

REVISIONS			
LTR	DESCRIPTION	DATE	APPVD
A	INITIAL RELEASE NUM: R2001-203		
B	(CL 11) "CTVS" TO "AL" ECN: 90364	10/18/01 SANDBURG	
C	ADDED ALTERNATE SHELL (CL 11) SEE ECN: 90730	4/23/02 SANDBURG	<i>J. Sandburg</i> 4-25-02

91-629170/179

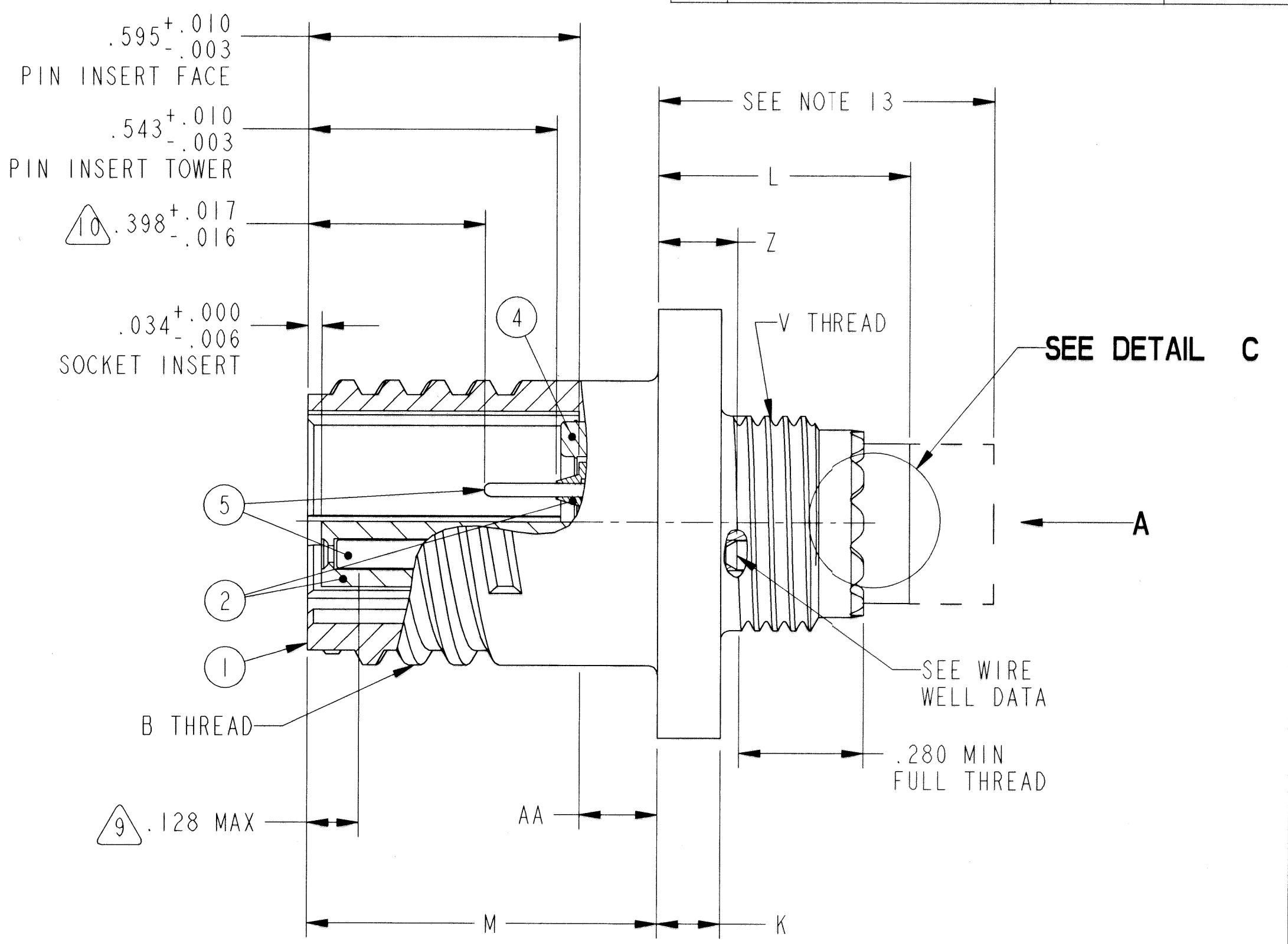
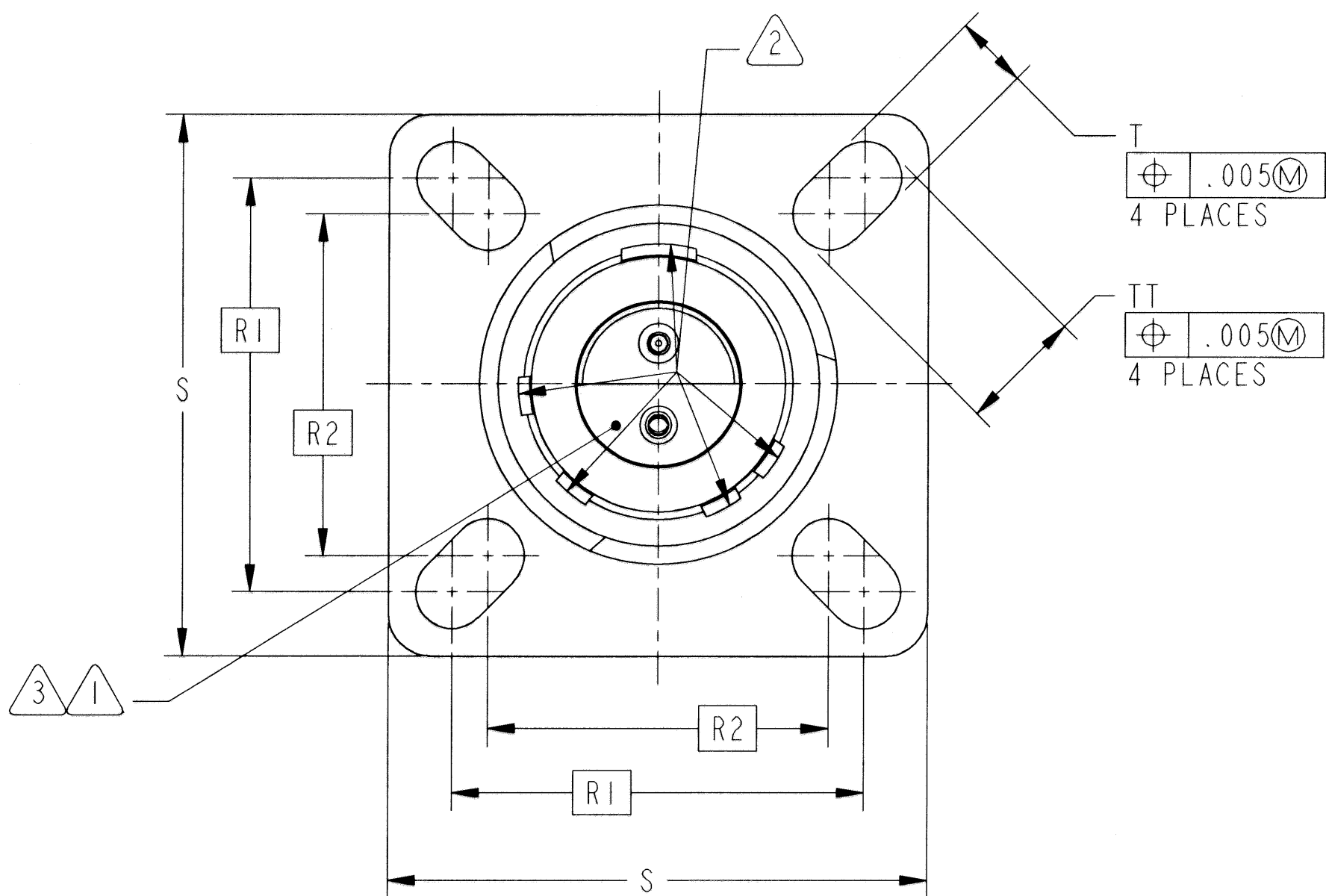
SHEET 1 OF 2

