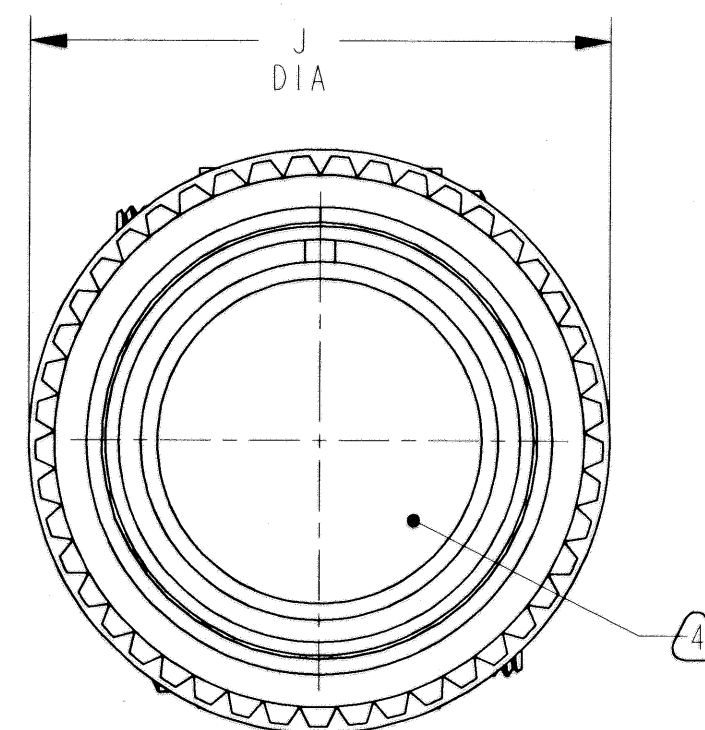
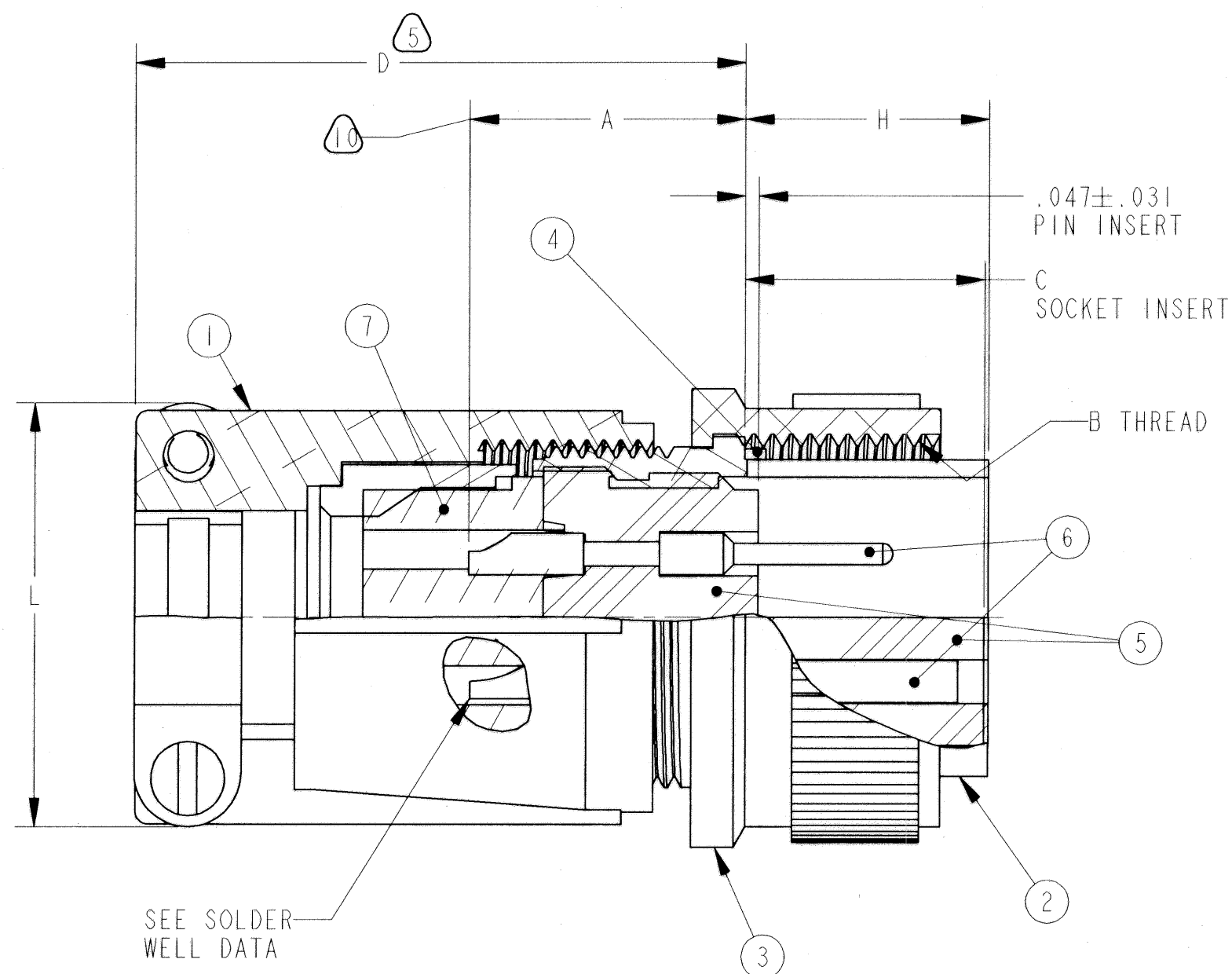
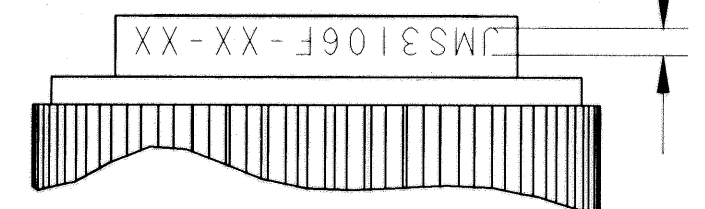


