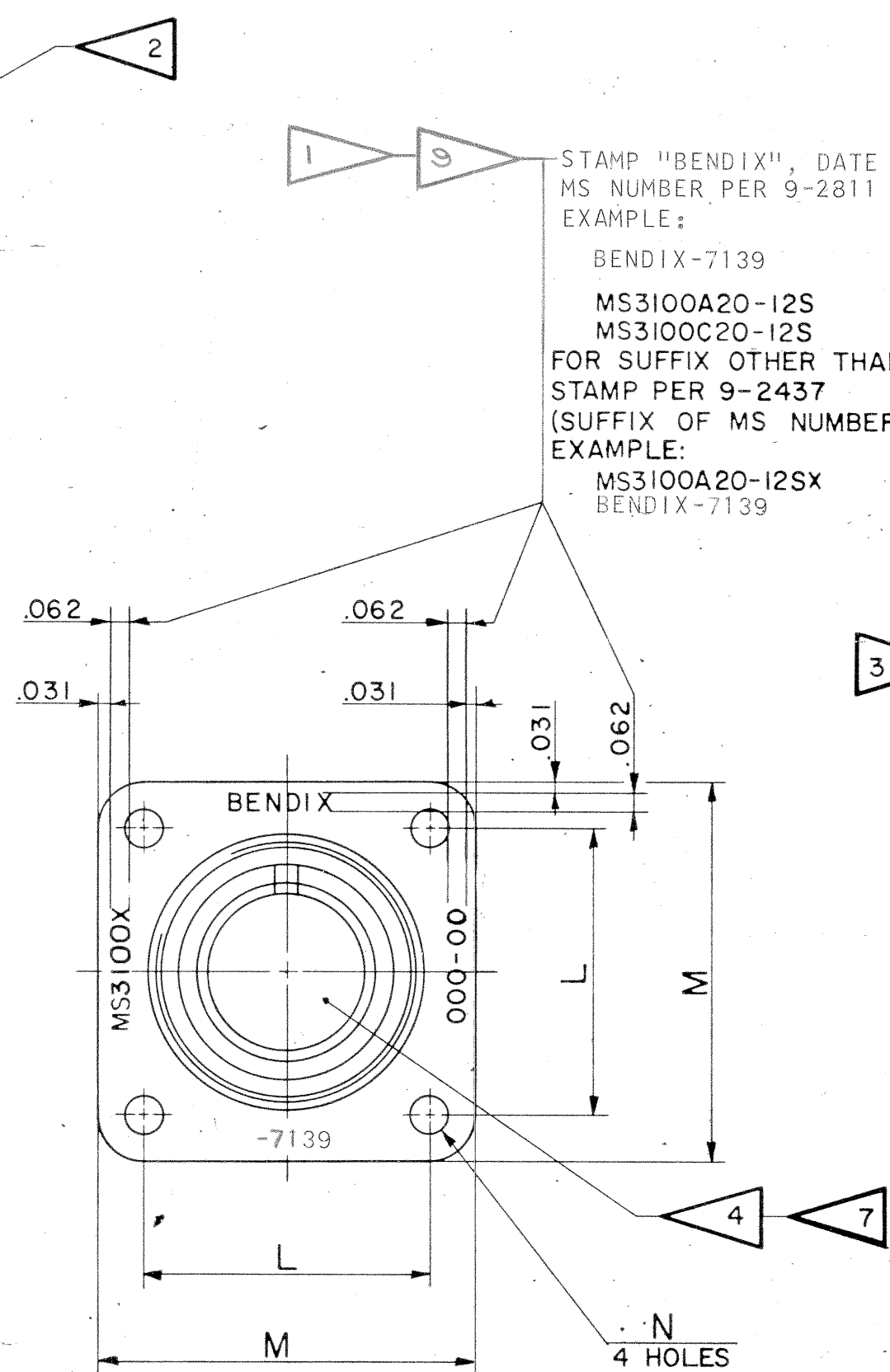
