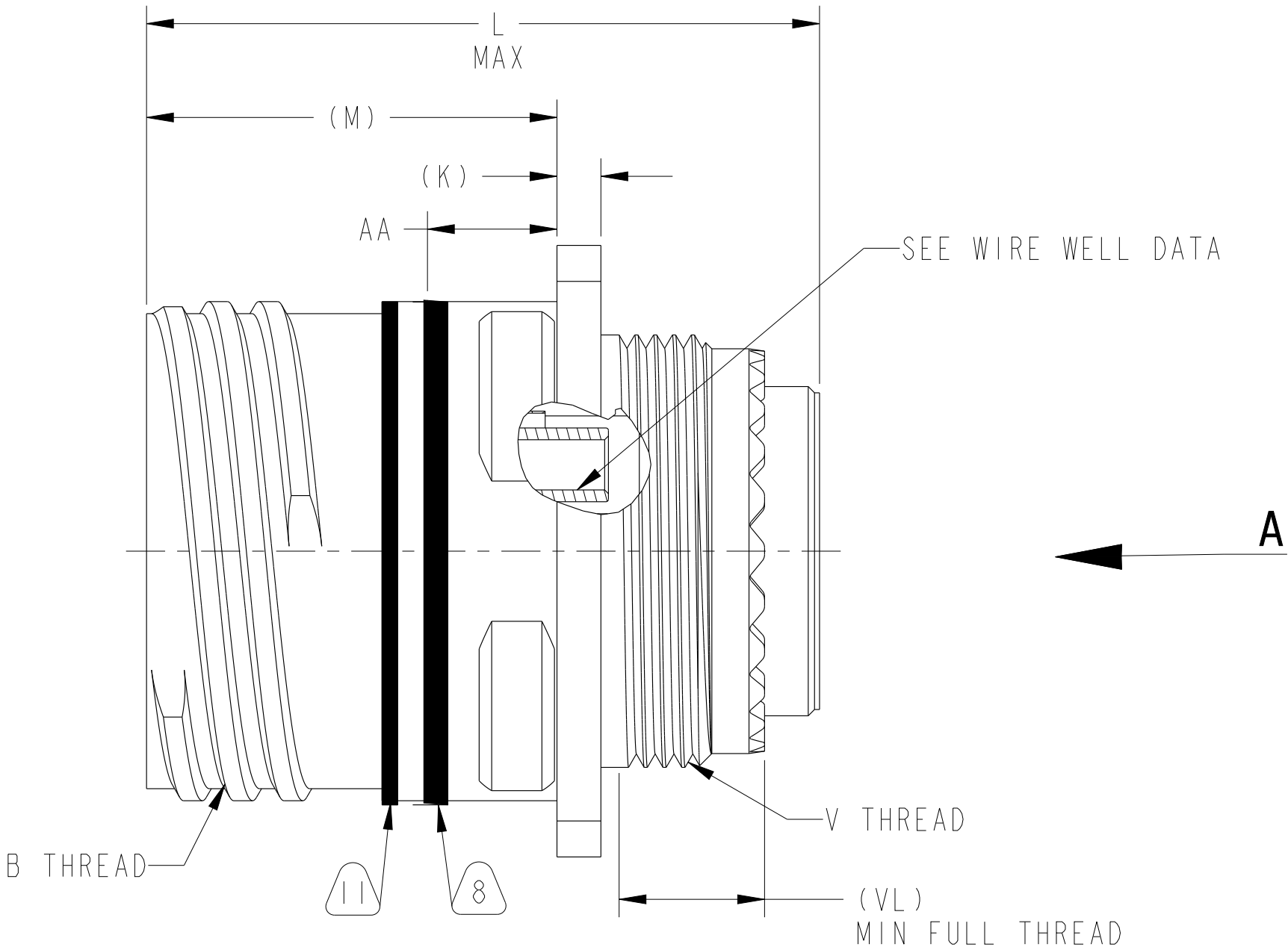
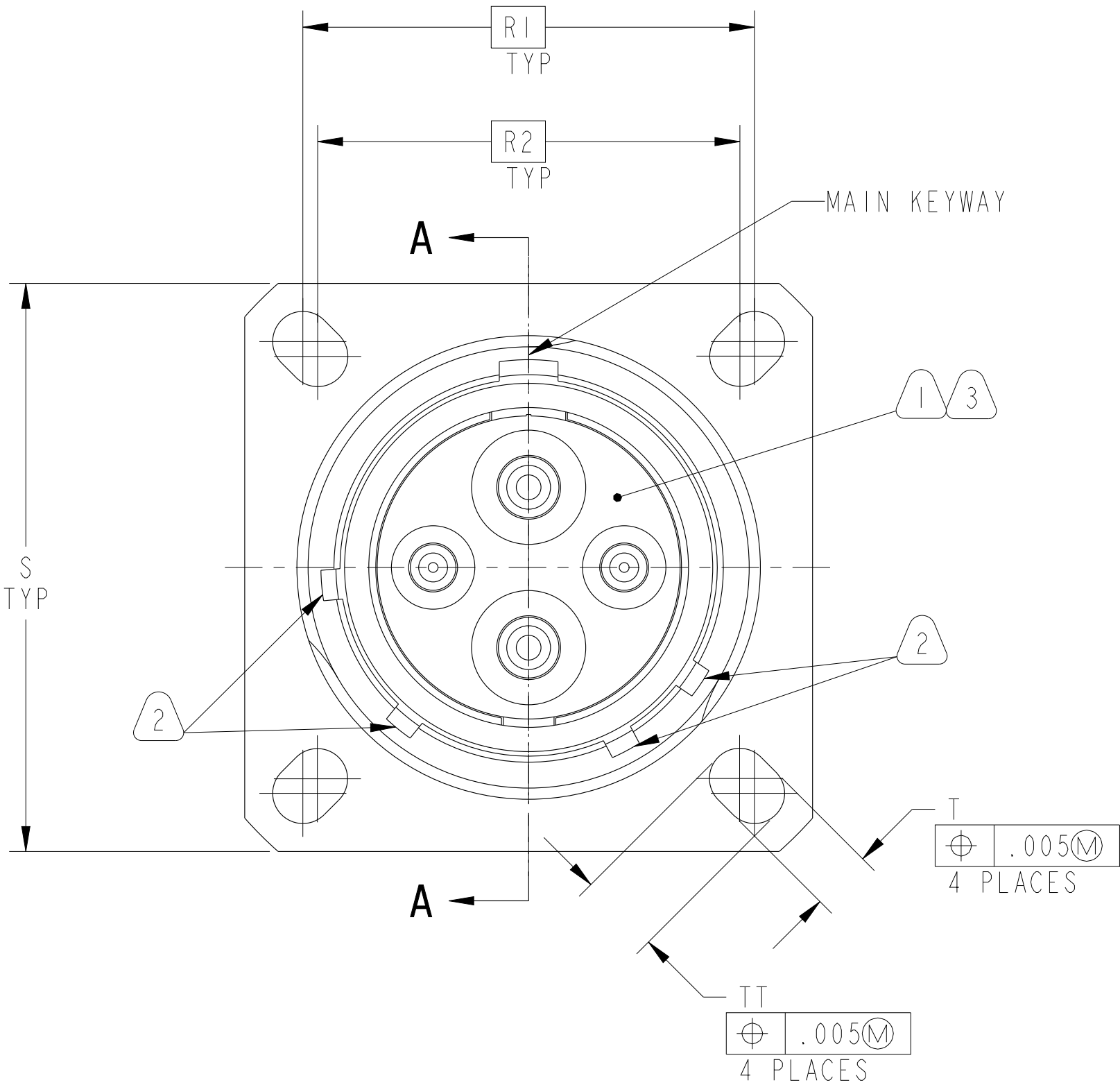
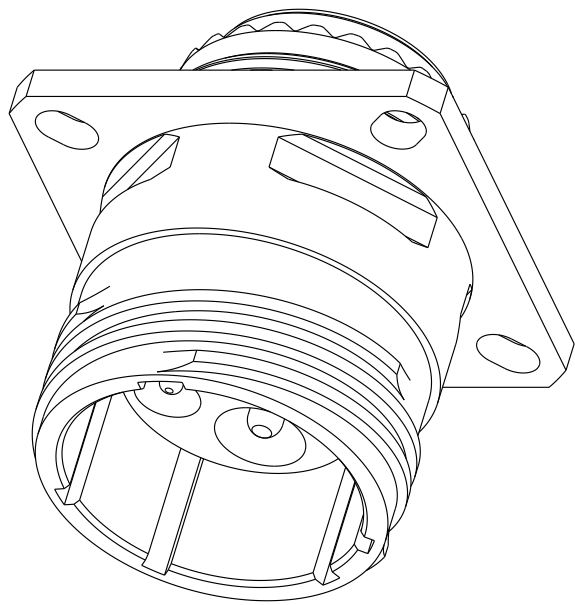