51536-58		REVISIONS	
LTR	DESCRIPTION	DATE	APPVD
C	(CL 11) REDRAWN SAME SIZE SEE ECN: 84215		
D	(CL 11) SEE ECN 91328	8/11/02	W. Baker



.062
STAMP MS NUMBER, "AMPHENOL"
AND DATE CODE (9-3895)
OPPOSITE KEYWAY PER 9-2811
IN APPROXIMATE POSITION SHOWN
EXAMPLE:
JMS3106F-18-1P AMPHENOL 9829



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 MIL-STD-1651

STANDARD SOLDER WELL DATA						THERMOCOUPLE	
CONTACT SIZE	0	4	8	12	16	12	16
WELL DIA	.469 $\pm$.005 -.003	.332 $\pm$.005 -.003	.209 $\pm$.004 -.002	.116 $\pm$.004 -.002	.078 $\pm$.004 -.002	.125 $\pm$.004 -.002	.094 $\pm$.004 -.002
WELL DEPTH	$\pm$.031 -.000	.625	.500	.375	.250	.250	.188

7	I	SEE COLUMN	GROMMET	
6	AR	SEE NOTE	CONTACTS	
5	I	SEE COLUMN	INSERT	
4	I	10-035957-XXI	GASKET	
3	I	SEE COLUMN	COUPLING	
2	I	SEE COLUMN	SHELL	
1	I	SEE COLUMN	BACKSHELL KIT	

SEE SHEET 2.

NOTES:

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

STAMPING DATA

N/A
N/A
NEXT ASSEMBLY

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. N/A	APPROVALS	DATE	AMPHENOL CORPORATION SIDNEY, N.Y. 13838				
		PREPARED	WHITNEY				11-4-69	
	CHECKED	MENDEOLA	11/18/69	CONNECTOR, ELECTRICAL PLUG, TYPE 3106F				
	MATERIAL							
	APPROVED	US R.W. TYLER	11-6-69					
PROCESS SPEC.	TEST 9-3106-5 ASSY 9-2437, 9-2811 9-3103-1, 9-3895	APPROVED	WMHARRISON	11-19-69	SIZE C	FSCM NO. 77820	DOCUMENT NO. 10-474608/650	REV. D
		PRO/ENG INFORMATION 10-474608-650.ASSEM 10-474608-650			SCALE: NONE REF: 10-329860/879			SHEET 1 OF 2

