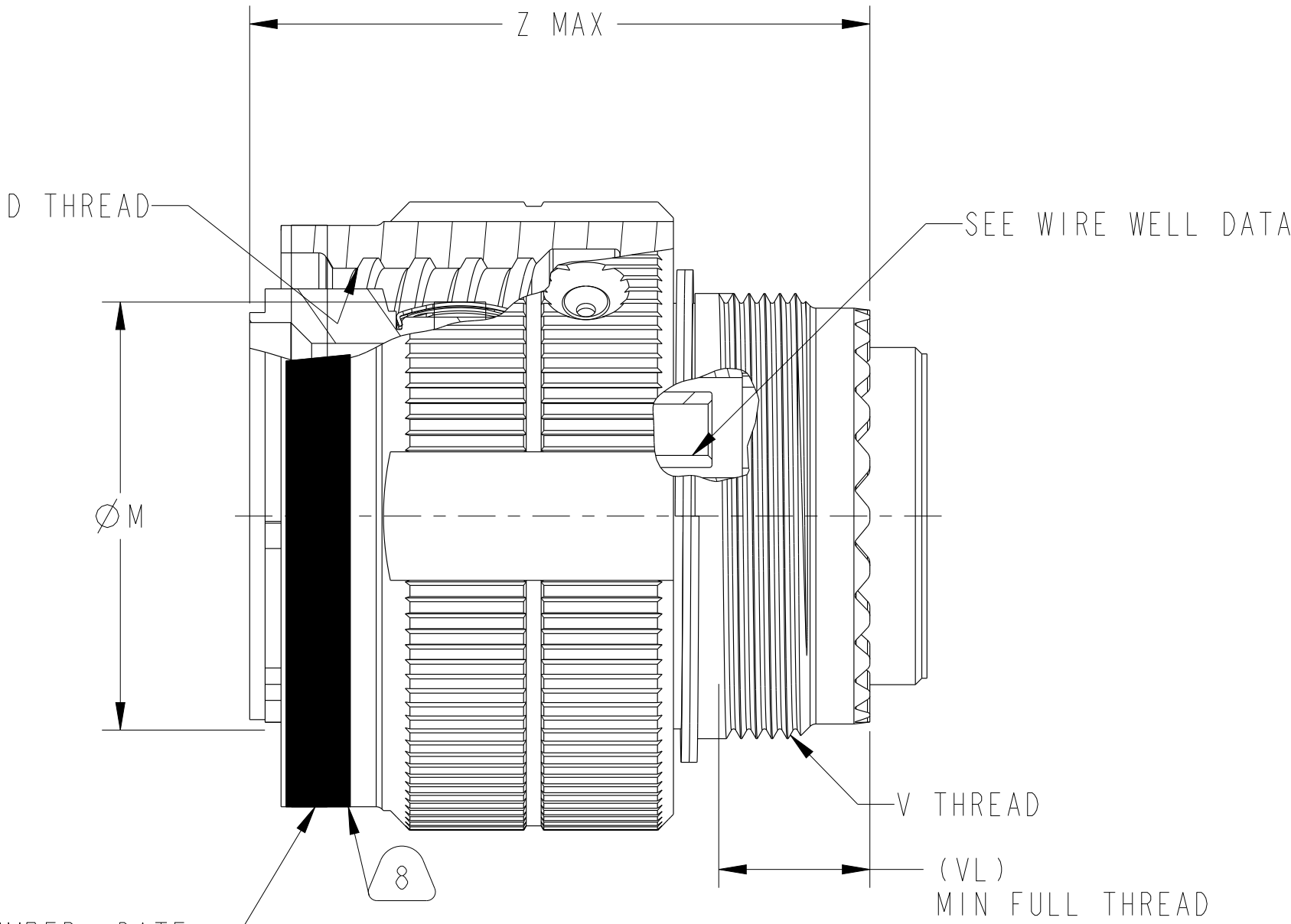
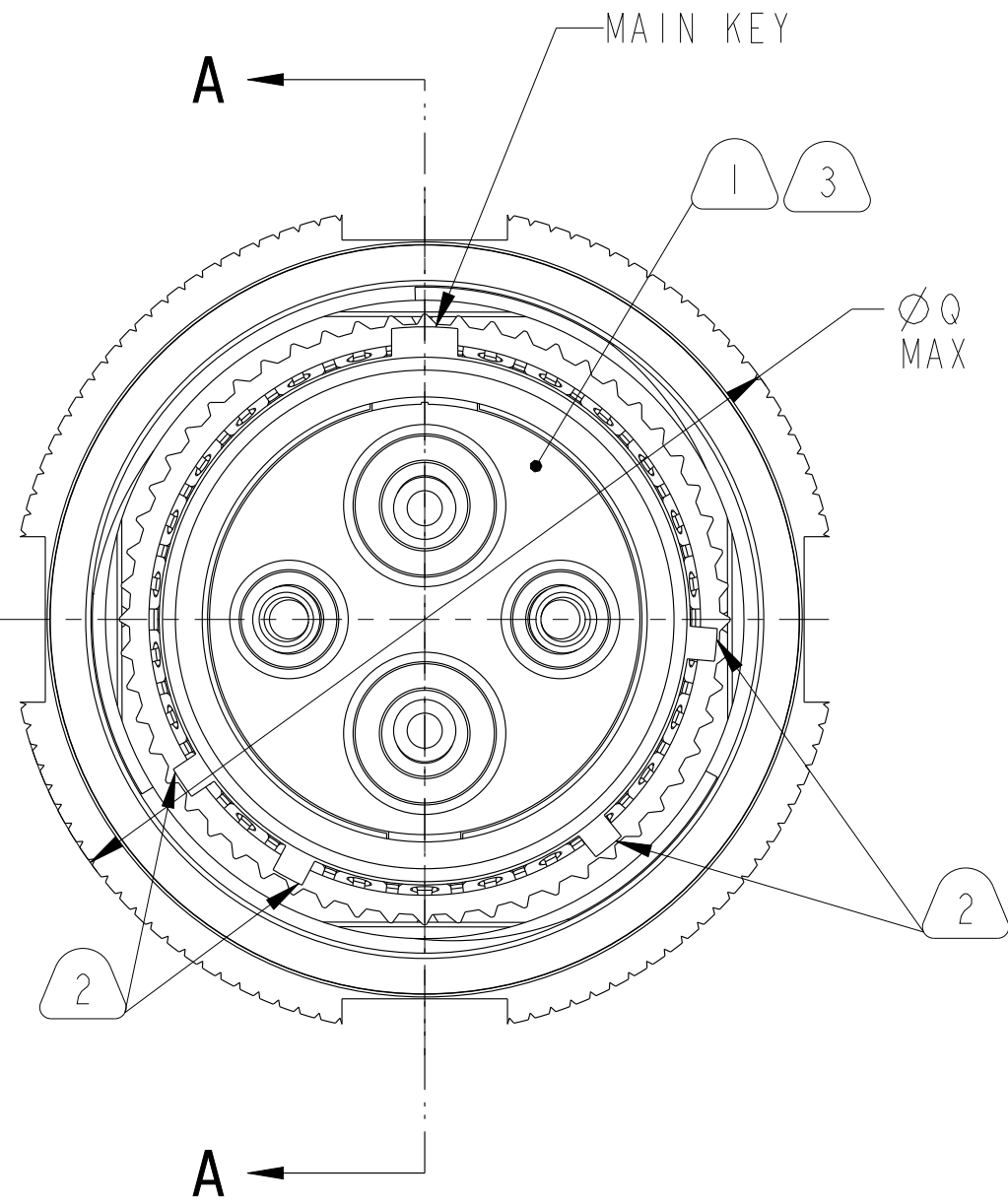