-		SHEET 1 OF 5		FX-778380/389	
REV.		DOCUMENT NO.			
		REVISIONS M			
LTR	DESCRIPTION			DATE	
A	INITIAL RELEASE				



PARTIAL SECTION A-A



ISOMETERIC VIEW
SCALE 2.000

NOTES: SEE SHEET 5

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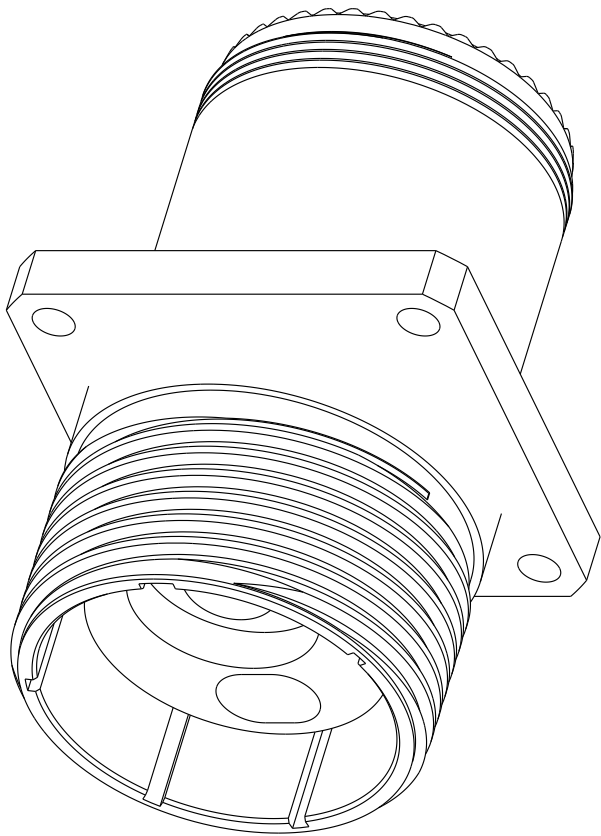
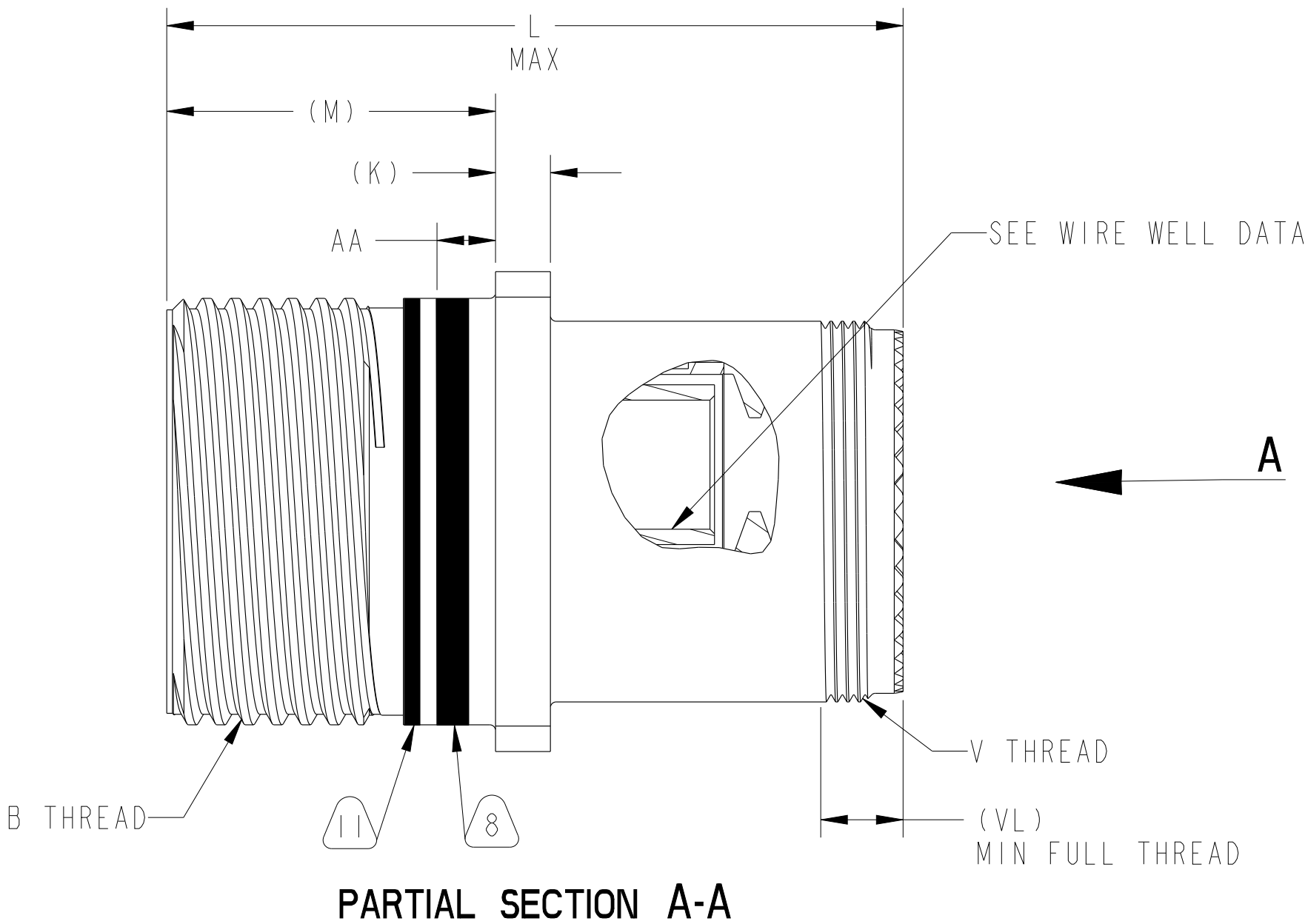
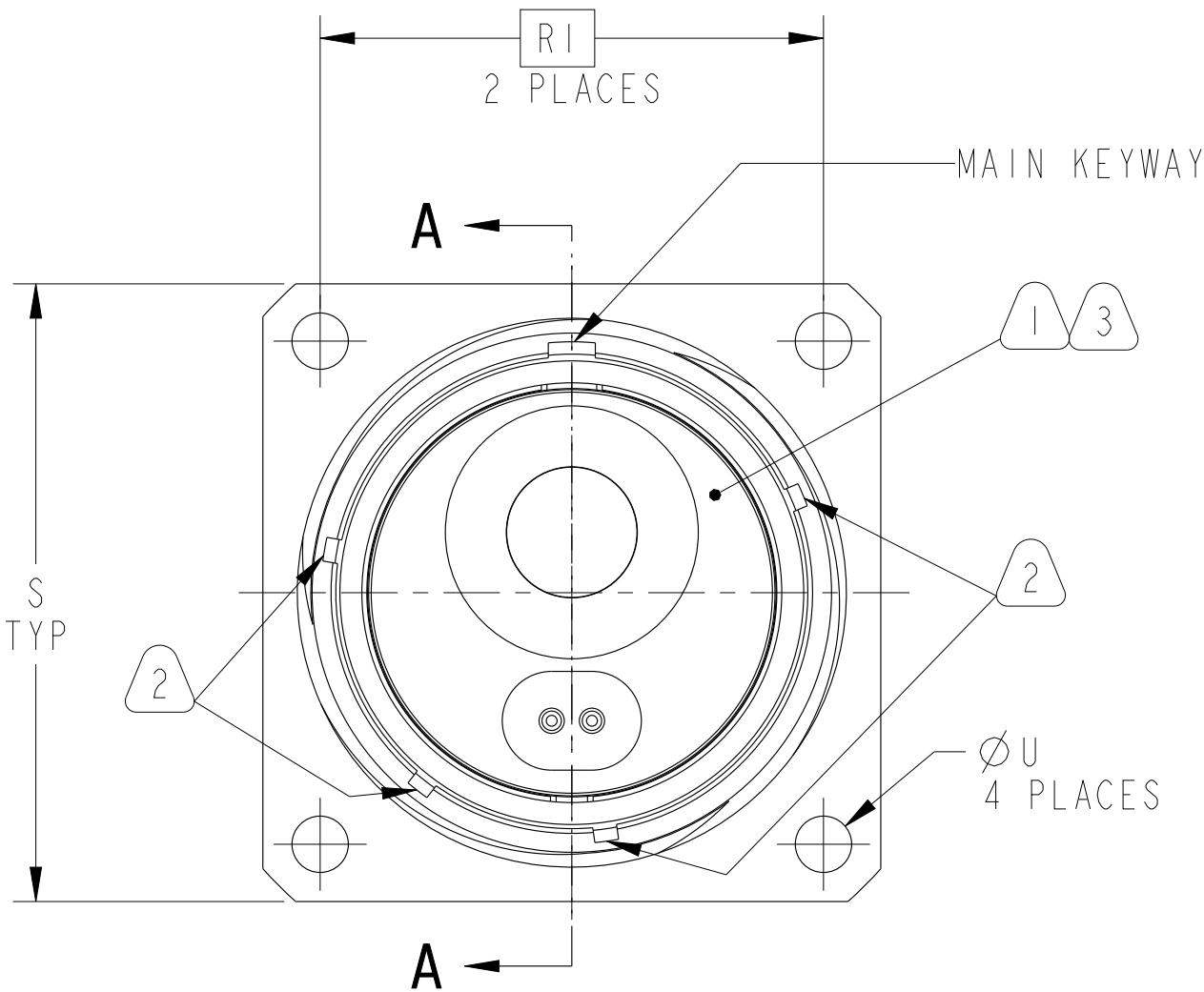
NONE
NEXT ASSEMBLY