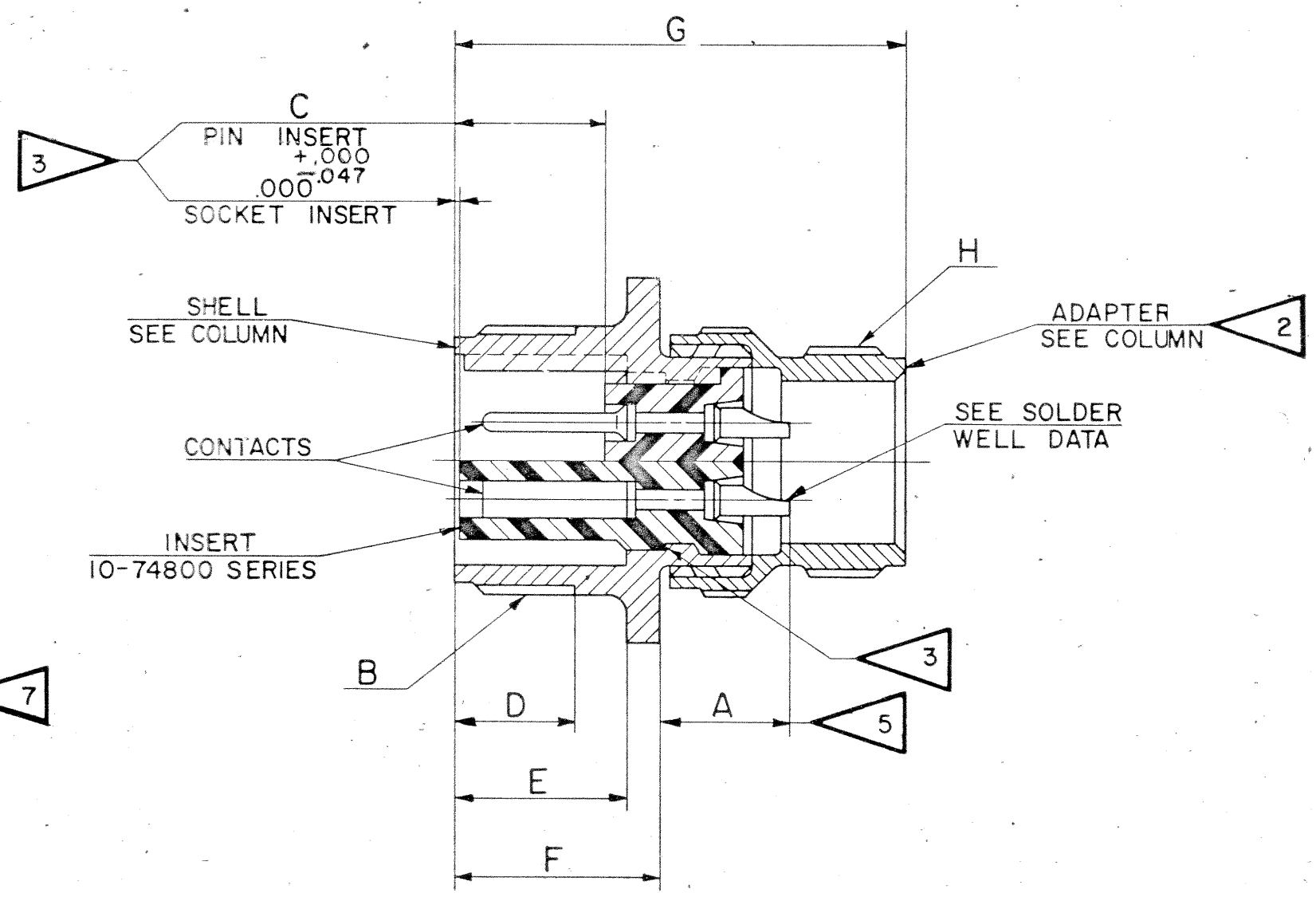


