

4

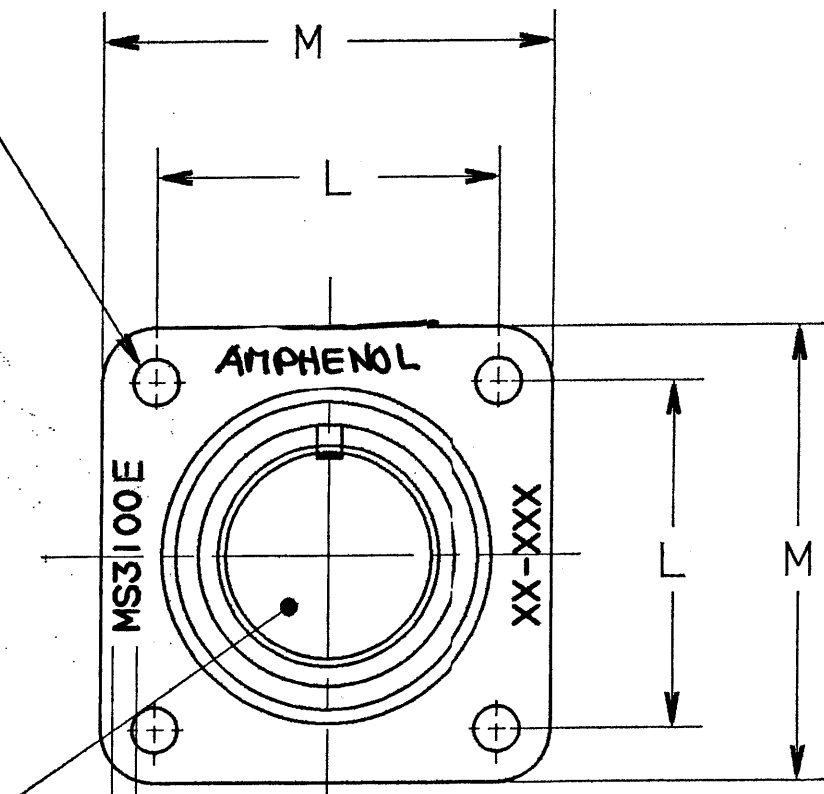
3

2

1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE RECORD DRAWING FOR REVISION A				
B	(CLII)	REM'D P/L BLOCK & ASSOCIATED BALLOONS; CHG'D BCD REFS TO AAD ECN: 84803	11-3-00 JOKED	JED