PRO/ENGINEER INFORMATION
Pro/e Model Used:
HVC00RF15-54P.ASSEM
Drawing Name:
FX-778380_389

PRELIMINARY
DRAWING
PA1

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 Stds. PER 9-3800 LEGENDS: -FLAG NOTE CALL OUT REFERENCE ONLY 		MATERIAL SPEC.		PARTS LIST					
		NONE		APPROVALS		DATE		AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838 CONNECTOR, WALL MOUNT RECEPTACLE, TYPE HV00(), ALUMINUM, HV38999	
				PREPARED BY		22-Feb-21			
				ENGINEER IN CHARGE					
				DESIGN MANAGER					
		PROCESS SPEC.		DESIGN ACTIVITY GROUP					
SEE NOTE 6		COM-AIR							
		THIRD ANGLE PROJECTION							
						SIZE	CAGE CODE	DOCUMENT NO.	REV.
						C	77820	FX-778380/389	-
						SCALE: 3.5		REF. EX-778200/209	SHEET 1 OF 5

TYPE II



ISOMETRIC VIEW
SCALE 1.500

PRELIMINARY
DRAWING
PA1

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REV.
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REV.
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FX-778380/389

SHEET 3 OF 5

REV.

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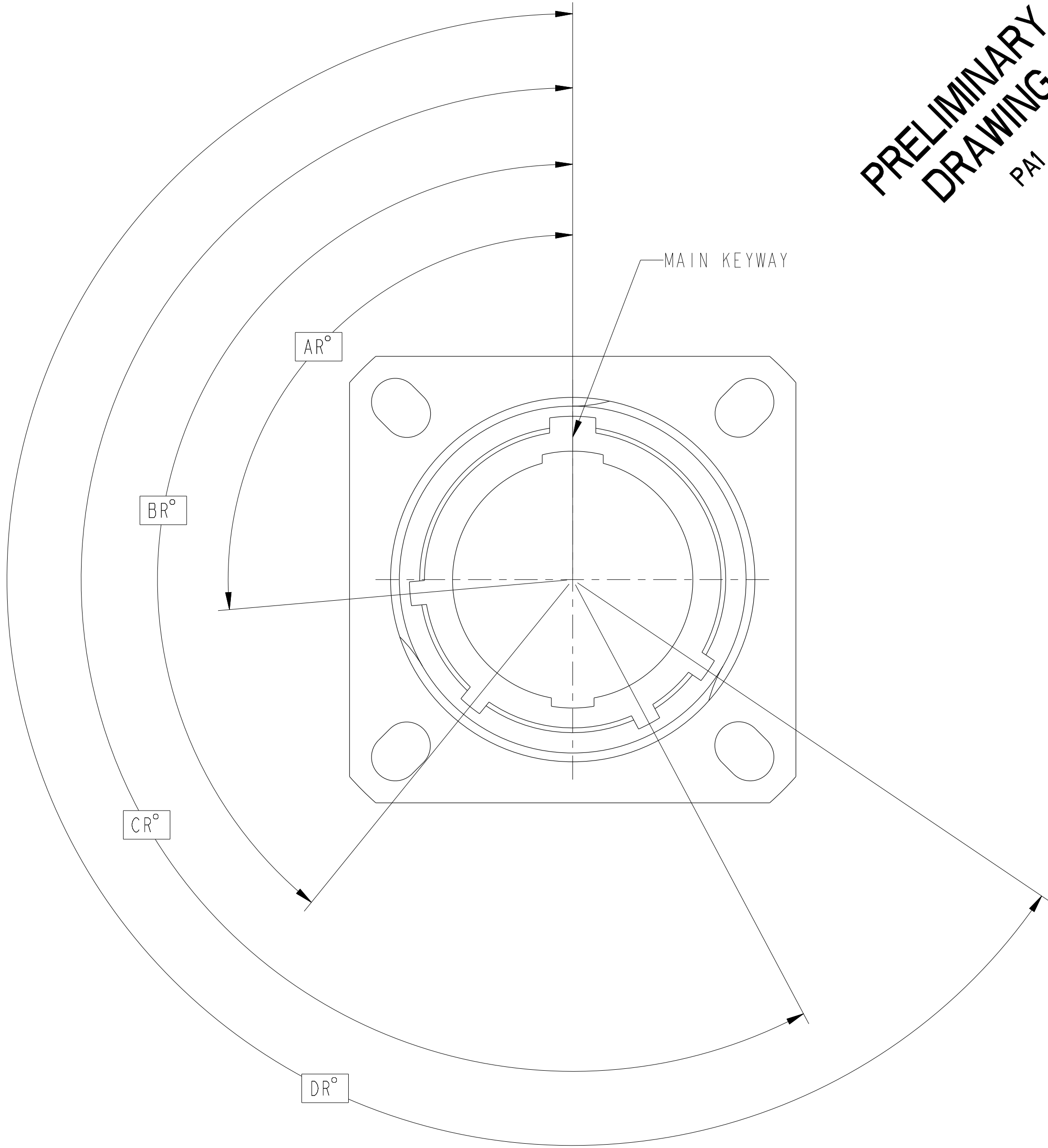
DOCUMENT NO.

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SHEET 3 OF 5

REV.

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PRELIMINARY
DRAWING
PA1

TYPE I					
MINOR KEYWAY LOCATION TABLE					
SHELL SIZE	KEYWAY ARRANGEMENT IDENT. LETTER	AR°	BR°	CR°	DR°
11 THROUGH 15	NORMAL	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
	C	53	156	220	255
	D	119	146	176	298
	E	51	141	184	242
17 THROUGH 25	NORMAL	80	142	196	293
	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272

TYPE II				
MINOR KEYWAY LOCATION TABLE				
KEYWAY ARRANGEMENT IDENT. LETTER	AR°	BR°	CR°	DR°
NORMAL	80	142	188	293
A	135	170		310
B	49	169		244
C	66	140		257
D	62	145		280
E	79	153		272

SIZE

C

CAGE CODE

77820

DOCUMENT NO.