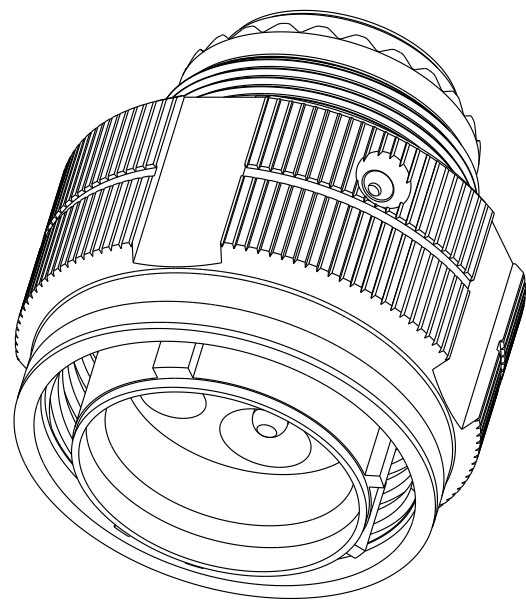
REV.	FX-778410/419	
SHEET 1 OF 5	REVISIONS M	
LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	

TYPE I



STAMP "AMPHENOL", CODED NUMBER, DATE
CODE AND LOT NUMBER (9-3895) PER
9-5788.
EXAMPLE:
AMPHENOL HV06RF15-54P 2020 20001000
FOR ROTATED KEYWAYS
EXAMPLE:
AMPHENOL HV06RF15-54PA 2020 20001000

