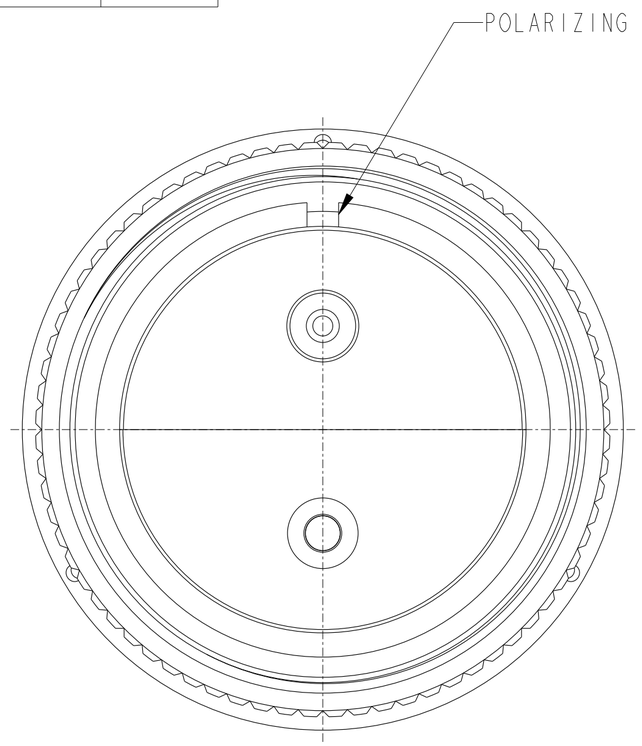
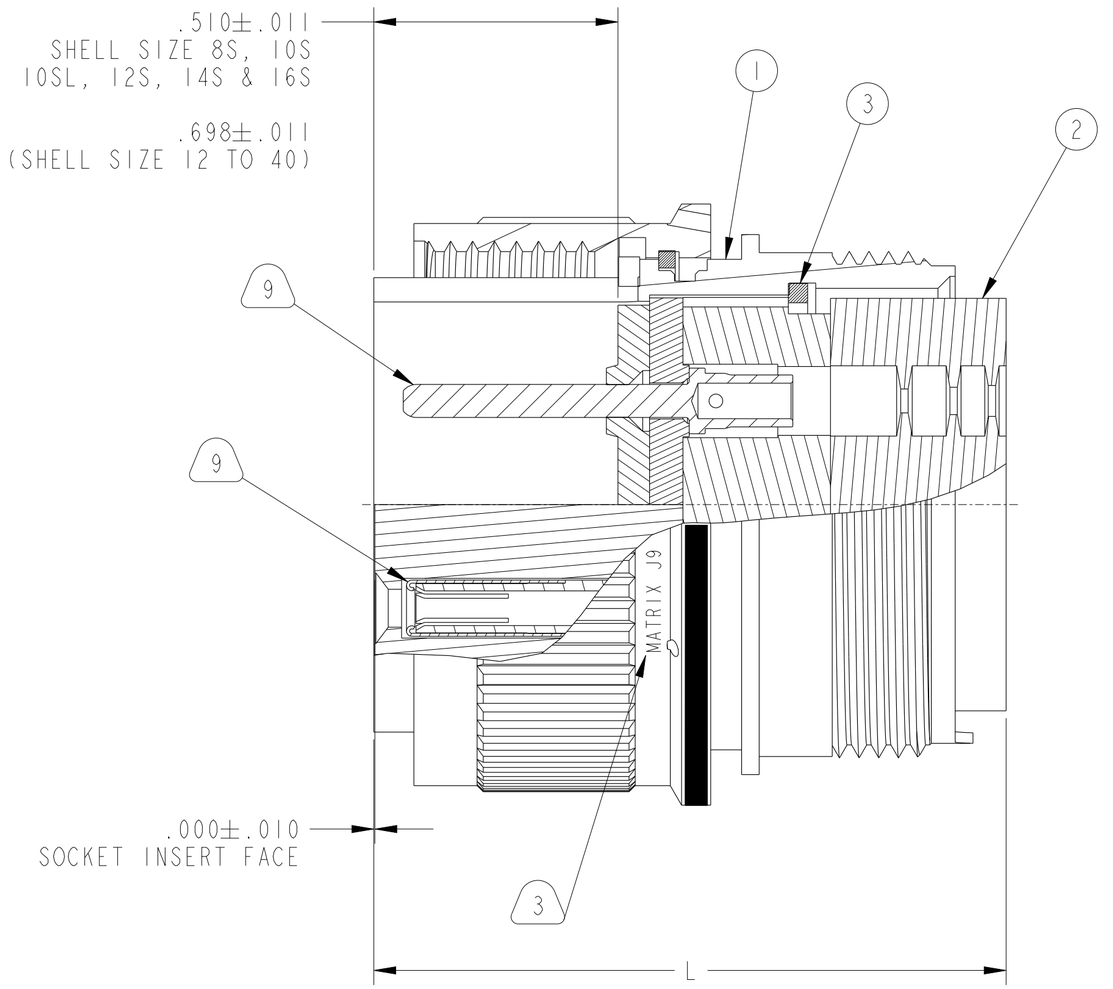
SHELL SIZE	L	
	PIN	SOCKET
	±.040	±.0135
8S, 10S, 10SL 12S, 14S, & 16S	1.472	1.4605
12, 14, & 16	1.743	1.7535
18 THRU 40	1.813	1.8035
18 THRU 40 WITH SIZE 0 CAVITY	1.952	1.9439