FX-778380/389

REV.

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SCALE: 4.0

REF: FX-778200/209

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68E/08E8/L-X-FX-778380/389

DOCUMENT NO.
FX-778380/389

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ASSEMBLY NUMBER	CUSTOMER NUMBER (REF)	SHELL SIZE	CONNECTOR TYPE 12	B THREAD PER 9-3200-2	(K)	L MAX	(M)	R1	R2	(S)	T ±.008	TT ±.008	ØU ±.003	V THREAD PER 9-7543	(VL) MIN	AA MAX PANEL THICKNESS
()-778380-()-()-()	HV00()11-()-()-()	11	TYPE I	.7500-0.1P-0.3L-TS	.080	1.370	.8175	.812	.719	1.031	.128	.194	N/A	M15 X 1-6g 0.100R	.280	.234
()-778381-()-()-()	HV00()13-()-()-()	13	TYPE I	.8750-0.1P-0.3L-TS	.080	1.370	.8175	.906	.812	1.125	.128	.194	N/A	M18 X 1-6g 0.100R	.280	.234
()-778382-()-()-()	HV00()15-()-()-()	15	TYPE I	1.000-0.1P-0.3L-TS	.080	1.370	.8175	.969	.906	1.219	.128	.173	N/A	M22 X 1-6g 0.100R	.280	.234
()-778383-()-()-()	HV00()17-()-()-()	17	TYPE I	1.1875-0.1P-0.3L-TS	.080	1.370	.8175	1.062	.969	1.312	.128	.194	N/A	M25 X 1-6g 0.100R	.280	.234
			TYPE II		.193	2.600	1.156		N/A		N/A	N/A	.129			TBD
()-778384-()-()-()	HV00()19-()-()-()	19	TYPE I	1.2500-0.1P-0.3L-TS	.080	1.370	.8175	1.156	1.062	1.438	.128	.194	N/A	M28 X 1-6g 0.100R	.280	.234
			TYPE II		.193	2.600	1.156		N/A		N/A	N/A	.129			TBD
()-778385-()-()-()	HV00()21-()-()-()	21	TYPE I	1.3750-0.1P-0.3L-TS	.110	1.370	.7875	1.250	1.156	1.562	.128	.194	N/A	M31 X 1-6g 0.100R	.280	.204
			TYPE II		.193	2.600	1.156		N/A		N/A	N/A	.129			TBD
()-778386-()-()-()	HV00()23-()-()-()	23	TYPE I	1.5000-0.1P-0.3L-TS	.110	1.370	.7875	1.375	1.250	1.688	.154	.242	N/A	M34 X 1-6g 0.100R	.280	.204
			TYPE II		.193	2.600	1.156		N/A		N/A	N/A	.155			TBD
()-778387-()-()-()	HV00()25-()-()-()	25	TYPE I	1.6250-0.1P-0.3L-TS	.110	1.370	.7875	1.500	1.375	1.812	.154	.242	N/A	M37 X 1-6g 0.100R	.280	.204
			TYPE II		.193	2.600	1.156		N/A		N/A	N/A	.155			TBD
()-778388-()-()-()	HV00()33-()-()-()	33	TYPE II	1.8750-0.1P-0.3L-TS	.193	2.600	1.156	1.750	N/A	2.312	N/A	N/A	.210	M45 X 1.5-6g 0.188R	.594	TBD
()-778389-()-()-()	HV00()37-()-()-()	37	TYPE II	2.1250-0.1P-0.3L-TS	.193	2.600	1.156	1.922	N/A	2.484	N/A	N/A	.210	M50 X 1.5-6g 0.188R	.594	TBD

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

TO COMPLETE, ADD INSERT ARRANGEMENT

TO COMPLETE, SEE SERVICE CLASS TABLE

PRELIMINARY
DRAWING
PA1

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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CONTACT TYPE TABLE