REV. C

C

B

A



POS	QTY	PART NUMBER	DESCRIPTION	NOTE
5		SEE NOTE 6	CONTACT, PIN	4,5
			CONTACT, SOCKET	4,5
4	1	10-527257-()	GASKET	5
3	SEE NOTE 6	10-452952	INSULATOR ASSY.	6
2	1	10-552440/449-()P OR 10-538170/179-()P	INSERT, PIN	3,5
2	1	10-417307/350-()S OR 10-555407/429-()S	INSERT, SOCKET	3,5
2	1	10-555407/429-()S	INSERT, SOCKET	3,5
1	1	SEE NOTE 6	SHELL	5

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		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		MATERIAL SPEC. N/A		APPROVALS PREPARED: J. SANDBURG 03-May-01 CHECKED-ENG: D. FREAR 6-15-01 APPROVED-MATERIAL LAB: H. JOHNSON 6-15-01 APPROVED-PROCESS: H. JOHNSON N/A 6-15-01 APPROVED-ENG-1M/CMG: H. JOHNSON 6-15-01 APPROVED-QUALITY: H. JOHNSON N/A 6-15-01 APPROVED-ENG MGR: D. GALLUSSER 6-15-01	
THIRD ANGLE PROJECTION		SEE NOTE 7		AMPHENOL CORPORATION AMPHENOL AEROSPACE OPERATIONS SIDNEY, N.Y. 13838	
NEXT ASSEMBLY		DRAWING NAME: 91-629170-179_REV C		CONNECTOR, ELECTRICAL RECEPTACLE .U TYPE: ALOOF() ELECTROLESS NICKEL COATED	
91-629170/179		SHEET 1 OF 2		SCALE: NONE REF: 88-527370/379	

NOTES:
 WARNING: IF THIS BOX IS CHECKED, THIS DRAWING HAS BEEN MODIFIED BY HAND-DRAFTING WITHOUT COMPUTER UPDATING

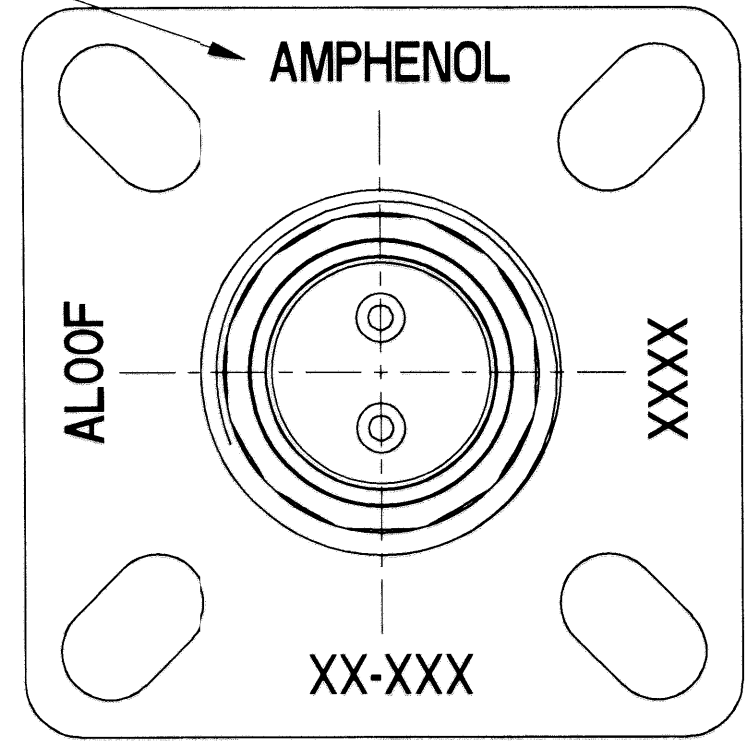
THE USE OF THIS DOCUMENT IS UNLIMITED. HOWEVER, DOCUMENTS REFERENCED HEREON MAY CONTAIN LIMITED RIGHTS DATA.	N/A	PRO/ENGINEER INFORMATION
	N/A	Pro/e Model Used: 91-629170-179.ASSEM
		Drawing Name: 91-629170-179_REV C