PARTIAL SECTION A-A



ISOMETRIC VIEW
SCALE 2.0

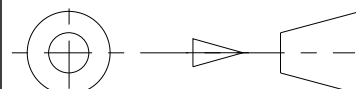
PRELIMINARY
DRAWING
REVISION: P-2

NOTES: SEE SHEET 5

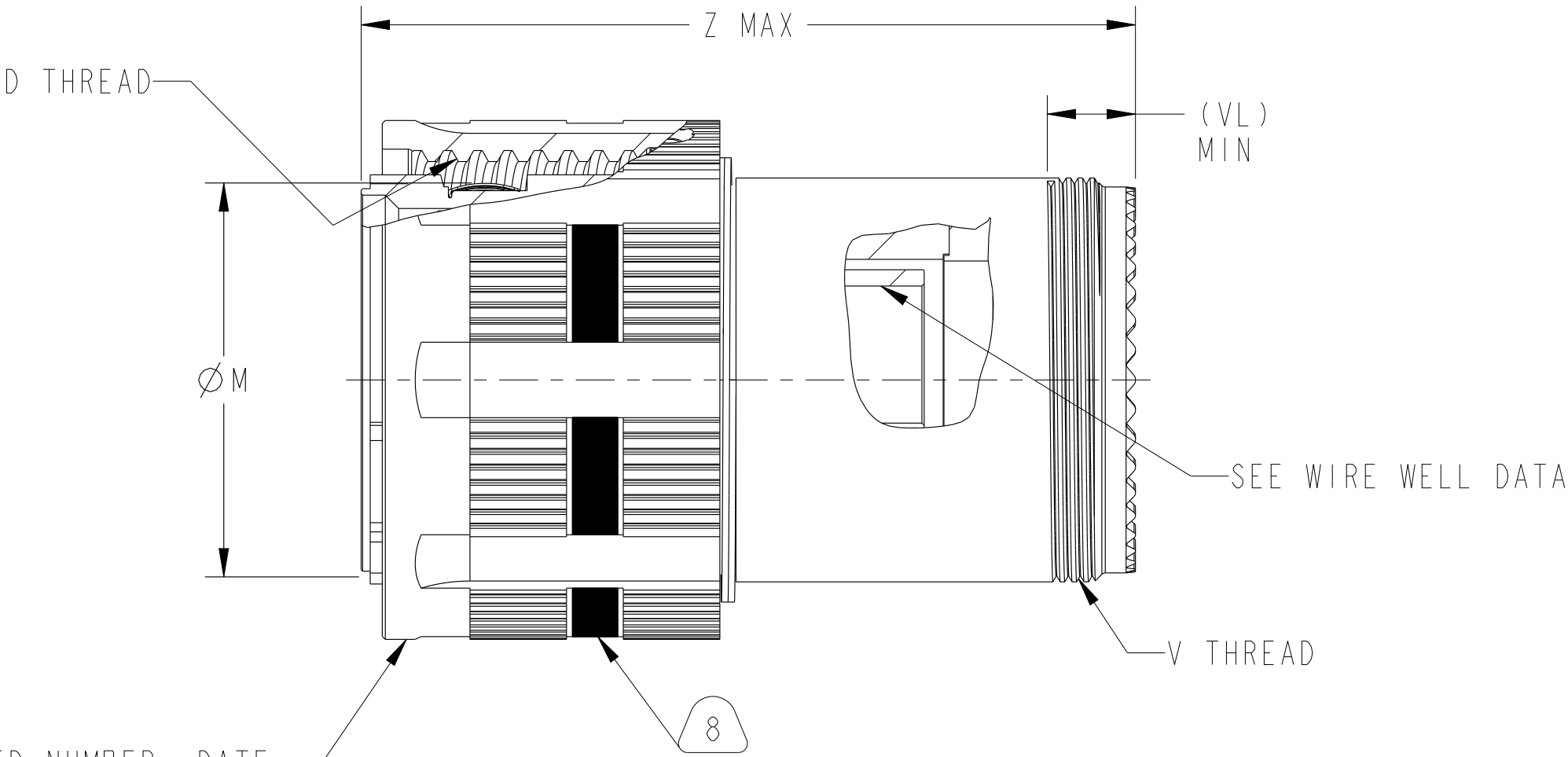