ACCESSORIES (NOT PART OF STANDARD ASSEMBLY)	
 FLANGE GASKET, PLAIN 10-40450- SERIES	 FLANGE GASKET, SHIELDING 10-40450- () S SERIES
 GROMMET 10-40800 SERIES	 GROMMET RETAINING NUT SEE TABLE
 CABLE CLAMP 10-35900-XX3 SERIES	



STAMP "BENDIX", DATE CODE (9-3895) &
MS NUMBER PER 9-2811
EXAMPLE:
BENDIX-7139
MS3100A20-12S
MS3100C20-12S
FOR SUFFIX OTHER THAN "P" OR "S",
STAMP PER 9-2437
(SUFFIX OF MS NUMBER ONLY)
EXAMPLE:
MS3100A20-12SX
BENDIX-7139



10-168008 THRU
10-168040

USE OF THIS DOCUMENT IS UNLIMITED. DOCUMENTS
REFERENCED HEREON CONTAIN LIMITED RIGHTS DATA.

SOLDER WELL DATA									
CONTACT SIZE	0	4	8	12	16M				
WELL DIA	.469 $\pm$.005 -.003	.332 $\pm$.005 -.003	.209 $\pm$.004 -.002	.116 $\pm$.004 -.002	.078 $\pm$.004 -.002				
WELL DEPTH $\pm$.031 -.000	.625	.625	.500	.375	.250				

MATERIAL SPEC.	PROCESS SPEC. SEE SHEET 2	SCINTILLA MAGNETO DIVISION BENDIX AVIATION CORPORATION SIDNEY, N.Y. U.S.A.				TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm$.010			
HEAT TREAT SPEC.	FINISH SPEC.	NAME CONNECTOR, ELECTRICAL RECEPTACLE, TYPE C () FW				NEXT ASSEMBLY SEE PARTS LIST			
		D'WAN	CHECKER	MAT.	ST'DS	CH. D'WAN	APPROVED	SCALE	SUPERSEDED BY
		RINES	B. J. RINES					NONE	10-168008 THRU 10-168040
		TOOL ACC.		SUM. REF. 22569-1		4-24-57		5-9-57	

DWG SIZE C TAB SHEET 1 OF 2 CODE 7782

SEE SHEET 2.
NOTES: REF SYMBOL 

REL	WAS	DATE	D MAN	APPD
1	33750-54	ADD. NOTE 10 & DATA	1-20-58	HUDOCK
2	35826-1	REV. "C" COLUMN	9-2-59	SIEDSMA
A1	36200-27	.188 (16M), .250 (12), .500 (4) (SOLDER WELL DEPTH); REM SOLDER WELL DATA FOR 16	2-11-60	AK
A2	36525-322	REM PD COL (8 & H THD); REV NOTE 4; ADD NOTE 11	3-17-60	LALLI
A3	42525-43	MIL-C-5015C (NOTE 1)	10-2-63	MILLAR
A4	51175-1	REM NOTE 10, REVISION LETTER (C) (4 PLCS)	11-7-69	Hand
A5	53249-13	ADD. 9-3895 (PRO SPEC); REV STAMP NOTE	1-6-72	Hand

REF	W-A-	DATE	D MAN	APPD
32508-157				
1 33750-84	SEE SHEET I	1-20-58	HUDOCK	<i>Handwritten initials</i>
2 35826-1	SEE SHEET I			
A1 36200-27	SEE SHEET I	9-2-59	SIEDSMA	<i>Handwritten initials</i>
A2 36525-322	SEE SHEET I	2-11-60	Markowski	<i>Handwritten initials</i>
A3 42525-43	SEE SHEET I	3-17-60	LALLI	<i>Handwritten initials</i>
A4	SEE SHEET I FOR ALL CHANGES	10-263	MILLAR	<i>Handwritten initials</i>
A5				

ASSEMBLY NO.	MS NO.	DIMENSIONS													DETAILS				ACCESSORY	
		A +.050 -.060	B THREAD (PLATED) CLASS 2A		C ±.031	D MIN FULL THD	E +.010 -.000	F +.020 -.010	G ±.030	H THREAD (PLATED) CLASS 2A		L ±.005	M	N DIA +.004 -.002	SHELL	ADAPTER	GROMMET RETAINING NUT			
10-168008 -	3100 8S -	.422	.5000-28UNEF		.484	.391	.562	.672	1.391	.5000-28UNEF		.594	.875	.120	10-37260-8	10-37267-8	10-37269-8			
10-168010 -	10S -		.6250-24NEF				.563		1.468	.5000-28UNEF		.719	1.000		-10	-10	-10			
10-168011 -	10SL -		.6250-24NEF				.562			.6250-24NEF		.719	1.000		-11	-12	-12			
10-168012 -	12S -		.7500-20UNEF			.450	.563					.812	1.094		-12	-12	-12			
10-168013 -	12 -	.672	.7500-20UNEF		.672	.625	.750	.860	1.843			.812	1.094		-13	-13	-13			
10-168014 -	14S -	.422	.8750-20UNEF		.484	.450	.562	.672	1.468	.7500-20UNEF		.906	1.188		-14	-14	-14			
10-168015 -	14 -	.672	.8750-20UNEF		.672	.625	.750	.860	1.843	.7500-20UNEF		.906	1.188		-15	-15	-15			
10-168016 -	16S -	.422	1.0000-20UNEF		.484	.450	.562	.672	1.468	.8750-20UNEF		.969	1.281		-16	-16	-16			
10-168017 -	16 -	.672	1.0000-20UNEF		.672	.625	.750	.860	1.843	.8750-20UNEF		.969	1.281		-17	-17	-17			
10-168018 -	18 -	.641	1.1250-18NEF					.891	1.938	1.0000-20UNEF		1.063	1.375		-18	-18	-18			
10-168020 -	20 -		1.2500-18NEF						1.844	1.1875-18NEF		1.156	1.500		-20	-20	-20			
10-168022 -	22 -		1.3750-18NEF						1.938	1.1875-18NEF		1.250	1.625		-22	-22	-22			
10-168024 -	24 -	.578	1.5000-18NEF				.813	.953	1.969	1.4375-18NEF		1.375	1.750	.147	-24	-24	-24			
10-168028 -	28 -	.578	1.7500-18NS				.812	.953	2.188	1.4375-18NEF		1.562	2.000	.147	-28	-28	-28			
10-168032 -	32 -	.500	2.0000-18NS				.875	1.032	2.157	1.7500-18NS		1.750	2.250	.173	-32	-32	-32			
10-168036 -	36 -		2.2500-16UN					1.031	2.219	2.0000-18NS		1.938	2.500		-36	-36	-36			
10-168040 -	40 -		2.5000-16UN					1.031	2.188	2.2500-16UN		2.188	2.750		-40	-40	-40			

