

4

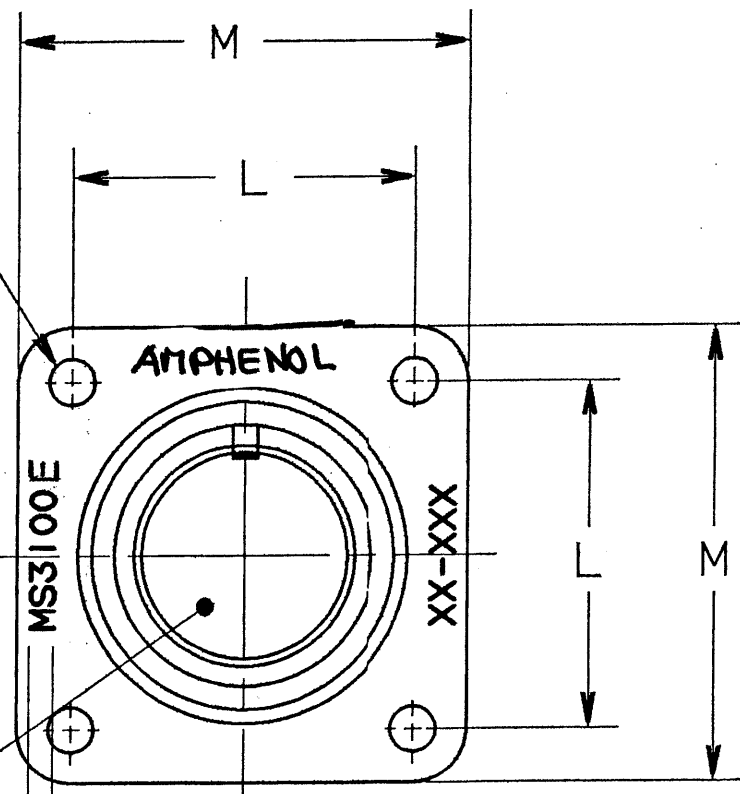
3

2

1

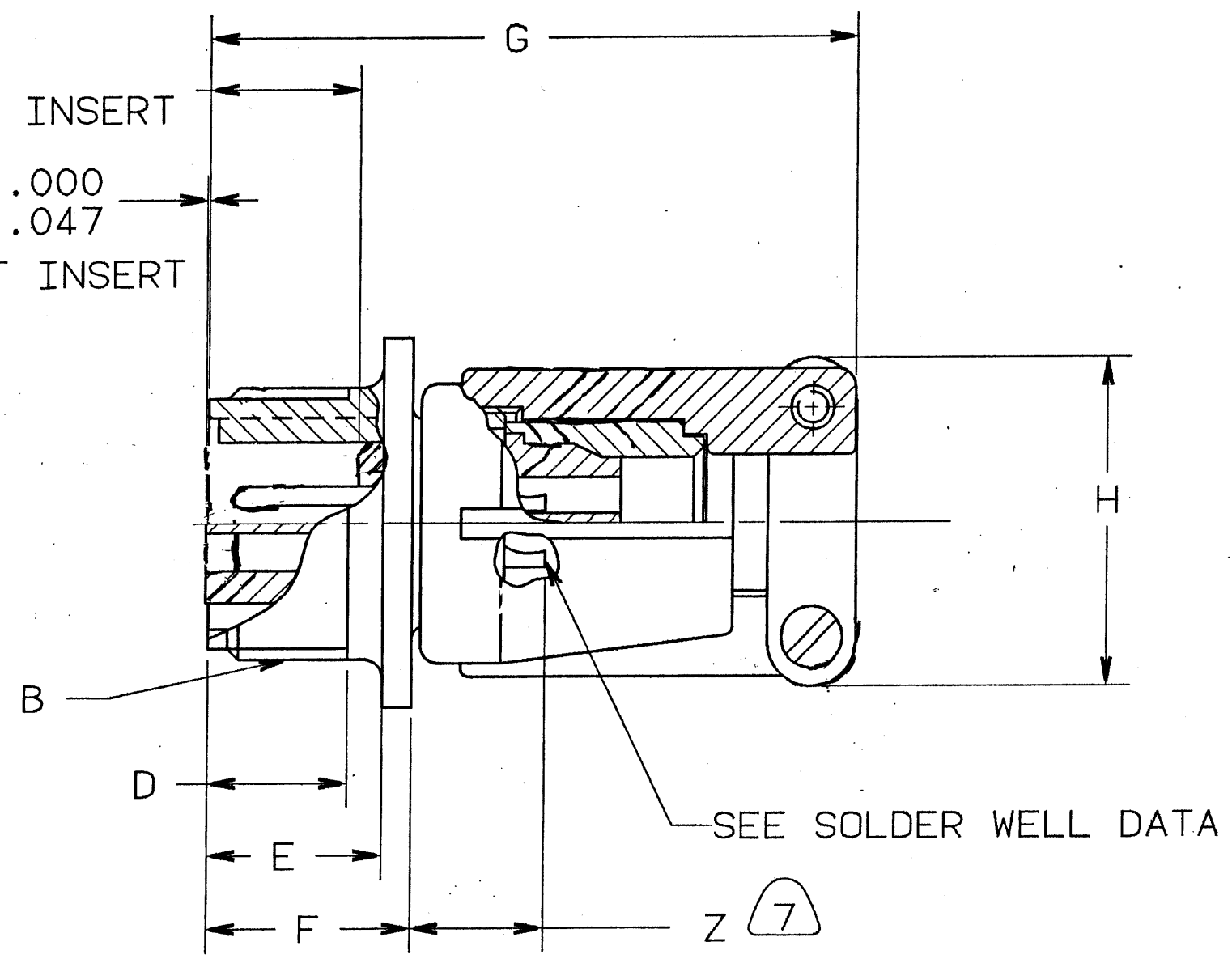
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE RECORD DRAWING FOR REVISION A				
B	(CLII)	REM'D P/L BLOCK & ASSOCIATED BALLOONS; CHG'D BCD REFS TO AAD ECN: 84803	11-3-00 JOKED	JED