FORMAT: CPL,N REV: 04-MAR-1989 DCC

ASSEMBLY NUMBER	AL NUMBER	B THREAD (PLATED) PER 9-3200-2 CLASS 2A	K +.003 -.002	L MAX	M ±.0025	R1	R2	S +.006 -.005	T +.008 -.006	TT +.008 -.006	V THREAD (PLATED) PER 9-7543	Z MAX	AA MAX PANAL THICKNESS
91-629170-()	AL00F7-()	NOT AVAILABLE											
91-629171-()	AL00F9-()	.6250-0.1P-0.3L-TS	.140	.514	.7725	.719	.594	.942	.128	.216	M12 X 1-6g 0.100R	.198	.234
91-629172-()	AL00F11-()	.7500-0.1P-0.3L-TS	.140	.514	.7725	.812	.719	1.037	.128	.194	M15 X 1-6g 0.100R	.198	.234
91-629173-()	AL00F13-()	.8750-0.1P-0.3L-TS	.140	.514	.7725	.906	.812	1.131	.128	.194	M18 X 1-6g 0.100R	.198	.234
91-629174-()	AL00F15-()	1.0000-0.1P-0.3L-TS	.140	.514	.7725	.969	.906	1.226	.128	.173	M22 X 1-6g 0.100R	.198	.234
91-629175-()	AL00F17-()	1.1875-0.1P-0.3L-TS	.140	.514	.7725	1.062	.969	1.316	.128	.194	M25 X 1-6g 0.100R	.198	.234
91-629176-()	AL00F19-()	1.2500-0.1P-0.3L-TS	.140	.514	.7725	1.156	1.062	1.442	.128	.194	M28 X 1-6g 0.100R	.198	.234
91-629177-()	AL00F21-()	1.3750-0.1P-0.3L-TS	.168	.545	.7425	1.250	1.156	1.568	.128	.194	M31 X 1-6g 0.100R	.228	.204
91-629178-()	AL00F23-()	1.5000-0.1P-0.3L-TS	.168	.545	.7425	1.375	1.250	1.694	.154	.242	M34 X 1-6g 0.100R	.228	.204
91-629179-()	AL00F25-()	1.6250-0.1P-0.3L-TS	.168	.545	.7425	1.500	1.375	1.816	.154	.242	M37 X 1-6g 0.100R	.228	.204

