

51526-58

REVISIONS

LTR

DESCRIPTION

DATE

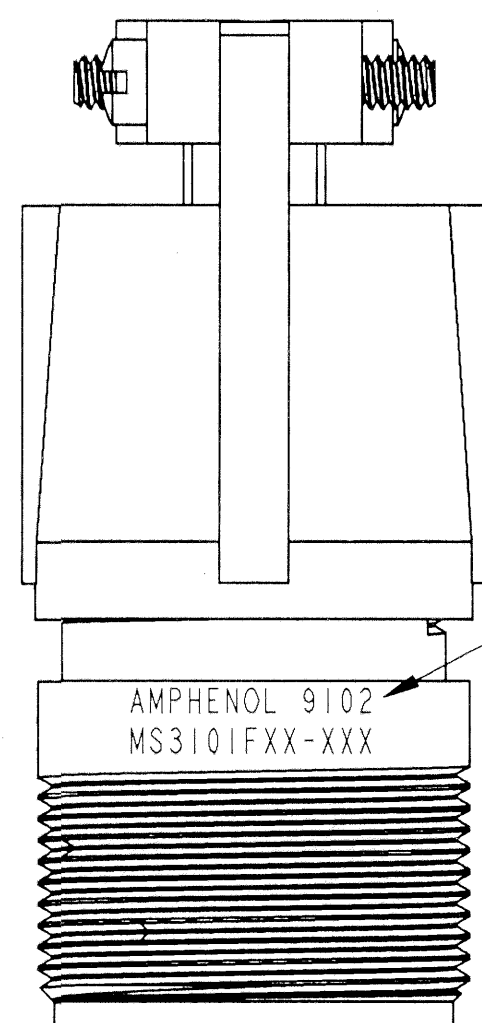
APPVD

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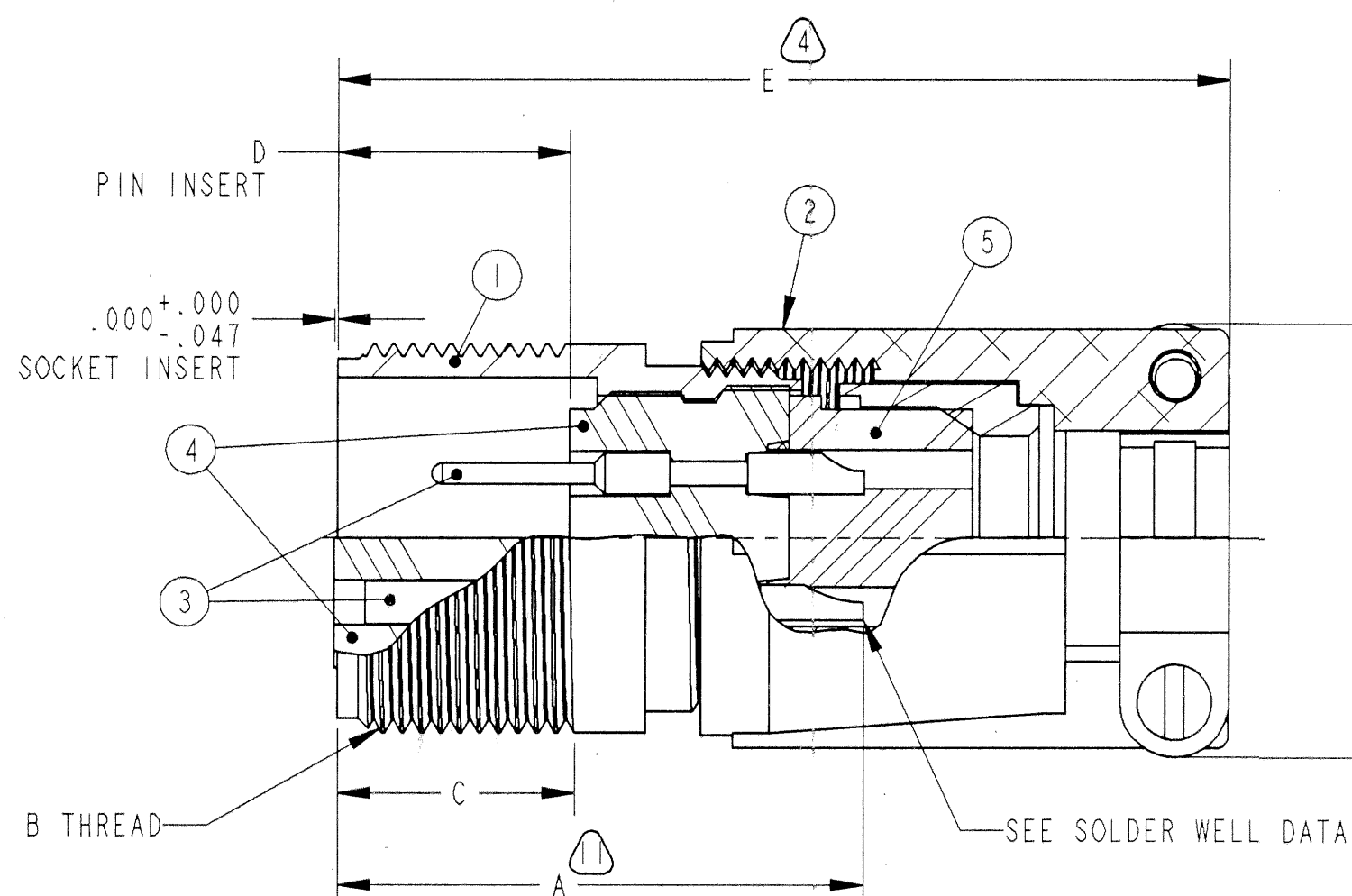
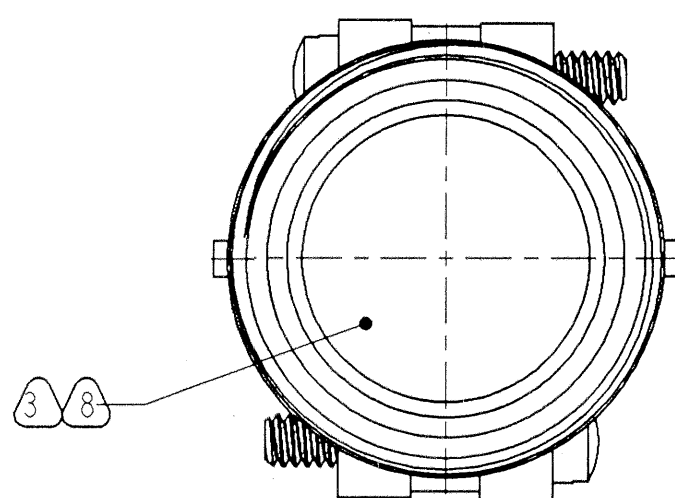
(CL 11) SEE OBSOLETE RECORD
DRAWING. REDESIGNED AND
REDRAWN SAME SIZE
SEE ECN: **84156**

1-10-98

GJO

AMPHENOL 9102
MS3101FXX-XXX

5 BLACK INK STAMP "AMPHENOL",
DATE CODE (PER 9-3895) & MS
NUMBER APPROX .062 HIGH
PER 9-2811.
EXAMPLE:
AMPHENOL 9102 MS3101F20-12P



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 -.000	.625	.625	.500	.375	.250	.188

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

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 N/A
DATE CODE: 9-3895 SEE DRAW: N N/A

STAMPING DATA

NEXT ASSEMBLY

UNLESS OTHERWISE
SPECIFIED

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

SPECIFICATIONS

MATERIAL SPEC.

N/A

PROCESS SPEC.