N
4 HOLES



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				

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 R. Pan MATERIAL	12/17/90 1-16-91	CONNECTOR, ELECTRICAL RECEPTACLE, TYPE MS3100E		
PROCESS SPEC. SEE NOTE 10	APPROVED R. Pan 1-22-91	1-22-91	SIZE C 77820	FSCM NO. 10-169058/090	REV. B
OTHER STANDARDS PER 9-3800 AND DOD-D-1000.		10-169058-***	SCALE 2/1	WT.	REF 10-169008/040 SHEET 1 OF 2

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. = XX

SEE SHEET 2

NOTES:

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

N/A
N/A
NEXT ASSEMBLY

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
±.031

D
MIN
FULL THD

E
+.010
-.000

F
+.020
-.010

G
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				.891	2.596	1.242	1.063
1.2500-18 UNEF				.891	2.654	1.499	1.156
1.3750-18 UNEF				.891	2.654	1.499	1.250
1.5000-18 UNEF			.812	.953	2.885	1.781	1.375
1.7500-18 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

CONTACT SIZE						THERMOCOUPLE	
	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	.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.

NOTES:

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COMPUTER GENERATED DRAWING

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

TAB.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Circular MIL Spec Connector](#) ***category:***

Click to view products by [Amphenol](#) ***manufacturer:***

Other Similar products are found below :

[89075GULPR](#) [0025-262-542](#) [0025-264-3014](#) [58-570121-04S](#) [0134-213-1208](#) [0134-213-2209](#) [0025-258-000](#) [60-042022-07P](#) [60-042022-19P](#)
[60-042022-23P](#) [60-042217-10P](#) [0114-201-1278](#) [012-0467-000](#) [602GB06EG24-61SN](#) [0134-201-1207](#) [0134-213-1006](#) [6104-207-2302](#) [6104-](#)
[208-1902](#) [61-168211-04P](#) [61-168617-10P](#) [6131-202-19149P](#) [6131-204-21149P](#) [6131-208-13149P](#) [6131-209-17149P](#) [6131-210-11149P](#) [6131-](#)
[211-19149P](#) [6131-216-19149P](#) [6131-259-21149P](#) [6131-259-23149P](#) [6131-265-17149P](#) [6131-265-19149P](#) [CS3100A18-1P-472](#) [CS3100A-36-](#)
[77P](#) [CS3101A-16-55P](#) [CS3102A-10SL-55P](#) [CS3102A-14S-58P](#) [CS3102A-32-17P](#) [CS3102A32-25S](#) [CS3102C18-4P-472](#)
[CS3106A10SL3S004](#) [CS3106A-18-73S](#) [CS3108A-14S-52S](#) [CS3108A-28-51S](#) [6162-233-1277](#) [6162-324-1231](#) [M243082296Z](#)
[M2884010AC1S1](#) [CT0-24-10SC](#) [CT0M20-7PCAU](#) [M28840/17AC1G3](#)