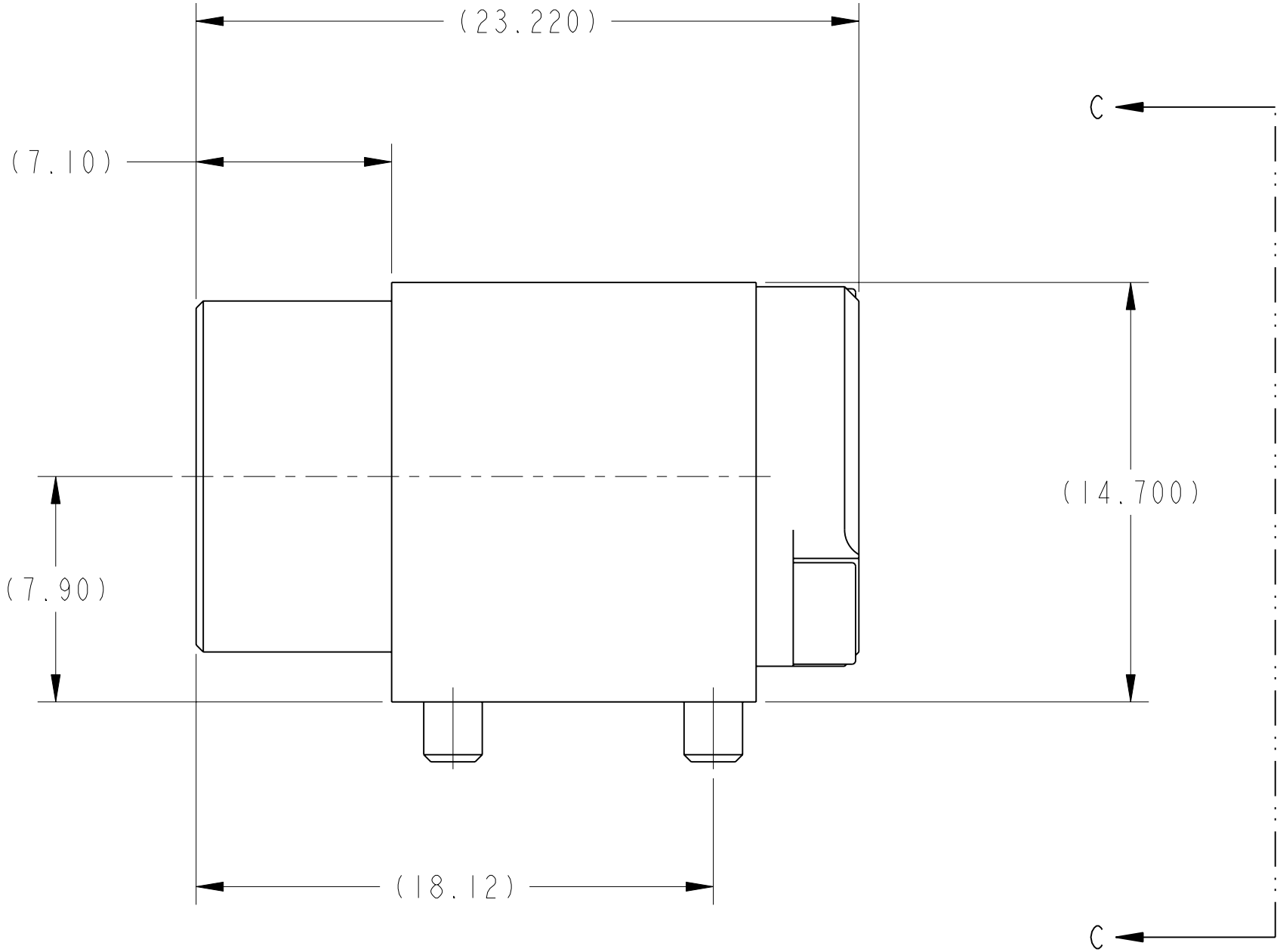