REVISIONS		
LTR	DESCRIPTION	DATE
	SEE RECORD DRAWING FOR REVS A-AB	
AC	(CL 11) SEE ECN C4545 REDRAW DONE AS SPICER UNAVAILABLE	1/23/23

POS	QTY	PART NUMBER	DESCRIPTION	NOTE
3	1	8300-039-0*** 9800-009-00**	RETAINING RING (ALL 8S, 10SL ALUM) RETAINING RING	
2	1	3700-010-**** 3700-023-**** 3600-009-**** 3600-010-****	SOCKET INSERT ASSY (FIREWALL) SOCKET INSERT ASSY PIN INSERT ASSY (FIREWALL) PIN INSERT ASSY	
1	1	1000-056-0***	SHELL KIT	

PARTS LIST

APPROVALS	DATE
PREPARED BY M. BLACHOWICZ	23-Jan-23
ENGINEER IN CHARGE M. BLACHOWICZ	
DESIGN MANAGER R. BARNES	
DESIGN ACTIVITY GROUP MIL/AERO	

THIRD ANGLE PROJECTION

AMPHENOL CORPORATION
40-60 DELAWARE AVENUE
SIDNEY, N.Y. 13838

ASSEMBLY,
PLUG CONNECTOR
REF: MILITARY MS3456

SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	9446**-*P/S*	AC

SCALE: 3.0 | REF. NONE | SHEET 1 OF 2

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 ANGLES= ±2° .XXX = ±.010 .XX = ±.03 .X = ±.1 --- DIM.& TOL. PER ASME Y14.5M; DRM PER MIL-STD-31000; OTHER Amphenol Stds. PER 9-3800 LEGENDS: =FLAG NOTE CALL OUT REFERENCE ONLY	MATERIAL SPEC. PROCESS SPEC.

PRO/ENGINEER INFORMATION
Pro/e Model Used:
9446XX-XX.ASSEM
Drawing Name:
9446XX-XX

NEXT ASSEMBLY: NONE

NOTES: SEE SHEET 2

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DOCUMENT NO. 9446**-*P/S* | SHEET 1 OF 2 | REV. AC

FORMAT: C-U.E-1

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9446**-*P/S* SHEET 1 OF 2 AC
C
B
A
D
C
U
REVISION AC
VERSION 0
Eng PDM Information For Reference Only
REV. AC
SHEET 1 OF 2
DOCUMENT NO. 9446**-*P/S*

PART NUMBER CROSS REFERENCE	
MATRIX P/N	MILITARY P/N
9446A	---
9446B	---
9446F	MS3456L
9446FS	MS3456FS
9446R	MS3456R
9446RS	MS3456RS
9446W	MS3456W
9446KS	MS3456KS
9446KT	MS3456KT
9446DT	---
9446DZ	---