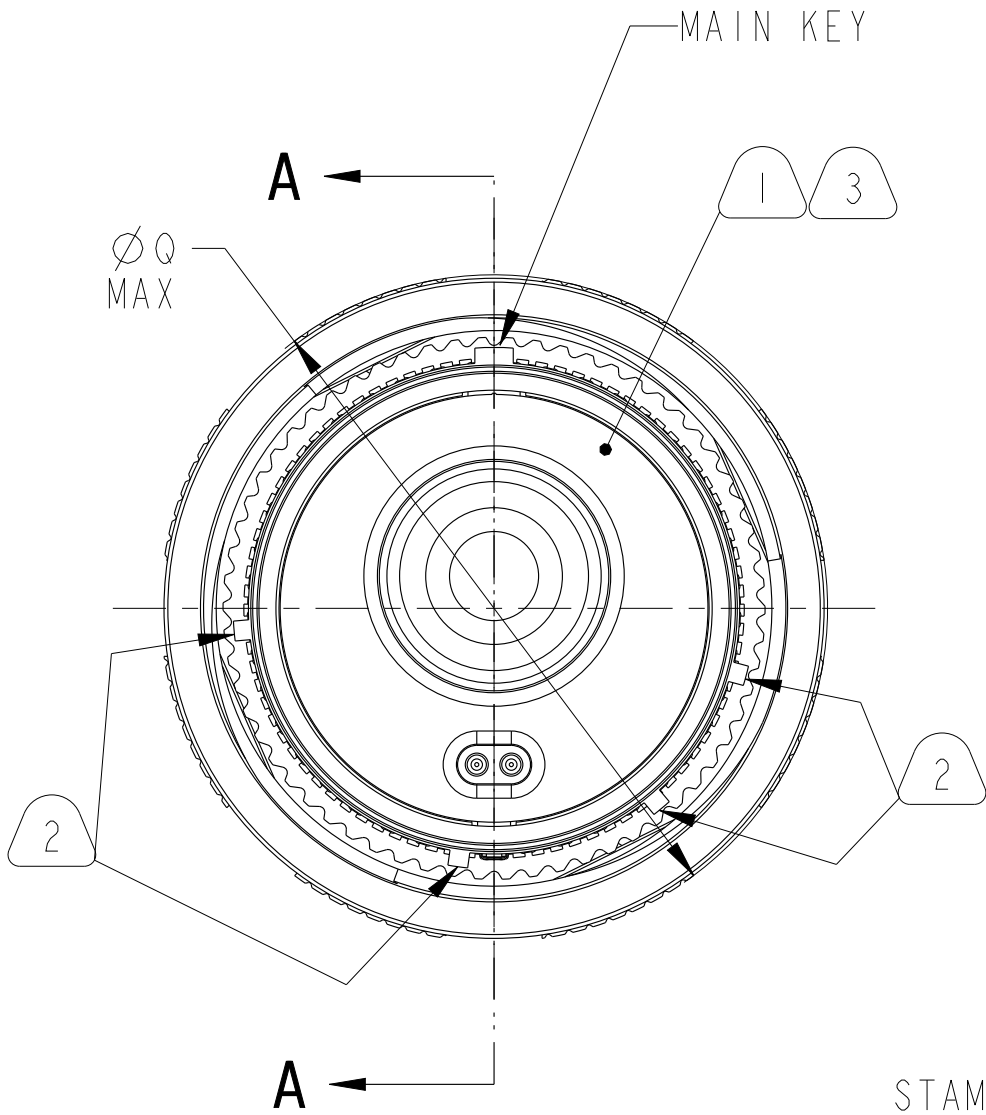
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HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