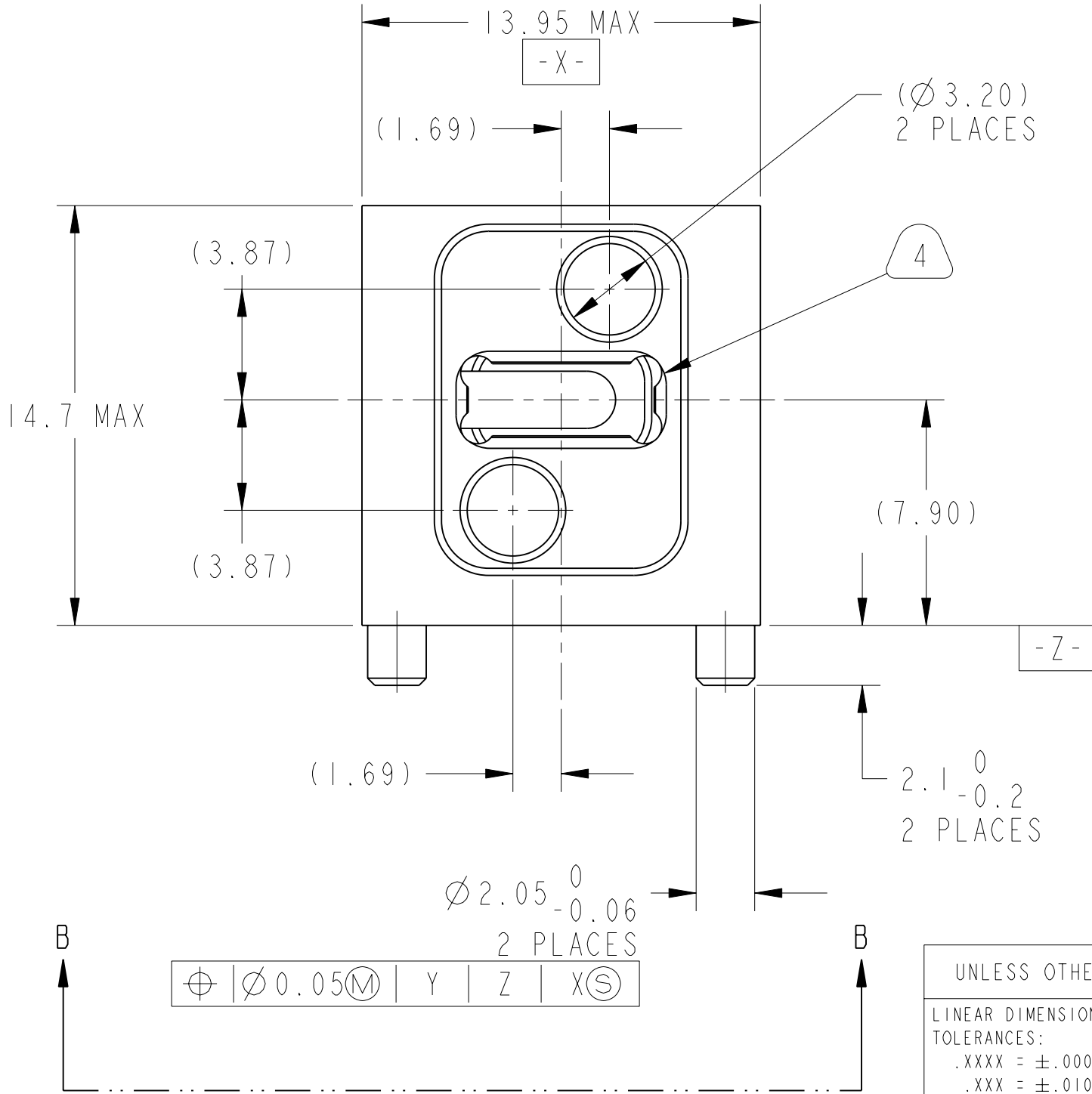