TEST: 9-3106-5
ASSY: 9-3103-1
9-2437,
9-2811,
9-3895

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	

POS QTY PART NUMBER DESCRIPTION NOTE

PARTS LIST

APPROVALS DATE
PREPARED WHITNEY 11-4-69
CHECKED MENDEOLA 11-18-69

MATERIAL

APPROVED R. W. TYLER 11-6-69
APPROVED W. M. HARRISON 11-19-69

PRO/ENG INFORMATION
10-474108-150.ASSEM
10-474108-150

AMPHENOL CORPORATION
SIDNEY, N.Y. 13838-1395

CONNECTOR,
ELECTRICAL RECEPTACLE,
TYPE MS3101F

SIZE

C

FSCM NO.

77820

DOCUMENT NO.

10-474108/150

REV.

C

SCALE: NONE REF: 10-329820/839

SHEET 1 OF 2

FAMCODES DATA3:ANS MNS CICS:

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 MIN FULL THREAD	D ±.031	E MAX	J MAX
10-474108-()	3101F- 8S -()	NOT AVAILABLE									
10-474110-()	3101F-10S -()	NOT AVAILABLE									
10-474111-()	3101F-10SL-()	10-74811-()	10-60711-()	10-37261-11	10-584182-113	1.094	.6250-24 UNEF	.406	.484	2.192	.896
10-474112-()	3101F-12S -()	10-74812-()	10-60712-()	10-37261-12	10-584182-113	1.094	.7500-20 UNEF	.422	.484	2.192	.896
10-474113-()	3101F- 12 -()	10-74813-()	10-60713-()	10-37261-13	10-584182-113	1.532	.7500-20 UNEF	.656	.672	2.536	.896
10-474114-()	3101F-14S -()	10-74814-()	10-60714-()	10-37261-14	10-584185-143	1.094	.8750-20 UNEF	.391	.484	2.192	1.021
10-474115-()	3101F- 14 -()	10-74815-()	10-60715-()	10-37261-15	10-584185-143	1.532	.8750-20 UNEF	.625	.672	2.536	1.021
10-474116-()	3101F-16S -()	10-74816-()	10-60716-()	10-37261-16	10-584187-163	1.094	1.0000-20 UNEF	.391	.484	2.192	1.151
10-474117-()	3101F- 16 -()	10-74817-()	10-60717-()	10-37261-17	10-584188-173	1.532	1.0000-20 UNEF	.625	.672	2.536	1.151
10-474118-()	3101F- 18 -()	10-74818-()	10-60718-()	10-37261-18	10-584189-183	1.532	1.1250-18 UNEF	.625	.672	2.661	1.242
10-474120-()	3101F- 20 -()	10-74820-()	10-60720-()	10-37261-20	10-584190-203	1.532	1.2500-18 UNEF	.625	.672	2.661	1.499
10-474122-()	3101F- 22 -()	10-74822-()	10-60722-()	10-37261-22	10-584191-223	1.532	1.3750-18 UNEF	.625	.672	2.661	1.499
10-474124-()	3101F- 24 -()	10-74824-()	10-60724-()	10-37261-24	10-584192-243	1.532	1.5000-18 UNEF	.625	.672	2.739	1.781
10-474128-()	3101F- 28 -()	10-74828-()	10-60728-()	10-37261-28	10-584193-283	1.532	1.7500-18 UNS	.625	.672	2.739	1.781
10-474132-()	3101F- 32 -()	10-74832-()	10-60732-()	10-37261-32	10-584194-323	1.532	2.0000-18 UNS	.625	.672	3.128	2.087
10-474136-()	3101F- 36 -()	10-74836-()	10-60736-()	10-37261-36	10-584195-363	1.532	2.2500-16 UN	.625	.672	3.128	2.281
10-474140-()	3101F- 40 -()	10-74840-()	10-60740-()	10-37261-40	10-584196-403	1.532	2.5000-16 UN	.625	.672	3.128	2.550
10-474141/50		NOT AVAILABLE									
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Authorized Distributor

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