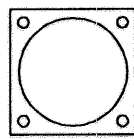
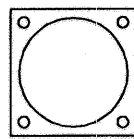


ACCESSORIES

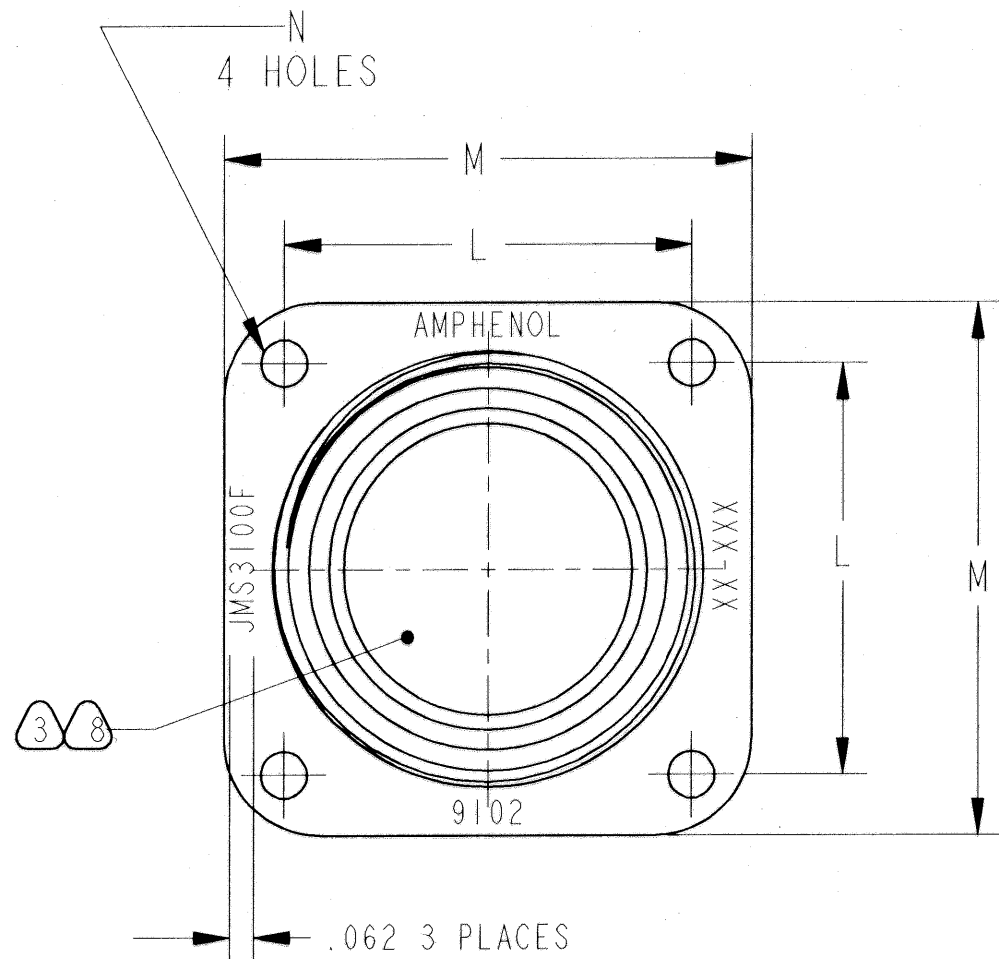
(NOT PART OF STANDARD ASSEMBLY)