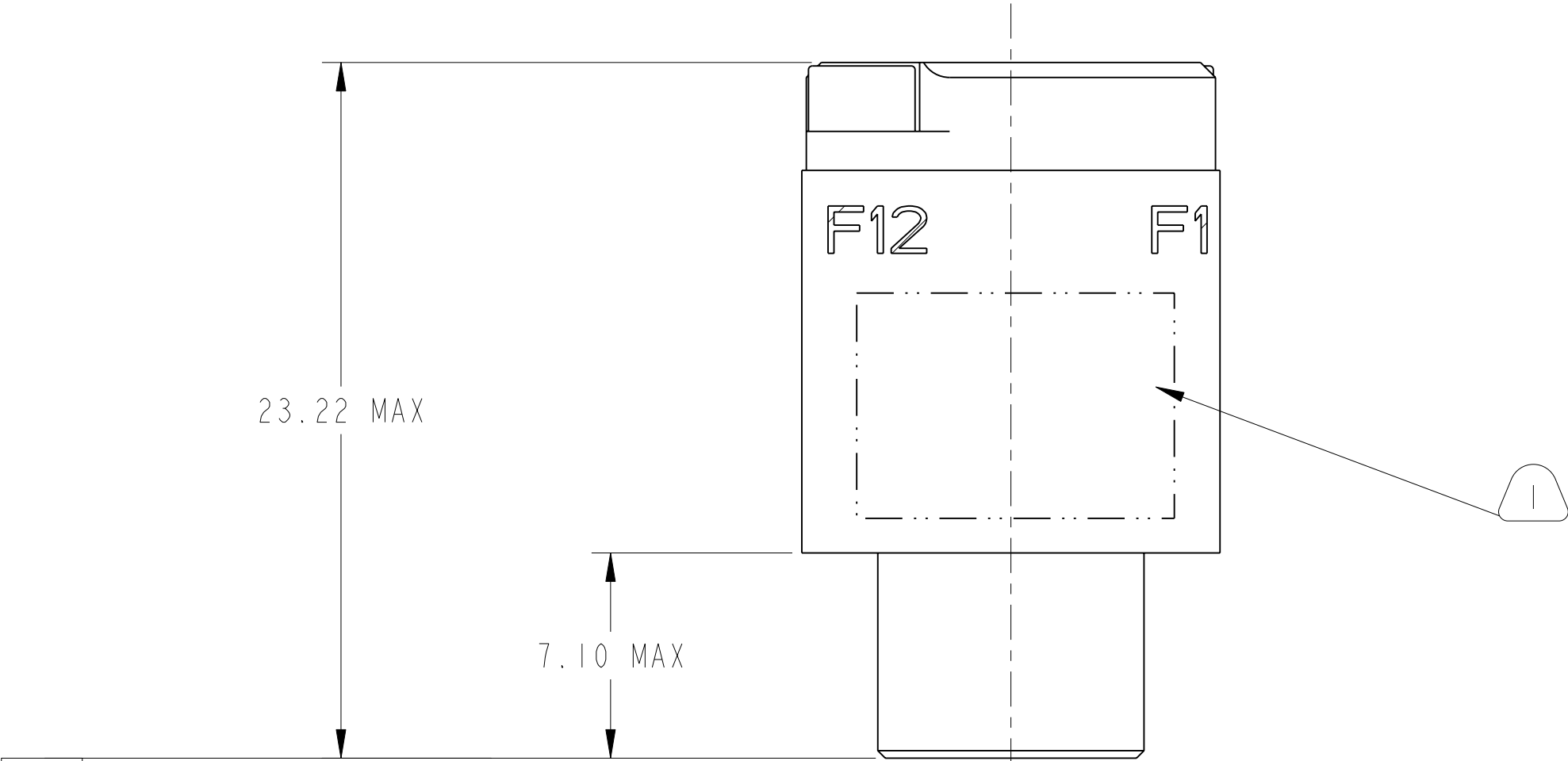