NONE
NEXT ASSEMBLY

PRO/ENGINEER INFORMATION
Pro/e Model Used:
HV06RF15-54P.ASSEM
Drawing Name:
FX-778410.419

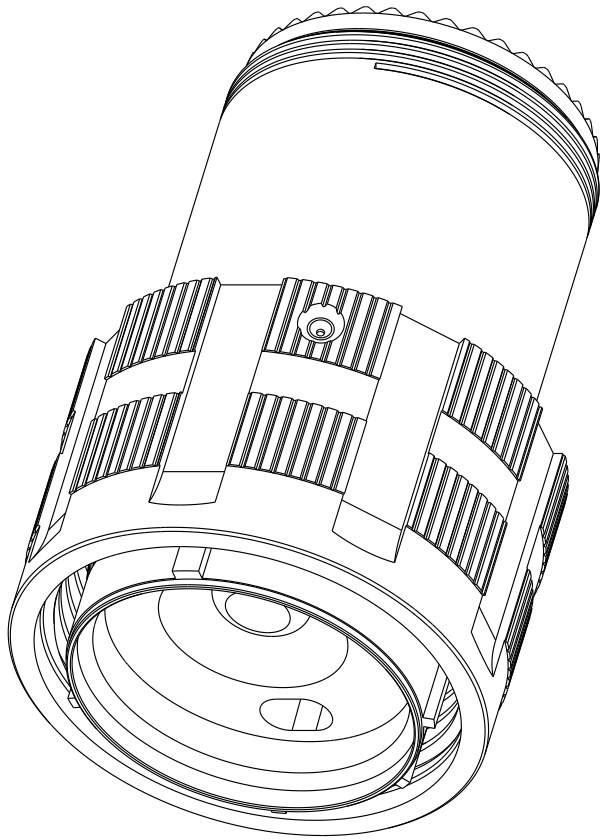
UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE	
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 ANGLES= ±2° .XXX = ±.010 .XX = ±.03 .X = ±.1 ----- DIM. & TOL. PER ASME Y14.5M; DRM PER MIL-STD-31000; OTHER Amphenol Sds. PER 9-3800 LEGENDS: -FLAG NOTE CALL OUT REFERENCE ONLY 		MATERIAL SPEC.		APPROVALS		DATE	PARTS LIST AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838 CONNECTOR, ELECTRICAL, PLUG STRAIGHT PLUG, ALUMINUM HV38999		U
		NONE		PREPARED BY J. LEVIN		23-Feb-21			
		PROCESS SPEC.		ENGINEER IN CHARGE B. BALDWIN					
				DESIGN MANAGER B. BALDWIN					
				DESIGN ACTIVITY GROUP COM-AIR					
SEE NOTE 6		THIRD ANGLE PROJECTION		SIZE C		CAGE CODE 77820	DOCUMENT NO. FX-778410/419	REV. -	
				SCALE: 3.5		REF. 91-684320/329		SHEET 1 OF 5	

TYPE II



STAMP "AMPHENOL", CODED NUMBER, DATE
CODE AND LOT NUMBER (9-3895) PER
9-5788.
EXAMPLE:
AMPHENOL HV06RF23-59P 2020 20001000
FOR ROTATED KEYWAYS
EXAMPLE:
AMPHENOL HV06RF23-59PA 2020 20001000