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



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



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	

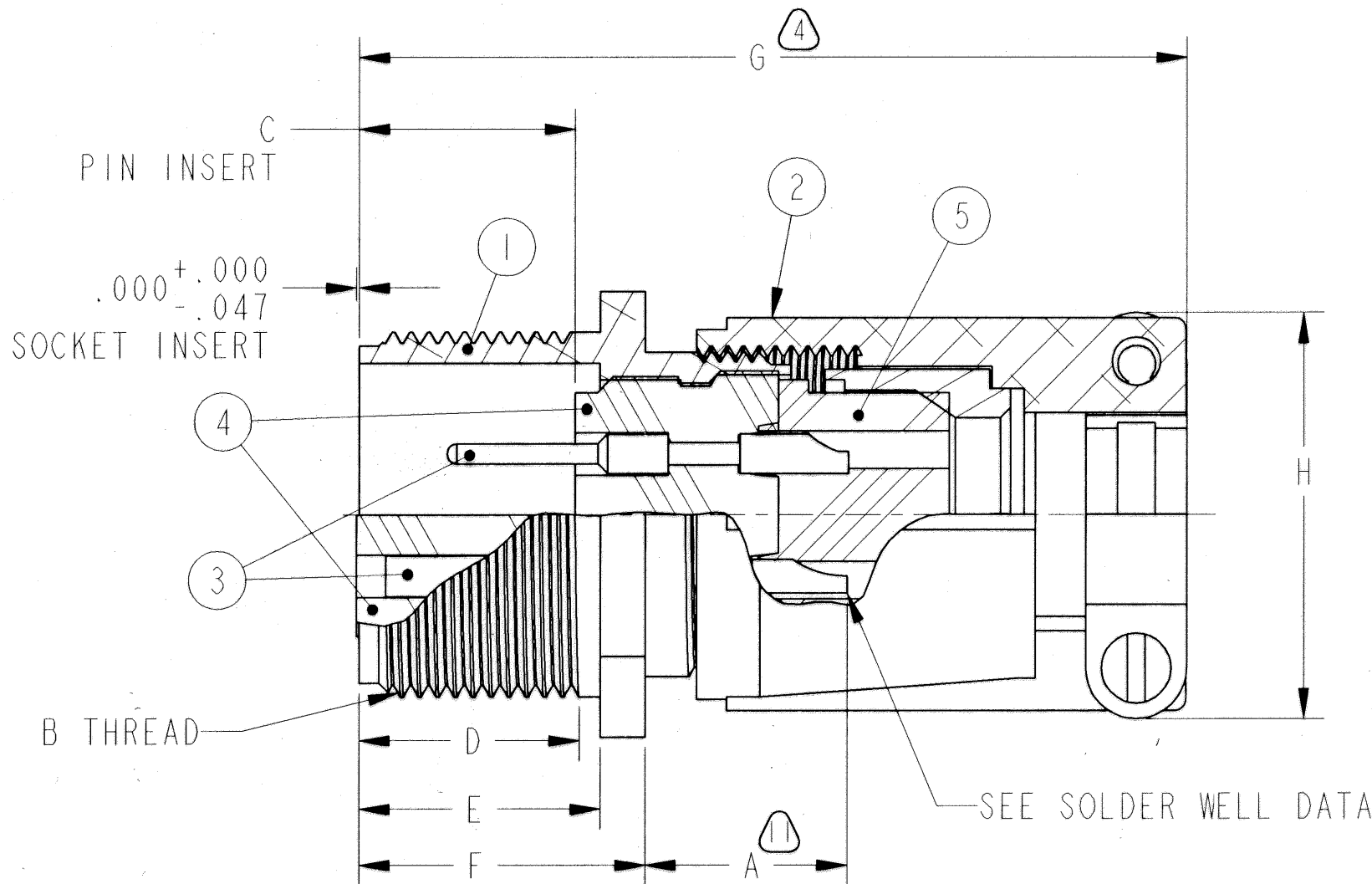
SEE SHEET 2.

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



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	.188

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

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE
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.	N/A	APPROVALS	DATE	PARTS LIST		
		PROCESS SPEC.	TEST:9-3106-1	PREPARED	WHITNEY	11-4-69	AMPHENOL CORPORATION SIDNEY, N.Y. 13838-1395	
		ASSY:9-3238-1	9-2437, 9-2811, 9-3895	CHECKED	MENDEOLA	11-18-69		
				MATERIAL			CONNECTOR, ELECTRICAL RECEPTACLE, TYPE MS3100F	
				APPROVED	R. W. TYLER	11-6-69		
				APPROVED	W. M. HARRISON	11-19-69		
				PRO/ENG INFORMATION		10-474008-050.ASSEM	10-474008-050	
						10-474008-050		
				SIZE	C	FSCM NO. 77820	DOCUMENT NO. 10-474008 THRU 10-474050	REV. D
				SCALE: NONE		REF: 10-329800/19	SHEET 1 OF 2	

FAMCODES DATA3:ANS MNS CICS:

10-474008/050

DOC NO

SH

1 OF 2

A

TAB.

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 -()	NOT AVAILABLE														
10-474010-()	3100F-10S -()	NOT AVAILABLE														
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 -()	SEE INDIVIDUAL DRAWING														
10-474041/50		NOT AVAILABLE														

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

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