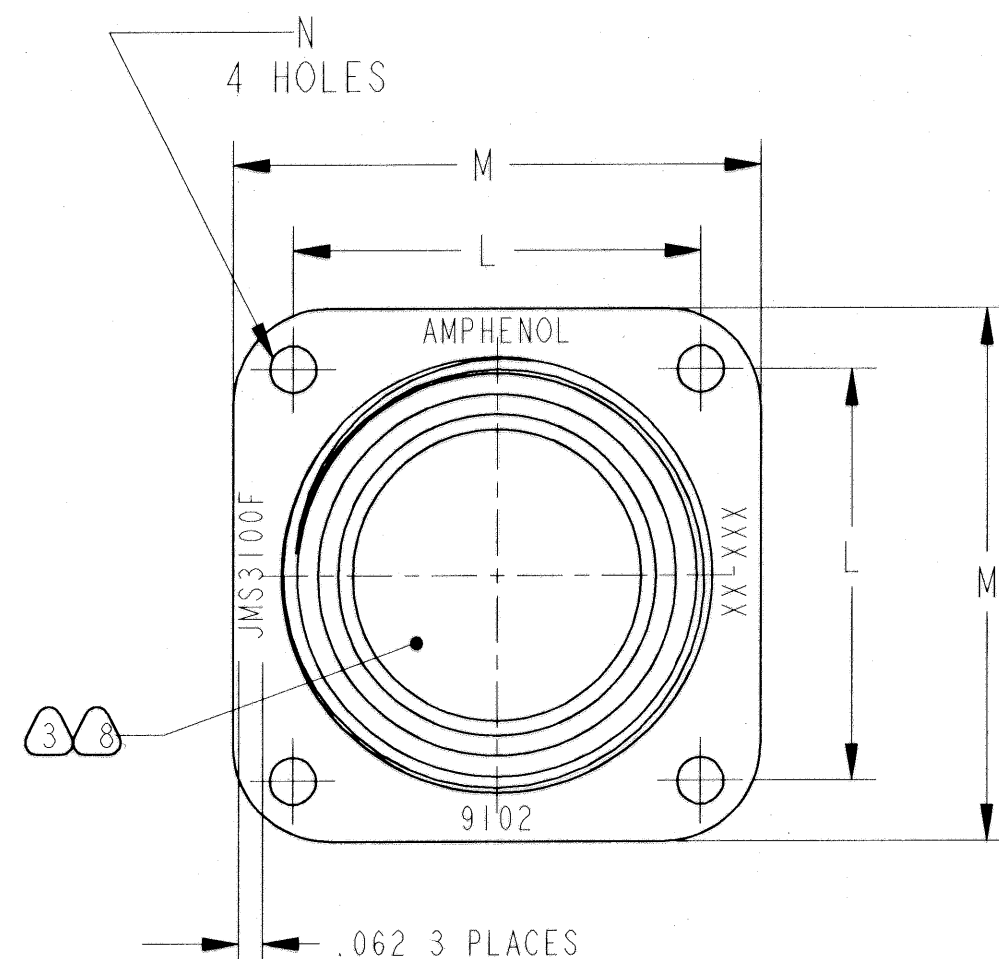
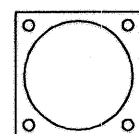
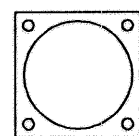


ACCESSORIES

(NOT PART OF STANDARD ASSEMBLY)



5 BLACK INK STAMP "AMPHENOL",
DATE CODE(9-3895) AND MS NUMBER
PER 9-2811
EXAMPLE:
AMPHENOL 9102 JMS3100F20-12P

CONTACT DATA (WHERE APPLICABLE)	
THERMOCOUPLE	
MATERIAL	IDENTIFICATION
CHROMEL	WHITE
ALUMEL	GREEN
IRON	BLACK
CONSTANTAN	YELLOW
INSERT ARRANGEMENTS CONTAINING THERMOCOUPLE CONTACTS MUST HAVE SUCH CONTACTS ASSEMBLED INTO THE INSERT IN PROPER LOCATIONS AS SPECIFIED BY APPLICABLE DRAWINGS MS33683-13 OR MS33684-15	