SUFFIX	MODIFICATION FROM STANDARD PART
189	WITH BACKSHELL, LESS STRAIN RELIEF (PER MIL-C-85049/31 CONFIGURATION)
190	WITH BACKSHELL, WITH STRAIN RELIEF (PER MIL-C-85049/52 CONFIGURATION)
191	WITH 90 DEGREE BACKSHELL, WITH STRAIN RELEIF (BACKSHELL P/N MA3418-16W
198	MODIFIED 12S-3 INSERT FOR 315 DEGREE CLOCKING WITH 1 ALUMEL, CHROMEL THERMOCOUPLE CONTACT IN PLACE OF STD PIN OR SOCKET CONTACTS
975	WITH EPR RUBBER
546	SIZE 0 CONTACT WITH #1 AWG CRIMP BARREL
547	SIZE 0 CONTACT WITH #2 AWG CRIMP BARREL
A43	WITH ONE EACH ALUMEL AND CHROMEL THERMOCOUPLE CONTACTS, BALANCE OF CONTACTS TO BE STANDARD POWER.
A52	INSERT ROTATION PER MIL-STD-1651 OF 315 DEGREES

EXPLANATION OF PART NUMBER

944 6 R 28 - 21 P W L 191

- 191 — SEE MOD TABLE
- L — REQUIRED WHEN CONNECTOR SUPPLIED LESS CONTACTS (USED W/ P OR S)
- W — ALTERNATE INSERT POSITION
- P — CONTACT P = PIN, S = SOCKET, A = LESS PIN CONTACTS, B = LESS SOCKET CONTACTS
- 21 — INSERT ARRANGEMENT
- 28 — SHELL SIZE
- R — CONNECTOR CLASS
- 6 — CONNECTOR CONFIGURATION - PLUG THREADED
- 944 — BASIC PART NUMBER

9. QUALITY CONFORMANCE TESTING SHALL BE PER 9-3106-22.

9. CONTACTS SHOWN ARE FOR REFERENCE ONLY. CONTACTS ARE NOT SHIPPED INSTALLED IN THE CONNECTOR.

8. UNIT PACKAGING AND IDENTIFICATION IS TO BE AS REQUIRED PER DRAWING 7000-063-0000.

7. QUANTITY OF CONTACTS, SEALING PLUGS, AND INSERTION/REMOVAL TOOLS SHALL BE AS REQUIRED PER DRAWING 7000-063-0000.

6. STAMPING LOCATION OPTIONAL.

5. COUPLING NUT CONFIGURATION CAN VARY DEPENDING UPON DEPLETION OF OLD STOCK.

4. ASSEMBLE INSERT INTO SHELL PER 9-9325.

3. IDENTIFICATION AND MARKING OF PLUG SHELL:
   A. THE FOLLOWING DATA IS TO BE PERMANENTLY INK STAMPED USING A CONTRASTING COLOR TO THE SHELL FINISH PER 9-3856-5 (LOCATION OPTIONAL).
      1. "MATRIX" AND MFG. DATE CODE.

      2. IF A MATRIX PART NUMBER (P/N) IS ON THE PURCHASE ORDER, A MATRIX P/N ONLY SHALL BE STAMPED. IF A MILITARY P/N IS ORDERED, A MILITARY P/N ONLY SHALL BE STAMPED. IF BOTH P/N'S ARE DESIRED TO BE STAMPED, (CUSTOMER P/N CAN BE STAMPED IF APPLICABLE), SEE PURCHASE ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.

2. INSERT CAVITY ARRANGEMENTS AND ALTERNATE INSERT CLOCKING POSITIONS IN SHELL ARE TO BE PER DRAWING 7000-023-XX-XX.

1. LIST OF MATERIALS SHOWN ARE FOR REFERENCE ONLY. SEE APPLICABLE BILL OF MATERIALS FOR COMPLETE COMPONENT OR ASSEMBLY PART NUMBERS.

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