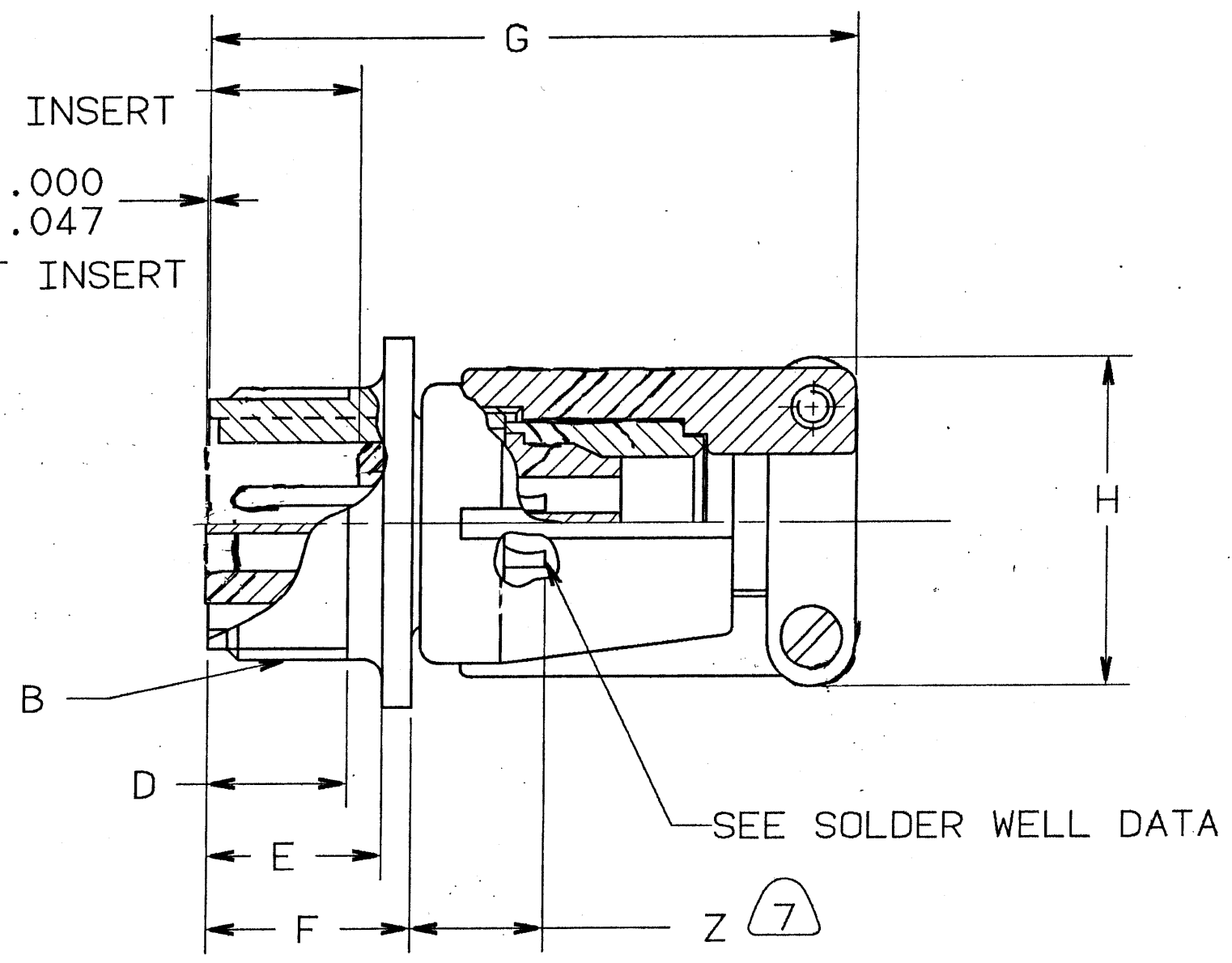
4 HOLES



.062 3 PLACES

3 BLACK INK STAMP AMPHENOL,
DATE CODE (9-3895) & MS NO.
PER 9-3856-5
EXAMPLE:
AMPHENOL 9102 MS3100E20-12P

C
PIN INSERT
.000 +.000
-.047
SOCKET INSERT



8	REMOVED ON ECN: 84803			
7				
6				
5				
4				
3				
2				
1				

UNLESS OTHERWISE SPECIFIED LINEAR DIMENSIONS ARE IN INCHES. TOLERANCES: .XXX±.010, .XX ±.03, .X ±.1, ANGLES ±2°. OTHER STANDARDS PER 9-3800 AND DOD-D-1000. NOTE REF. = 	FIND NO.	QTY REQD.	FSCM NO.	PART NUMBER		DESCRIPTION		NOTE REF.
	PARTS LIST							
	SPECIFICATIONS	SIGNATURES		DATES		AMPHENOL CORPORATION AEROSPACE OPERATIONS SIDNEY, NEW YORK		
	MATERIAL SPEC. N/A	PREPARED MCELLIGOTT CHECKED  MATERIAL		12/17/90 1-16-91		CONNECTOR, ELECTRICAL RECEPTACLE, TYPE MS3100E		
	PROCESS SPEC. SEE NOTE 10	APPROVED  APPROVED  1ST PART NO.		1-16-91 1-22-91		U		
	SIZE		FSCM NO.		10-169058/090		REV.	
	C		77820				B	
SCALE		2/1		WT.	REF	10-169008/040	SHEET 1 OF 2	

SEE SHEET 2

NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
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COMPUTER GENERATED DRAWING.

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01210

TAB.

10-169058/090

ASSEMBLY
NUMBER

MS NO.