AMPHENOL CORPORATION
SIDNEY, N.Y. 13838

CONNECTOR,
ELECTRICAL PLUG,
TYPE 3106F

SIZE	FSCM NO.	DOCUMENT NO.	REV.
C	77820	10-474608/650	D
SCALE: NONE		REF: 10-329860/879	SHEET 1 OF 2

4				3			2				1	
ASSEMBLY NUMBER	MS NUMBER	 INSERT	 GROMMET	SHELL	COUPLING NUT	BACKSHELL KIT	A ±.045	B THREAD CLASS 2B (PLATED)	C +.047 -.000	D MAX	H MAX	J DIA MAX
10-474608-()	3106F- 8S -()	NOT AVAILABLE										
10-474610-()	3106F-10S -()	NOT AVAILABLE										
10-474611-()	3106F-10SL-()	10-074811-()	10-060711-()	10-37266-011	SHELL ASSY	10-584182-113	.562	.6250-24 UNEF	.531	2.129	.531	.946
10-474612-()	3106F-12S -()	10-074812-()	10-060712-()	10-37266-012	10-37265-12	10-584182-113	.562	.7500-20 UNEF	.531	2.129	.531	.995
10-474613-()	3106F- 12 -()	10-074813-()	10-060713-()	10-37266-013	10-37265-13	10-584182-113	.812	.7500-20 UNEF	.719	2.129	.719	.995
10-474614-()	3106F-14S -()	10-074814-()	10-060714-()	10-37266-014	10-37265-14	10-584185-143	.562	.8750-20 UNEF	.531	2.201	.531	1.123
10-474615-()	3106F- 14 -()	10-074815-()	10-060715-()	10-37266-015	10-37265-15	10-584185-143	.812	.8750-20 UNEF	.719	2.524	.719	1.123
10-474616-()	3106F-16S -()	10-074816-()	10-060716-()	10-37266-016	10-37265-16	10-584187-163	.562	1.0000-20 UNEF	.531	2.201	.531	1.250
10-474617-()	3106F- 16 -()	10-074817-()	10-060717-()	10-37266-017	10-37265-17	10-584188-173	.812	1.0000-20 UNEF	.719	2.524	.719	1.250
10-474618-()	3106F- 18 -()	10-074818-()	10-060718-()	10-37266-018	10-37265-18	10-584189-183	.812	1.1250-18 UNEF	.719	2.596	.719	1.333
10-474620-()	3106F- 20 -()	10-074820-()	10-060720-()	10-37266-020	10-37265-20	10-584190-203	.812	1.2500-18 UNEF	.719	2.654	.719	1.461
10-474622-()	3106F- 22 -()	10-074822-()	10-060722-()	10-37266-022	10-37265-22	10-584191-223	.812	1.3750-18 UNEF	.719	2.654	.719	1.588
10-474624-()	3106F- 24 -()	10-074824-()	10-060724-()	10-37266-024	10-37265-24	10-584192-243	.812	1.5000-18 UNEF	.719	2.885	.719	1.715
10-474628-()	3106F- 28 -()	10-074828-()	10-060728-()	10-37266-028	10-37265-28	10-584193-283	.812	1.7500-18 UNS	.719	2.885	.719	1.968
10-474632-()	3106F- 32 -()	10-074832-()	10-060732-()	10-37266-032	10-37265-32	10-584194-323	.812	2.0000-18 UNS	.719	2.943	.719	2.209
10-474636-()	3106F- 36 -()	10-074836-()	10-060736-()	10-37266-036	10-37265-36	10-584195-363	.812	2.2500-16 UN	.719	2.943	.719	2.463
10-474640-()	3106F- 40 -()	10-074840-()	10-060740-()	10-37266-040	10-37265-40	10-584196-403	.812	2.5000-16 UN	.719	3.068	.719	2.718
10-474641/50		NOT AVAILABLE										

7

10. INCREASE "A" DIMENSION BY .312 FOR SIZE "0" CONTACT ONLY.

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

8. ALL LOCKWIRE HOLES ARE .045 DIAMETER MINIMUM.

7. TO COMPLETE ASSEMBLY NUMBER AND MS NUMBER, ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. (FOR ALTERNATE ARRANGEMENTS, REFER TO 9-2437).

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

5. DIMENSION INDICATES FINAL INSTALLATION. FOR STORAGE AND SHIPPING,PARTS MAY BE UNASSEMBLED.

4. FOR CONTACT SIZE, SPACING AND SERVICE RATING SEE MIL-STD-1651.

3. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH APPROPRIATE SIZE SEALING PLUGS.

2. DELETED

1. INDICATED THERMOCOUPLE CONTACT DATA IS APPLICABLE ONLY TO 10-474617-13P/S, 10-474618-15PS (AND THEIR ALTERNATE ARRANGEMENTS) WHICH ARE THE ONLY THERMOCOUPLE ARRANGEMENTS AVAILABLE IN THIS SERIES.