5 10



ISOMETRIC VIEW
SCALE 1.5

PRELIMINARY
DRAWING
REVISION: P-2

NOTES: SEE SHEET 5

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ASSEMBLY NUMBER	CUSTOMER NUMBER	SHELL SIZE	CONNECTOR TYPE 	D THREAD		ØM MIN OVER TINES	ØQ MAX	Z MAX	V THREAD	(VL) MIN
				SIZE CLASS 2B	MODIFIED MINOR DIA					
()-778410-()-()-()	HV06()-11-()-()-()	11	TYPE I	.7500-0.1P-0.3L-TS	.7142-.7078	.577	.969	1.234	M15 X 1-6g 0.100R	.280
			TYPE II	TBD						
()-778411-()-()-()	HV06()-13-()-()-()	13	TYPE I	.8750-0.1P-0.3L-TS	.8392-.8328	.694	1.141	1.234	M18 X 1-6g 0.100R	.280
			TYPE II	TBD						
()-778412-()-()-()	HV06()-15-()-()-()	15	TYPE I	1.000-0.1P-0.3L-TS	.9642-.9578	.819	1.266	1.234	M22 X 1-6g 0.100R	.280
			TYPE II	TBD						
()-778413-()-()-()	HV06()-17-()-()-()	17	TYPE I	1.1875-0.1P-0.3L-TS	1.1394-1.1344	.944	1.391	1.234	M25 X 1-6g 0.100R	.280
			TYPE II					2.579		
()-778414-()-()-()	HV06()-19-()-()-()	19	TYPE I	1.2500-0.1P-0.3L-TS	1.2020-1.1970	1.049	1.500	1.234	M28 X 1-6g 0.100R	.280
			TYPE II					2.579		
()-778415-()-()-()	HV06()-21-()-()-()	21	TYPE I	1.3750-0.1P-0.3L-TS	1.3270-1.3220	1.174	1.625	1.234	M31 X 1-6g 0.100R	.280
			TYPE II					2.579		
()-778416-()-()-()	HV06()-23-()-()-()	23	TYPE I	1.5000-0.1P-0.3L-TS	1.4520-1.4470	1.299	1.750	1.234	M34 X 1-6g 0.100R	.280
			TYPE II					2.579		
()-778417-()-()-()	HV06()-25-()-()-()	25	TYPE I	1.6250-0.1P-0.3L-TS	1.5770-1.5720	1.424	1.875	1.234	M37 X 1-6g 0.100R	.280
			TYPE II					2.579		
()-778418-()-()-()	HV06()-33-()-()-()	33	TYPE II	1.8750-0.1P-0.3L-TS	1.8270-1.8220	1.646	2.203	2.579	M45 X 1.5-6g 0.188R	.594
()-778419-()-()-()	HV06()-37-()-()-()	37	TYPE II	2.1250-0.1P-0.3L-TS	2.0770-2.0720	1.896	2.391	2.579	M50 X 1.5-6g 0.188R	.594

TO COMPLETE, ADD KEY WAY ROTATION (OMIT FOR NORMAL)

TO COMPLETE, SEE CONTACT TYPE TABLE

TO COMPLETE, ADD INSERT ARRANGEMENT

TO COMPLETE, SEE SERVICE CLASS TABLE

TO COMPLETE, SEE CONTACT TYPE TABLE

TO COMPLETE, CONTACT GENDER/SHELL ROTATION SUFFIX PER 9-2437-25

TO COMPLETE, ADD INSERT ARRANGEMENT

TO COMPLETE, SEE SERVICE CLASS TABLE

WIRE WELL DATA						
CONTACT SIZE	22D	16	12	8	4	0
WELL DIA	.0345±.0010	.067±.001	.100±.002	.181±.002	.281±.002	.453±.002
WELL DEPTH	.141 ^{+.016} _{-.000}	.209 ^{+.020} _{-.000}	.209 ^{+.020} _{-.000}	.490 ^{+.015} _{-.000}		.580 ^{+.020} _{-.000}

NOTES: SEE SHEET 5

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SERVICE CLASS TABLE		
ASSY NO. PREFIX	CODED NO. PREFIX	FINISH
88-	RW	OLIVE DRAB NICKEL BASE
91-	RF	NICKEL PLATED
F2-	DZ	BLACK ZINC NICKEL
F7-	DT	DURMALON

CONTACT TYPE TABLE		
ASSY NO. DESIGNATION	CODED NO. DESIGNATION	DEFINITION
OMIT	P	PIN
	S	SOCKET
A	H	HIGH PERFORMANCE SOCKET
B	R	RADSOK SOCKET
C	GP	GOLD PLATED PIN
	GS	GOLD PLATED SOCKET
E	GH	GOLD PLATED HIGH PERFORMANCE SOCKET
F	GR	GOLD PLATED RADSOK SOCKET
L	A	LESS PIN CONTACTS
	B	LESS SOCKET CONTACTS