10-169058-() NOT AVAILABLE
10-169060-() NOT AVAILABLE
10-169061-() 3100E10SL-()
10-169062-() 3100E12S-()
10-169063-() 3100E12-()
10-169064-() 3100E14S-()
10-169065-() 3100E14-()
10-169066-() 3100E16S-()
10-169067-() 3100E16-()
10-169068-() 3100E18-()
10-169070-() 3100E20-()
10-169072-() 3100E22-()
10-169074-() 3100E24-()
10-169078-() 3100E28-()
10-169082-() 3100E32-()
10-169086-() 3100E36-()
10-169090-() 3100E40-()

ASSEMBLY
NUMBER

M

N
DIA
+.004
-.002Z
MAX

10-169058-() NOT AVAILABLE
10-169060-() NOT AVAILABLE
10-169061-() 1.000 .120 .472
10-169062-() 1.094 .472
10-169063-() 1.094 .722
10-169064-() 1.188 .472
10-169065-() 1.188 .722
10-169066-() 1.281 .472
10-169067-() 1.281 .722
10-169068-() 1.375 .691
10-169070-() 1.500 .691
10-169072-() 1.625 .691
10-169074-() 1.750 .147 .628
10-169078-() 2.000 .147 .628
10-169082-() 2.250 .173 .550
10-169086-() 2.500 .173 .550
10-169090-() 2.750 .173 .550

B
THREAD
CLASS 2A (PLATED)C
±.031D
MIN
FULL THDE
+.010
-.000F
+.020
-.010G
MAXH
MAXL
±.005

.6250-24 UNEF .484 .391 .562 .672 2.129 .896 .719
.7500-20 UNEF .484 .450 .562 .672 2.129 .896 .812
.7500-20 UNEF .672 .625 .750 .860 2.129 .896 .812
.8750-20 UNEF .484 .450 .562 .672 2.201 1.021 .906
.8750-20 UNEF .672 .625 .750 .860 2.524 1.021 .906
1.0000-20 UNEF .484 .450 .562 .672 2.201 1.151 .969
1.0000-20 UNEF .672 .625 .750 .860 2.524 1.151 .969
1.1250-18 UNEF
1.2500-18 UNEF .891 2.596 1.242 1.063
1.3750-18 UNEF .891 2.654 1.499 1.156
1.5000-18 UNEF .891 2.654 1.499 1.250
1.7500-18 UNS .812 .953 2.885 1.781 1.375
2.0000-18 UNS .812 .953 2.885 1.781 1.562
2.0000-18 UNS .875 1.031 2.943 2.087 1.750
2.2500-16 UN 2.943 2.281 1.938
2.5000-16 UN 3.068 2.581 2.188

STANADARD SOLDER WELL DATA						THERMOCOUPLE	
CONTACT SIZE	0	4	8	12	16	12	16
WELL DIA	.469 +.005 -.003	.332 +.005 -.003	.208 +.004 -.002	.116 +.004 -.002	.078 +.004 -.002	.125 +.004 -.002	.094 +.004 -.002
WELL DEPTH	+.031 -.000	.625	.625	.500	.375	.250	.188

THERMOCOUPLE	
MATERIAL	IDENTIFICATION
CHROMEL	WHITE
ALUMEL	GREEN
IRON	BLACK
CONSTANTAN	YELLOW

6. UNITS MEET THE REQUIREMENTS
OF MIL-C-5015.

5. TO COMPLETE, ADD APPLICABLE INSERT ARRANGEMENT
SUFFIX PER 9-2437.

4. FOR MATING CONNECTOR ASSEMBLY, SEE DRAWING
10-169658/690 & OTHERS.

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

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

1. FOR CONTACT SIZE, SPACING & SERVICE RATING
SEE MIL-STD-1651.

11. ALL UNUSED GROMMET HOLES MUST BE
FILLED WITH SEALING PLUGS.

10. PROCESS SPEC:
ASSY 9-3238-1
TEST 9-3106-2
9-2437, 9-3856-5, 9-3895

9. INSERTS AND CONTACTS ARE REMOVABLE.

8. PACKAGE PER PRODUCTION PROCESS SHEET.

7. FOR SIZE "0" CONTACT ONLY, INCREASE Z
DIMENSION BY .312.

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COMPUTER GENERATED DRAWING

SIZE	FSCN NO.	REV.
C	77820	B
SCALE	WT.	REF.
		SHEET
		2

TAB.