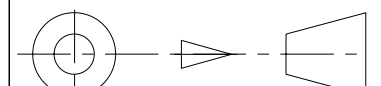
10-504637-008		DOCUMENT NO.	
SHEET 1 OF 3		REV.	
PA1			
REVISIONS			
LTR	DESCRIPTION		DATE
PA1	INITIAL RELEASE		10/19/15

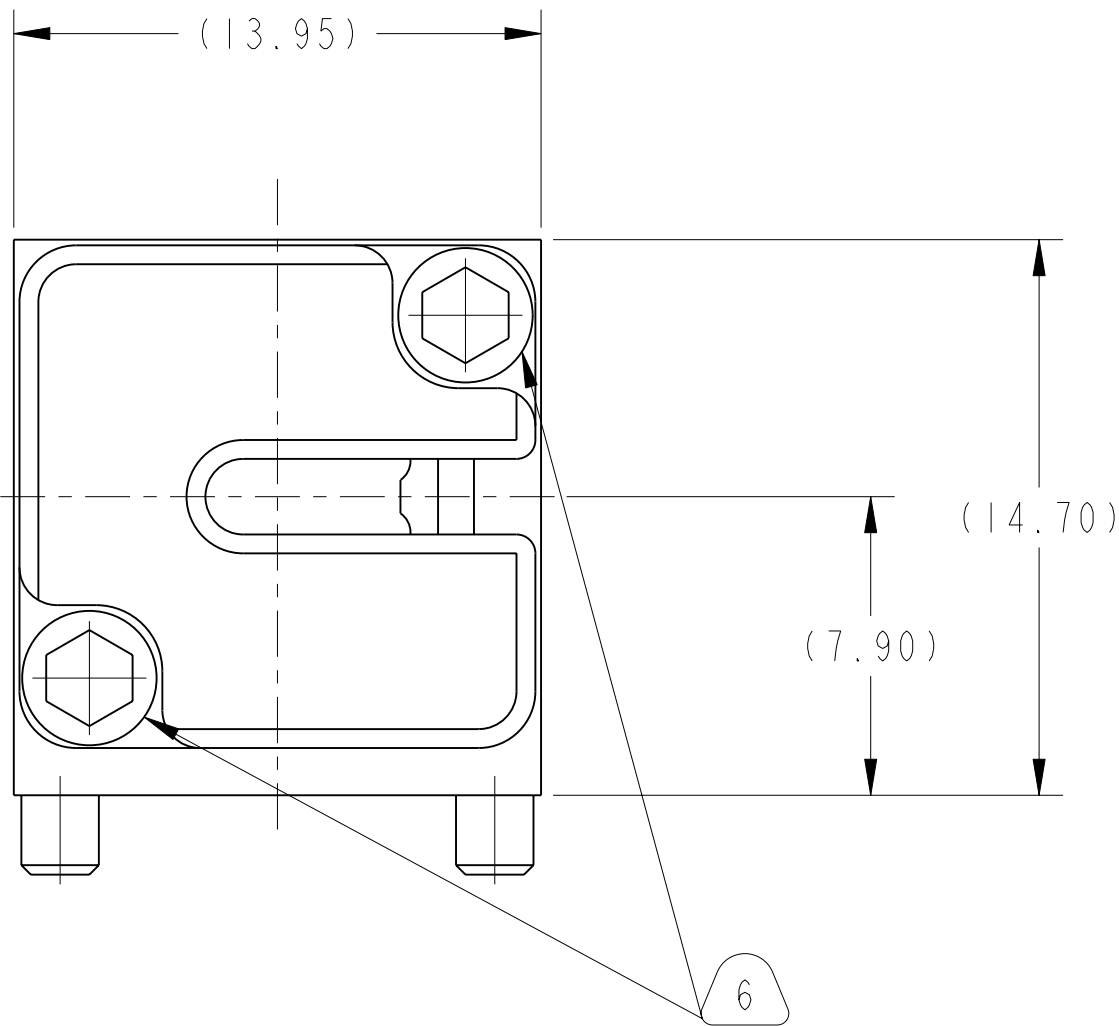


SEE SHEET 2

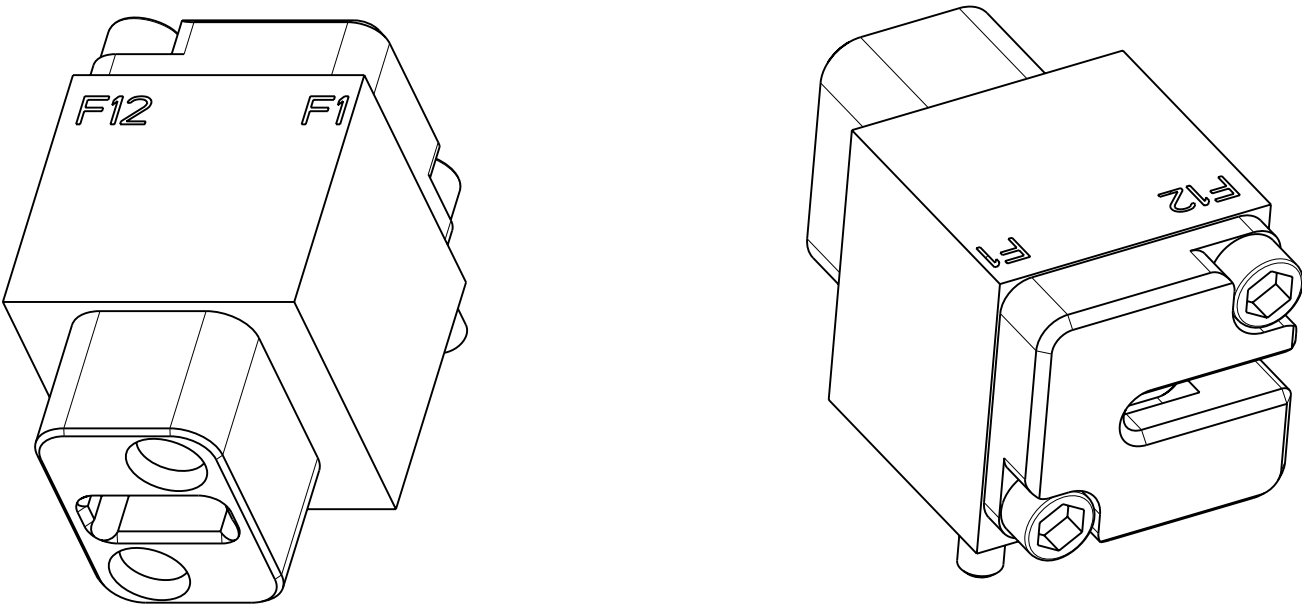
NOTES:
THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
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PRO/ENGINEER INFORMATION	
N/A	Pro/e Model Used:
N/A	10-504637-008.DWG.ASSEM
Drawing Name:	
10-504637-008	

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-DTL-31000; OTHER Amphenol Sds. PER 9-3800 LEGENDS:  = FLAG NOTE CALL OUT REFERENCE ONLY		MATERIAL SPEC.		APPROVALS		DATE	PARTS LIST						
				PREPARED BY R. CHAPMAN		19-Oct-15	AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838						
		ENGINEER IN CHARGE J. PAUL											
		DESIGN MANAGER R. SELFBRIDGE		CONNECTOR, FIBER OPTIC, MODULE, 1 MT (VITA 66.4)									
		DESIGN ACTIVITY GROUP BLP											
PROCESS SPEC.		THIRD ANGLE PROJECTION			SIZE C	CAGE CODE 77820	DOCUMENT NO. 10-504637-008		REV. PA1				
		9-3856-5 9-3895		SCALE: 3.0						REF: NA		SHEET 1 OF 3	