SIZE C	CAGE CODE 77820	DOCUMENT NO. FX-778410/419	REV. -
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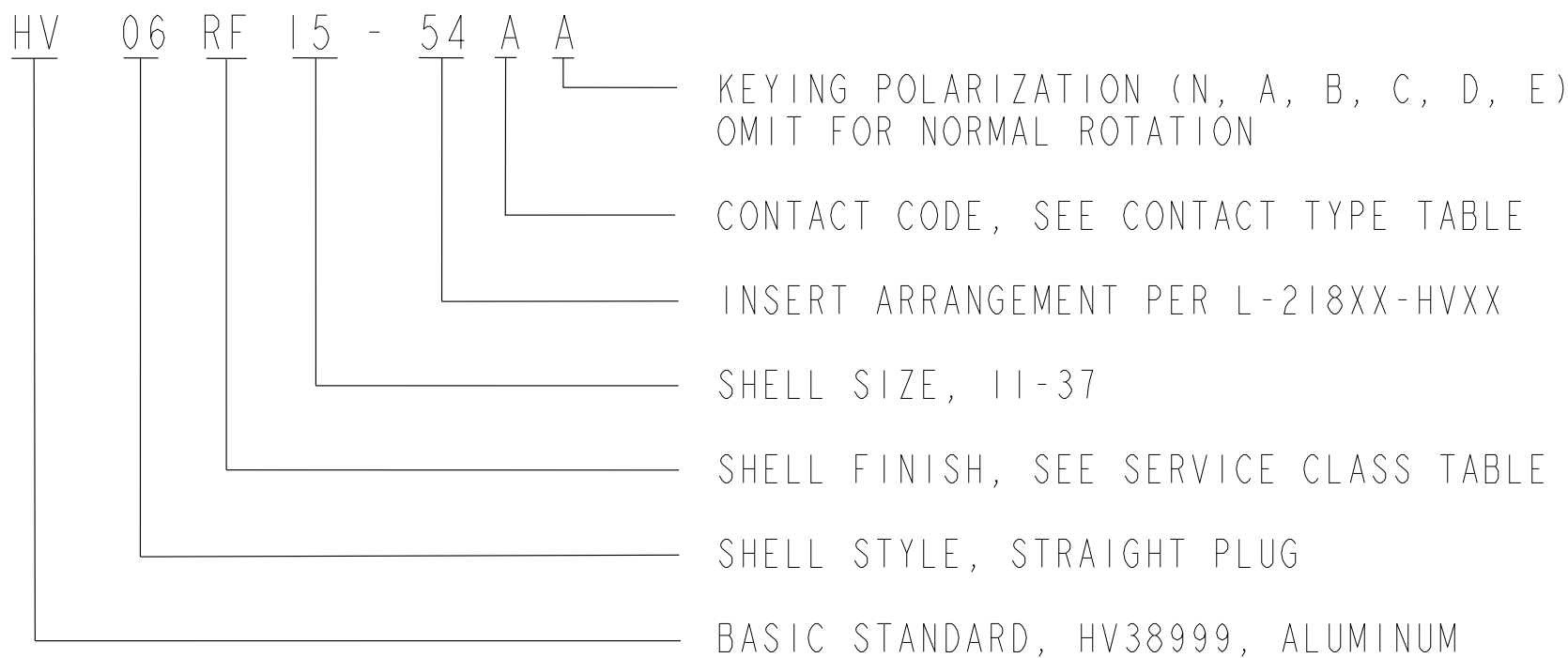
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C