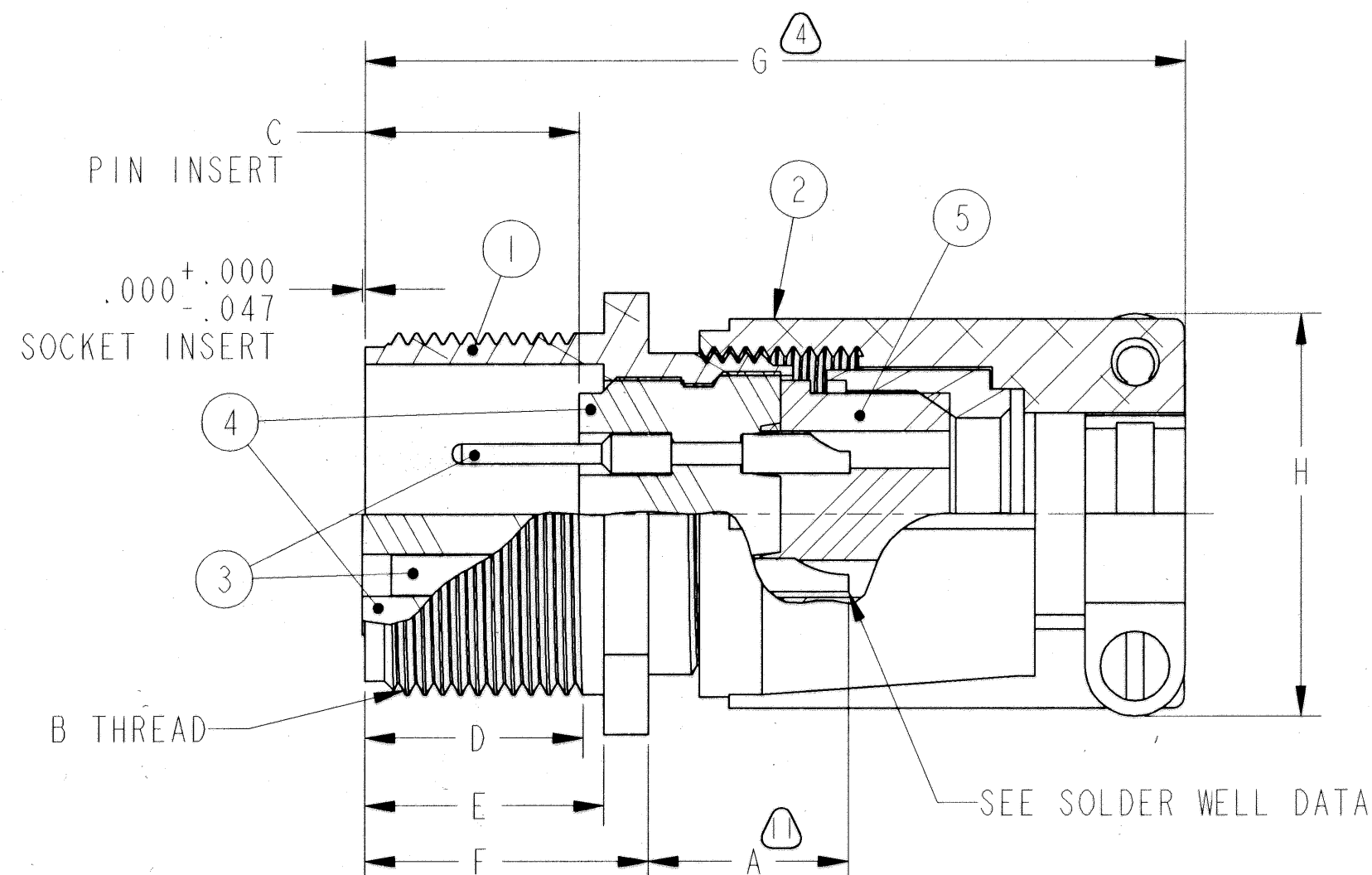
SEE SHEET 2.

NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

COMPANY ID:	4	CODED/MS/CUST:	Y	N/A
INTERNAL:	N	LOT NO:	N	
DATE CODE:	9-3895	SEE DRAW:	N	N/A

STAMPING DATA	NEXT ASSEMBLY
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SOLDER WELL DATA						THERMOCOUPLE	
CONTACT SIZE	0	4	8	12	16	12	16
WELL DIA	.469 ^{+.005} _{-.003}	.332 ^{+.005} _{-.003}	.209 ^{+.004} _{-.002}	.116 ^{+.004} _{-.002}	.078 ^{+.004} _{-.002}	.125 ^{+.004} _{-.002}	.094 ^{+.004} _{-.002}
WELL DEPTH ^{+.031} _{-.000}	.625	.625	.500	.375	.250	.250	.188

5	I	SEE COLUMN	GROMMET	
4	I	SEE COLUMN	INSERT	
3		SEE NOTE 12	CONTACTS	2
2	I	SEE COLUMN	BACKSHELL KIT	
1	I	SEE COLUMN	SHELL	

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS	POS	QTY	PART NUMBER	DESCRIPTION		NOTE
		PARTS LIST					
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 .XXX = ±.010 .XX = ±.03 .X = ±.1 ANGLES = ±2° OTHER STANDARDS PER 9-3800 AND DOD-D-1000 THIRD ANGLE PROJECTION	MATERIAL SPEC.	APPROVALS		DATE	AMPHENOL CORPORATION SIDNEY, N.Y. 13838-1395		
	N/A	PREPARED	WHITNEY	11-6-69			
	PROCESS SPEC.	CHECKED	MELENOLA	11-18-69	CONNECTOR, ELECTRICAL RECEPTACLE, TYPE MS3100F		
	TEST: 9-3106-1	MATERIAL					
	ASSY: 9-3238-1	APPROVED	R. W. TYLER	11-6-69			
		APPROVED	W. M. HARRISON	11-19-69			
		PROJ/ENG INFORMATION 10-474008.050.ASSEM 10-474008.050		SIZE	FSCN NO.	DOCUMENT NO.	REV.
				C	77820	10-474008 THRU 10-474050	D
				SCALE: NONE	REF: 10-329800/19	SHEET 1 OF 2	

FAMCODES	DATA3:ANS	MNS	CICS:
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4		3				2					1					
ASSEMBLY NUMBER	MS NUMBER	⑮ INSERT	⑮ GROMMET	SHELL	BACKSHELL KIT	A +.050 -.060	B THREAD CLASS 2A (PLATED)	C ±.031	D MIN FULL THREAD	E +.010 -.000	F +.020 -.010	G MAX	H MAX	L ±.005	M	N DIA +.004 -.002
10-474008-()	3100F- 8S -()	N O T A V A I L A B L E														
10-474010-()	3100F-10S -()	N O T A V A I L A B L E														
10-474011-()	3100F-10SL-()	10-74811-()	10-60711-()	10-37260-11	10-584182-113	.422	.6250-24 UNEF	.484	.391	.562	.672	2.192	.896	.719	1.000	.120
10-474012-()	3100F-12S -()	10-74812-()	10-60712-()	10-37260-12	10-584182-113	.422	.7500-20 UNEF	.484	.450	.562	.672	2.192	.896	.812	1.094	.120
10-474013-()	3100F- 12 -()	10-74813-()	10-60713-()	10-37260-13	10-584182-113	.672	.7500-20 UNEF	.672	.625	.750	.860	2.536	.896	.812	1.094	.120
10-474014-()	3100F-14S -()	10-74814-()	10-60714-()	10-37260-14	10-584185-143	.422	.8750-20 UNEF	.484	.450	.562	.672	2.192	1.021	.906	1.188	.120
10-474015-()	3100F- 14 -()	10-74815-()	10-60715-()	10-37260-15	10-584185-143	.672	.8750-20 UNEF	.672	.625	.750	.860	2.536	1.021	.906	1.188	.120
10-474016-()	3100F-16S -()	10-74816-()	10-60716-()	10-37260-16	10-584187-163	.422	1.0000-20 UNEF	.484	.450	.562	.672	2.192	1.151	.969	1.281	.120
10-474017-()	3100F- 16 -()	10-74817-()	10-60717-()	10-37260-17	10-584188-173	.672	1.0000-20 UNEF	.672	.625	.750	.860	2.536	1.151	.969	1.281	.120
10-474018-()	3100F- 18 -()	10-74818-()	10-60718-()	10-37260-18	10-584189-183	.641	1.1250-18 UNEF	.672	.625	.750	.891	2.661	1.242	1.062	1.375	.120
10-474020-()	3100F- 20 -()	10-74820-()	10-60720-()	10-37260-20	10-584190-203	.641	1.2500-18 UNEF	.672	.625	.750	.891	2.661	1.499	1.156	1.500	.120
10-474022-()	3100F- 22 -()	10-74822-()	10-60722-()	10-37260-22	10-584191-223	.641	1.3750-18 UNEF	.672	.625	.750	.891	2.661	1.499	1.250	1.625	.120
10-474024-()	3100F- 24 -()	10-74824-()	10-60724-()	10-37260-24	10-584192-243	.578	1.5000-18 UNEF	.672	.625	.812	.953	2.739	1.781	1.375	1.750	.147
10-474028-()	3100F- 28 -()	10-74828-()	10-60728-()	10-37260-28	10-584193-283	.578	1.7500-18 UNS	.672	.625	.812	.953	2.739	1.781	1.562	2.000	.147
10-474032-()	3100F- 32 -()	10-74832-()	10-60732-()	10-37260-32	10-584194-323	.500	2.0000-18 UNS	.672	.625	.875	1.031	3.128	2.087	1.750	2.250	.173
10-474036-()	3100F- 36 -()	10-74836-()	10-60736-()	10-37260-36	10-584195-363	.500	2.2500-16 UN	.672	.625	.875	1.031	3.128	2.281	1.938	2.500	.173
10-474040-()	3100F- 40 -()	S E E I N D I V I D U A L D R A W I N G														
10-474041/50		N O T A V A I L A B L E														