13

ASSY NO. DESIGNATION	CODED NO. DESIGNATION	CONTACT DRAWING NUMBER	DESCRIPTION
OMIT	P	10-770011-()	PIN, SILVER PLATED
	S	10-770012-()	SOCKET, SILVER PLATED
A	H	10-770008-()	HIGH PERFORMANCE SOCKET, SILVER PLATED
B	R	10-770010-()	RADSOK SOCKET, SILVER PLATED
C	GP	10-770011-()	PIN, GOLD PLATED
	GS	10-770012-()	SOCKET, GOLD PLATED
E	GH	10-770008-()	HIGH PERFORMANCE SOCKET, GOLD PLATED
F	GR	10-770010-()	RADSOK SOCKET, GOLD PLATED
L	A	N/A	LESS PIN CONTACTS
	B		LESS SOCKET CONTACTS

SIZE
C

CAGE CODE
77820

DOCUMENT NO.
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REV.
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SCALE: 3.5

REF: FX-778200/209

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EXPLANATION OF PART NUMBER																																																																																																											
<table><tr><td>HV</td><td>00</td><td>RF</td><td>15</td><td>-</td><td>54</td><td>A</td><td>A</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>KEYING POLARIZATION (A, B, C, D, E) OMIT FOR NORMAL ROTATION</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>CONTACT CODE, SEE CONTACT TYPE TABLE</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>INSERT ARRANGEMENT PER L-218XX-HVXX</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SHELL SIZE, 11-37</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SHELL FINISH, SEE SERVICE CLASS TABLE</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SHELL STYLE, WALL MOUNT RECEPTACLE</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>BASIC STANDARD, HV38999, ALUMINUM</td><td></td></tr></table>												HV	00	RF	15	-	54	A	A															KEYING POLARIZATION (A, B, C, D, E) OMIT FOR NORMAL ROTATION												CONTACT CODE, SEE CONTACT TYPE TABLE												INSERT ARRANGEMENT PER L-218XX-HVXX												SHELL SIZE, 11-37												SHELL FINISH, SEE SERVICE CLASS TABLE												SHELL STYLE, WALL MOUNT RECEPTACLE												BASIC STANDARD, HV38999, ALUMINUM	
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PRELIMINARY DRAWING PA1																																																																																																											
13. ALL POWER CONTACTS SUPPLIED TO "STANDARD" ASSEMBLIES ARE SILVER PLATED. ALL INTERLOCK CONTACTS ARE GOLD PLATED. FOR INTERLOCK CONTACT INFORMATION REFERENCE M39029/58-360 AND M39029/56-348. FOR POWER CONTACT INFORMATION REFERENCE INDIVIDUAL CONTACT DRAWINGS LISTED IN CONTACT TYPE TABLE. 12. CONNECTORS CONTAINING CONTACTS SIZE 8 OR LARGER SHALL BE TYPE 11. 11. FULLY MATED INDICATOR BAND (COLOR RED). 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-778410/419 & OTHERS. 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 KEYWAYS. SIX POSITIONS ARE AVAILABLE. 1. FOR CONTACT ARRANGEMENT PATTERN, SEE APPLICABLE DRAWINGS PER L-218XX-HVXX. NOTES: THE USE OF THIS DOCUMENT IS UNLIMITED. HOWEVER, DOCUMENTS REFERENCED HEREON MAY CONTAIN LIMITED RIGHTS DATA. Stamp "AMPHENOL", CODED NUMBER, DATE CODE, AND LOT NUMBER (9-3895) PER 9-5788. EXAMPLE: AMPHENOL HV00RF15-54P 2121 20001000 FOR ROTATED KEYWAYS EXAMPLE: AMPHENOL HV00RF15-54PA 2121 20001000 VIEW AT A																																																																																																											
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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[HV00RF15-54P](#) [HV00RF15-54S](#) [HV00RF19-59P](#) [HV00RF19-59R](#) [HV00RF23-59P](#) [HV00RF37-57R](#) [HV00RF23-59R](#) [HV00RF25-56P](#) [HV00RF25-56R](#) [HV00RF37-56P](#) [HV00RF37-56R](#) [HV00RF37-57P](#)