NOTES:

16. SOME INSERTS AND GROMMETS ARE TOOLED UNDER A +50 PART NUMBER. CONSULT PARTS LIST FOR VERIFICATION.

15. THE UNITS ILLUSTRATED MEET THE MATERIAL & FINISH REQUIREMENTS OF MIL-C-5015.

14. SHIP CONNECTOR WITH SEALING PLUGS UNASSEMBLED.

13. PACKAGE PER PRODUCTION PROCESS SHEET.

12. FOR MATING RECEPTACLE ASSEMBLIES, SEE DRAWING 10-474008 THROUGH 10-474050 AND OTHERS.

11. INSERTS AND CONTACTS ARE REMOVABLE.

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

SIZE	FSCM NO.	DOCUMENT NO.	REV.
C	77820	10-474608/650	D
SCALE:NONE		REF: 10-329860/879	SHEET 2 OF 2

D

C

2 OF 2

10-474608/650

DOC NO

A

TAB.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[MS3106F10SL-3P](#) [MS3106F10SL-3S](#) [MS3106F10SL-4S](#) [MS3106F14S-2P](#) [MS3106F14S-2S](#) [MS3106F14S-5P](#)
[MS3106F14S-5S](#) [MS3106F14S-6P](#) [MS3106F14S-6S](#) [MS3106F14S-7P](#) [MS3106F14S-7S](#) [MS3106F16-10P](#)
[MS3106F16-10S](#) [MS3106F16-11P](#) [MS3106F16S-1P](#) [MS3106F16S-1S](#) [MS3106F16S-8P](#) [MS3106F16S-8S](#)
[MS3106F18-11P](#) [MS3106F18-11S](#) [MS3106F18-1P](#) [MS3106F18-1S](#) [MS3106F18-4P](#) [MS3106F18-4S](#) [MS3106F20-](#)
[27P](#) [MS3106F20-27S](#) [MS3106F20-29P](#) [MS3106F20-29S](#) [MS3106F20-4P](#) [MS3106F20-4S](#) [MS3106F20-7P](#)
[MS3106F20-7S](#) [MS3106F22-14P](#) [MS3106F22-14S](#) [MS3106F22-22P](#) [MS3106F22-22S](#) [MS3106F22-2P](#)
[MS3106F24-11P](#) [MS3106F24-28P](#) [MS3106F24-28S](#) [MS3106F28-21P](#) [MS3106F28-21S](#) [MS3106F16-11S](#)
[MS3106F20-23P](#) [MS3106F24-11S](#) [MS3106F14S-1P](#) [MS3106F18-3P](#) [MS3106F22-19P](#) [MS3106F16-10PX](#)
[MS3106F16-10SX](#) [MS3106F10S-2S](#) [MS3106F28-12S](#) [MS3106F18-10S](#) [MS3106F20-23S](#) [MS3106F22-19S](#)
[MS3106F14S-9S](#) [MS3106F14S-5SX](#) [MS3106F22-12S](#) [MS3106F16-11PY](#) [MS3106F22-8S](#) [MS3106F28-20S](#)
[MS3106F28-11S](#) [MS3106F36-10S](#) [MS3106F22-4P](#) [MS3106F32-7P](#) [MS3106F20-4PX](#) [MS3106F18-12S](#)
[MS3106F18-12P](#) [MS3106F12S-3P](#) [MS3106F12S-3S](#) [MS3106F14S-9P](#) [MS3106F16-10PW](#) [MS3106F16-10SW](#)
[MS3106F16-12S](#) [MS3106F16S-5S](#) [MS3106F18-10P](#) [MS3106F18-3S](#) [MS3106F18-9P](#) [MS3106F18-9S](#) [MS3106F20-](#)
[15P](#) [MS3106F20-15S](#) [MS3106F20-18S](#) [MS3106F20-19P](#) [MS3106F20-19PW](#) [MS3106F20-19S](#) [MS3106F20-22S](#)
[MS3106F20-27SW](#) [MS3106F20-29SZ](#) [MS3106F20-3S](#) [MS3106F20-8P](#) [MS3106F20-8S](#) [MS3106F22-18P](#)
[MS3106F22-1S](#) [MS3106F22-23P](#) [MS3106F22-23S](#) [MS3106F22-2S](#) [MS3106F22-9S](#) [MS3106F24-10S](#) [MS3106F24-](#)
[12S](#) [MS3106F24-22P](#)