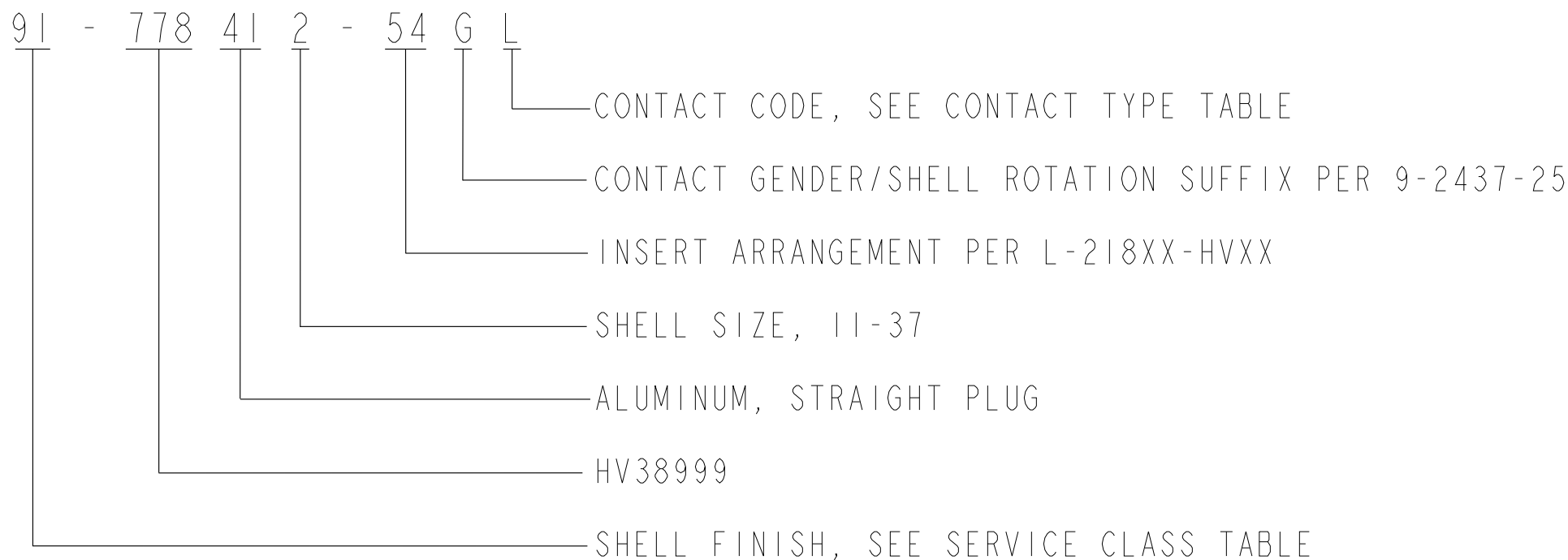
B

A

EXPLANATION OF PART NUMBER



EXPLANATION OF PART NUMBER



12. ALL POWER CONTACTS SUPPLIED TO "STANDARD" ASSEMBLIES ARE SILVER PLATED. ALL INTERLOCK CONTACTS SHALL BE GOLD PLATED. FOR CONTACTS SIZE 22D THROUGH 12 REFERENCE AS39029/56 AND AS39029/58. FOR CONTACTS SIZE 8 THROUGH 0 REFERENCE AS39029/29 AND AS39029/30.

11. CONNECTORS CONTAINING CONTACTS SIZE 8 OR LARGER SHALL BE TYPE II.

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

9. UNITS ILLUSTRATED MEET OR EXCEED THE APPLICABLE REQUIREMENTS OF MIL-DTL-38999.

8. BLUE BAND DENOTES REAR RELEASE CONTACT RETENTION SYSTEM.

7. FOR MATING CONNECTOR, SEE FX-778430/439.

6. PROCESS SPEC:
9-2437-25, 9-5788, 9-3895

5. PACKAGE PER PRODUCTION PROCESS SHEET.

4. DRAWING ILLUSTRATES FINAL ASSEMBLY. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH APPROPRIATE SIZE SEALING PLUGS. CONTACTS AND SEALING PLUGS ARE SHIPPED UNASSEMBLED.

3. INSERT ASSEMBLY IS NOT REMOVABLE.

2. ALTERNATE ROTATIONS ARE OBTAINED BY ROTATING INDICATED KEYS, SIX POSITIONS ARE AVAILABLE.

1. FOR CONTACT ARRANGEMENT PATTERN, SEE APPLICABLE DRAWINGS PER L-218XX-HVXX.

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DOCUMENT NO.
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REV

(3)

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SIZE C	CAGE CODE 77820	DOCUMENT NO. FX-778410/419	REV. -
SCALE: 3.5		REF: 91-684320/329	SHEET 5 OF 5

C

Eng PDM Information	REVISION	VERSION
		3

SHEET 5 OF 5

DOCUMENT NO.
EX-778410/419

EX-778410/419	DOCUMENT NO.	SHEET 5 OF 5	REV.
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