10-168008 THRU
10-168040

4. FOR CONTACT SIZE, SPACING & SERVICE RATING, SEE DRAWINGS MS33680 THRU MS33690.
3. DIMENSIONS MUST BE MAINTAINED WHEN INSERTS ARE PRESSED FIRMLY AGAINST INDICATED SHOULDER.
2. ADAPTER MUST BE REMOVED WHEN GROMMET RETAINING NUT IS USED.
1. THE UNITS ILLUSTRATED MEET THE REQUIREMENTS OF MS3100A & MS3100C, PER SPEC MIL-C-5105D.
- NOTES: REF SYMBOL 
11. FOR PART NUMBERS 10-168017-13, 10-168018-15, 61- & 62-, SEE INDIVIDUAL DRAWINGS 10-168017-13, 10-168018-15, 61-00000 & 62-00000.
- 10.
9. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
8. SEE DRAWINGS 10-168608 THRU 10-168640. & 10-168808 THRU 10-168840 FOR REQUIRED MATING PLUG ASSEMBLIES.
7. ALL 10- & 61- ASSEMBLIES TO BE ASSEMBLED TO 9-3103-1 AND TESTED TO 9-3106-5, INSERTS AND CONTACTS ARE REMOVABLE. ALL 62- ASSEMBLIES TO BE ASSEMBLED TO 9-3238-1 AND TESTED 9-3106-4. INSERTS AND CONTACTS ARE NOT REMOVABLE.
6. TO COMPLETE ASSEMBLY NUMBER & MS NUMBER, ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. (FOR ALTERNATE ARRANGEMENTS, REFER TO 9-2437). TO DETERMINE DESIRED INSERT ARRANGEMENT, SEE PARTS LISTS 10-168008 THRU 10-168040.
5. INCREASE A DIMENSION BY .312 FOR SIZE "O" CONTACT ONLY.

MATERIAL SPEC	PROCESS SPEC	SCINTILLA MAGNETO DIVISION					TOLERANCES UNLESS OTHERWISE SPECIFIED	
	TEST 9-3106-5 9-3106-4 ASSY 9-3103-1 9-3238-1 SEE NOTE 7	BENDIX AVIATION CORPORATION SIDNEY, N.Y., U.S.A.					DECIMALS ±.010 FRACTIONS 1/16" MINIMUM DIMENSIONS TO BE SHOWN DIMENSIONS TO BE SHOWN DIMENSIONS TO BE SHOWN	
HEAT TREAT SPEC	9-2811 9-2437 9-3895	NAME CONNECTOR, ELECTRICAL RECEPTACLE, TYPE C () FW					NEXT ASSEMBLY WEIGHT - LBS. SEE PARTS LIST	
POOL AGE	COAT REC 2-569-1	D'MAN	CHECKER	MAT.	STDS	CH D'MAN	APPROVED	SCALE
		RINES	BR/MN/C		1/16"	5-10-57	5-10-57	NONE
		4-25-57	5-9-57					
		DWG SIZE C					TAB	
		SHEET 2 OF 2					CODE 7782	