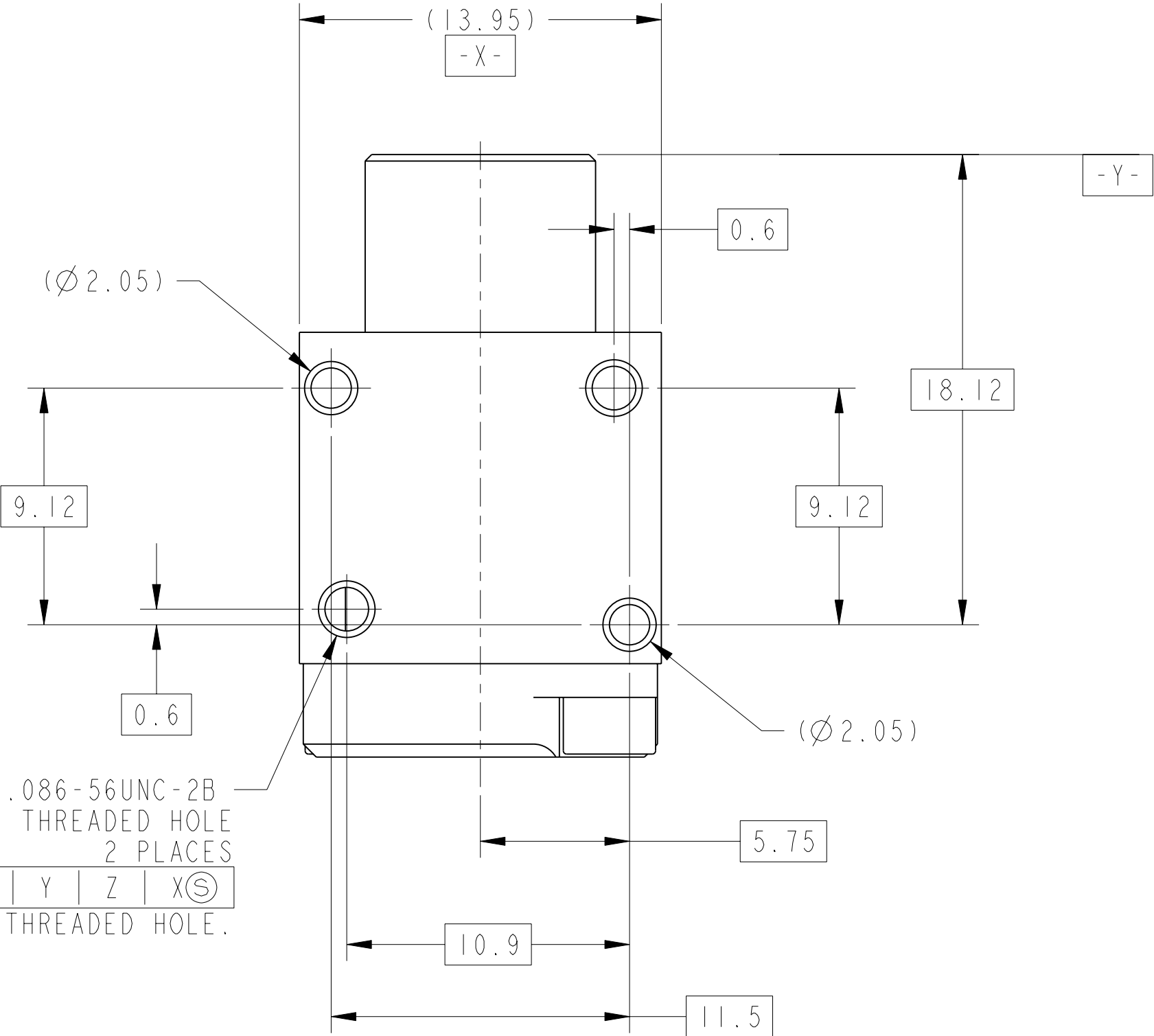
VIEW AT C



MATERIALS AND FINISHES

COMPONENT	MATERIAL/ FINISH
MAIN BODY	BODY - MATERIAL - ALUM. ALLOY PER AMS 4150 FINISH - CHROMATE TREATMENT PER MIL-C-5541, CL 3 HELICAL INSERTS - STAINLESS STEEL 304 SERIES PASSIVATED
MT RETAINER	BODY - MATERIAL - ALUM. ALLOY PER AMS 4150 FINISH - CHROMATE TREATMENT PER MIL-C-5541, CL 3 SCREW - STAINLESS STEEL 300 SERIES PASSIVATED
PIN CLAMP ASSEMBLY	BODY - GLASS FILLED LIQUID CRYSTAL POLYMER ALIGNMENT PINS - STAINLESS STEEL 303 SERIES, PASSIVATED

SIZE C	CAGE CODE 77820	DOCUMENT NO. 10-504637-008	REV. PA1
SCALE: 3.0	REF.	NA	SHEET 2 OF 3



VIEW AT B

- BLACK INK STAMP PART NUMBER AND DATE CODE ON INDICATED SURFACE PER 9-3856-5. DATE CODE PER 9-3895. CHARACTERS TO BE .062±.020 HIGH. ADDITIONAL INFORMATION MAY BE REQUESTED BY PURCHASE ORDER. STAMP ING CAN BE ON BOTH SIDES OF PART.
- FOR MATING BACKPLANE CONNECTOR ASSEMBLY, SEE DRAWING 10-504639-006.
- FOR CONNECTOR INSTALLATION ILLUSTRATION SEE SHEET 3.
- INSERT CAVITIY IS FOR A FIBER OPTIC MT FERRULE PER IEC 1754-5-4. MT FERRULES AND ASSOCIATED RIBBON CABLE ARE NOT PART OF THIS ASSEMBLY. GUIDE PINS FOR MT FERRULES ARE INCLUDED IN THE ASSEMBLY.
- MT PIN CLAMP ASSEMBLIES ARE SHIPPED UNASSEMBLED.
- RETAINER SCREWS TO BE TIGHTENED TO A TORQUE OF 2 -3 IN-LBS. RETAINER SHOULD BE BOTTOMED ON CONNECTOR BODY.