6. TO COMPLETE ASSEMBLY NUMBER AND MS NUMBER, ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. (FOR ALTERNATE ARRANGEMENTS, REFER TO 9-2437).
5. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
4. DIMENSION INDICATES FINAL INSTALLATION. FOR STORAGE AND SHIPPING, NUT AND SLEEVE MUST BE LOOSELY COUPLED.
3. FOR CONTACT SIZE, SPACING AND SERVICE RATING, SEE DRAWINGS, MIL-STD-1651.
2. PACKAGE PER PRODUCTION PROCESS SHEET.
1. SHIP CONNECTOR WITH SEALING PLUGS UNASSEMBLED.
- NOTES:
- THE USE OF THIS DOCUMENT IS UNLIMITED. HOWEVER, DOCUMENTS REFERENCED HEREON MAY CONTAIN LIMITED RIGHTS DATA.
15. SOME INSERTS AND GROMMETS ARE TOOLED UNDER A +50 PART NUMBER. CONSULT PARTS LIST FOR VERIFICATION.
14. INDICATED THERMOCOUPLE CONTACT DATA IS APPLICABLE ONLY TO 10-474017-13P/S, 10-474018-15P/S (AND THEIR ALTERNATE ARRANGEMENTS) WHICH ARE THE ONLY THERMOCOUPLE ARRANGEMENTS AVAILABLE IN THIS SERIES.
13. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH APPROPRIATE SIZE SEALING PLUGS.
12. SEE SEPARATE PARTS LIST FOR COMPONENT PART NUMBERS AND QUANTITIES.
11. INCREASE "A" DIMENSION BY .312 FOR SIZE "0" CONTACT ONLY.
10. UNITS ILLUSTRATED MEET THE MATERIAL AND FINISH REQUIREMENTS OF MIL-C-5015.
9. ALL LOCKWIRE HOLES ARE .045 DIAMETER MINIMUM
8. INSERTS AND CONTACTS ARE NOT REMOVABLE.
7. SEE DRAWING 10-474608/650 AND OTHERS FOR REQUIRED MATING PLUG ASSEMBLIES.

SIZE C	FSCM NO. 77820	DOCUMENT NO. 10-474008 THRU 10-474050	REV. D
SCALE: NONE		REF: 10-329800/19	SHEET 2 OF 2