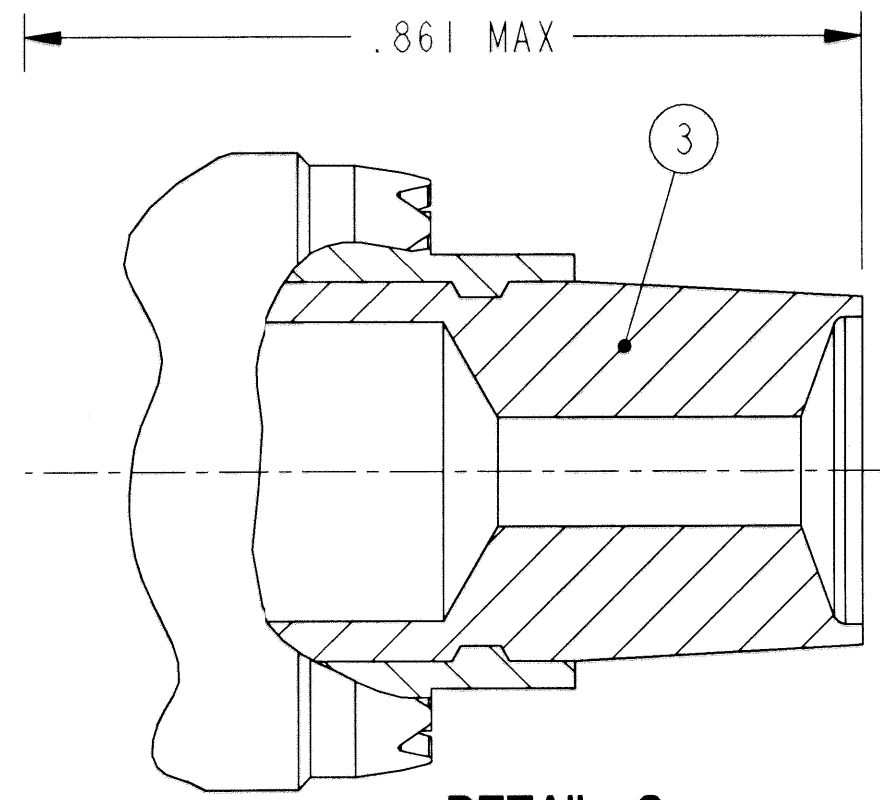
TO COMPLETE, ADD INSERT ARRANGEMENT SUFFIX PER 9-2437-25

STAMP AL, PART NO.
DATE CODE (9-3895) PER 9-5788
EXAMPLE:
AMPHENOL AL00F11-35P 0116
FOR ROTATED KEYWAYS
EXAMPLE:
AMPHENOL AL00F11-98SA 0116
SEE NOTE 11



VIEW AT A

WIRE WELL DATA						
CONTACT SIZE	22M	22D	22	20	16	12
WIRE WELL Ø	.028±.001	.0345±.0010	.0365±.0010	.047±.001	.067±.001	.100±.002
WIRE WELL DEPTH	.141 ^{+.016} _{-.000}			.209 ^{+.020} _{-.000}		



DETAIL C
ENLARGED
FOR COAX ONLY

7. PROCESS SPEC:

ASSY. 9-5047-11
TEST 9-5044
9-2437-25, 9-5788,
9-3200-2, 9-7543, 9-3895.

- 6. SEE SEPARATE PARTS LIST FOR COMPONENT PART NUMBERS AND QUANTITIES.
- 5. DRAWING ILLUSTRATES FINAL ASSEMBLY. SEE PRODUCTION PROCESS SHEET/SHIPPER FOR SPECIAL PACKING REQUIREMENTS (THERE ARE SPECIAL PACKAGING REQUIREMENTS)
- 4. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH THE APPROPRIATE SIZE SEALING PLUGS.
- 3. INSERT ASSEMBLY IS NOT REMOVABLE.
- 2. ALTERNATE ROTATIONS ARE OBTAINED BY ROTATING INDICATED KEYWAYS, SIX POSITIONS ARE AVAILABLE. SEE 9-2437-25.
- 1. FOR CONTACT ARRANGEMENT PATTERN, SEE DRAWINGS L-15206-() THUR L-15225-(). ALTERNATE POSITIONS THEREON DO NOT APPLY.

- 14. INSULATOR ASSY. TO BE SUPPLIED WHEN GROMMET DESIGN REQUIRES ONE (ALL COAX, SOME TWINAX).
EXAMPLE: 21-AB (TWINAX ARRANGEMENT)
REQUIRES TWINAX INSULATOR P/N 21-33321-005
21-75 (COAX ARRANGEMENT)
REQUIRES COAX INSULATOR P/N 10-452952
25-20 (TWINAX ARRANGEMENT) NO INSULATOR
- 13. DIMENSION INDICATES GROMMET STICKOUT FOR 25-11 INSERT ASSEMBLY, INDICATED DIMENSION IS .701 MAX.
- 12. UNITS ILLUSTRATED MEET THE APPLICABLE REQUIREMENTS OF MIL-C-38999.
- 11. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
- 10. FOR SIZE 8 COAX CONTACT DIM IS .175±.025
- 9. DISTANCE FROM END OF SHELL TO THE POINT AT WHICH A GAGE PIN HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE, ENGAGES SOCKET CONTACT SPRING.
- 8. FOR MATING CONNECTOR, SEE 91-629150/159 & OTHERS.

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SIZE C	FSCM NO. 77820	DOCUMENT NO. 91-629170/179	REV. C
SCALE: NONE		REF: 88-527370/379	SHEET 2 OF 2

91-629170/179 SHEET 2 OF 2 C

91-629170/179 SHEET 2 OF 2 C