Ø 0.13 M Y Z X S

4.75 MAX SCREW DEPTH ONTO THREADED HOLE.

.086-56UNC-2B
THREADED HOLE
2 PLACES

0.6

5.75

10.9

11.5

18.12

9.12

9.12

0.6

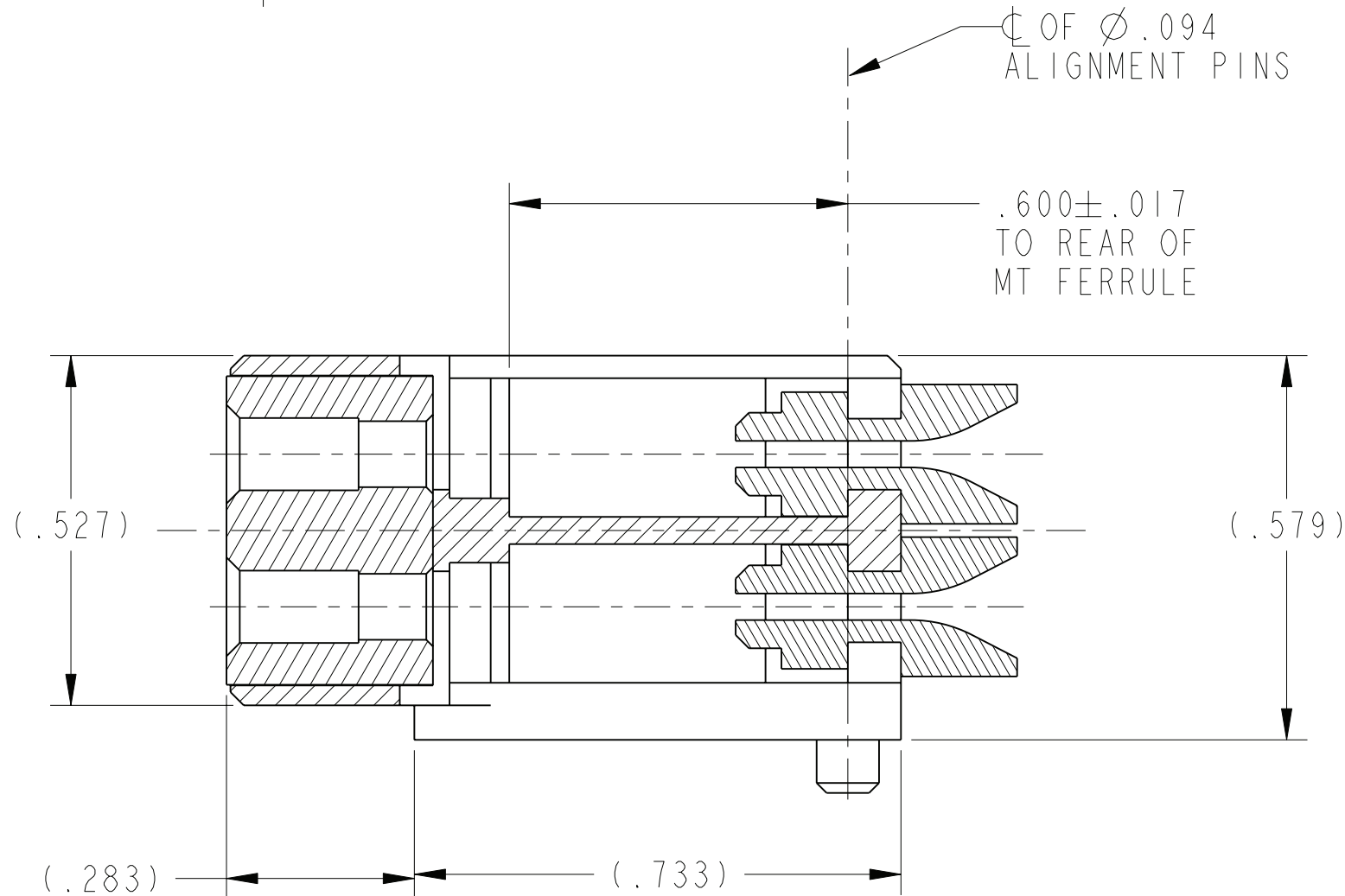
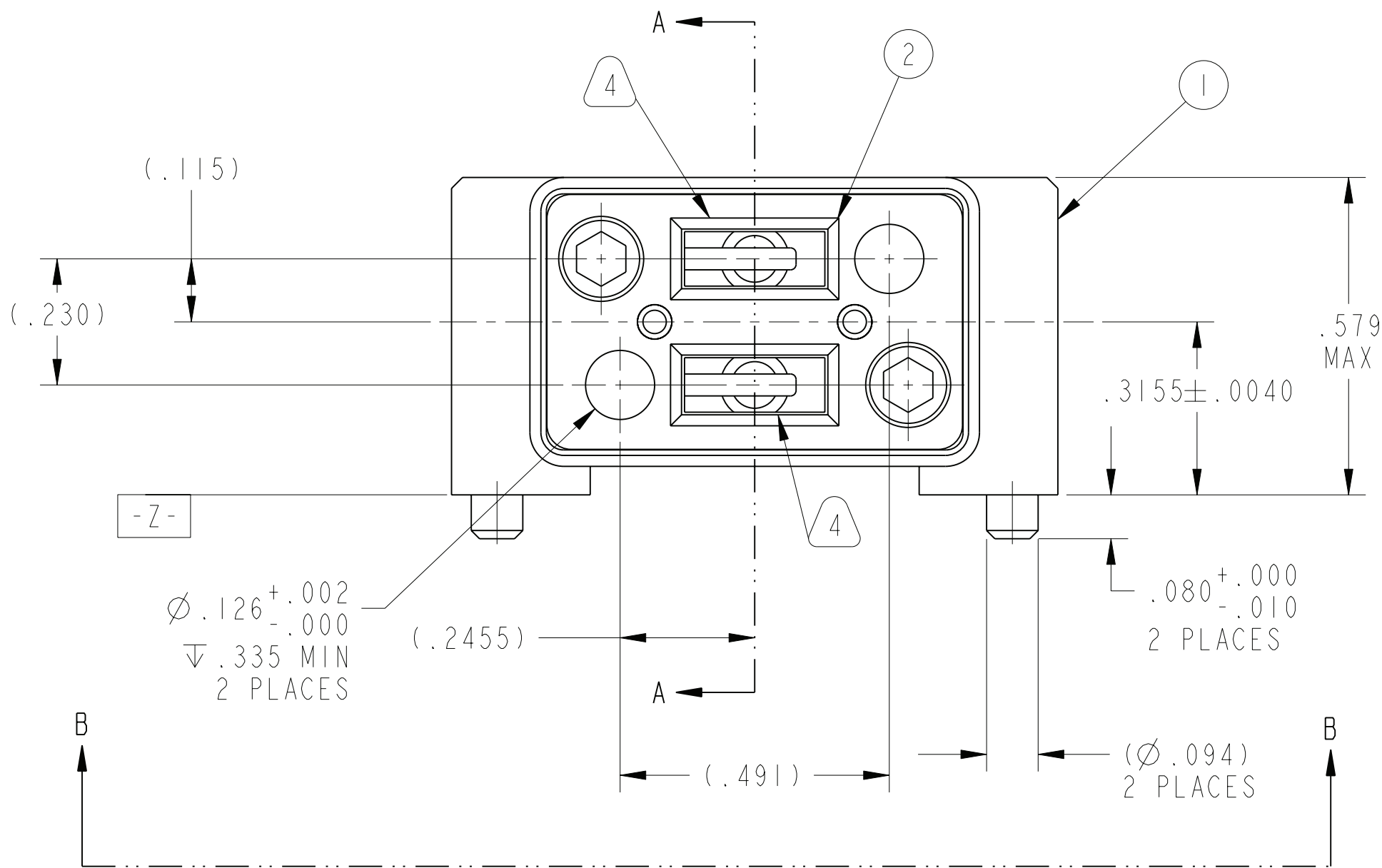
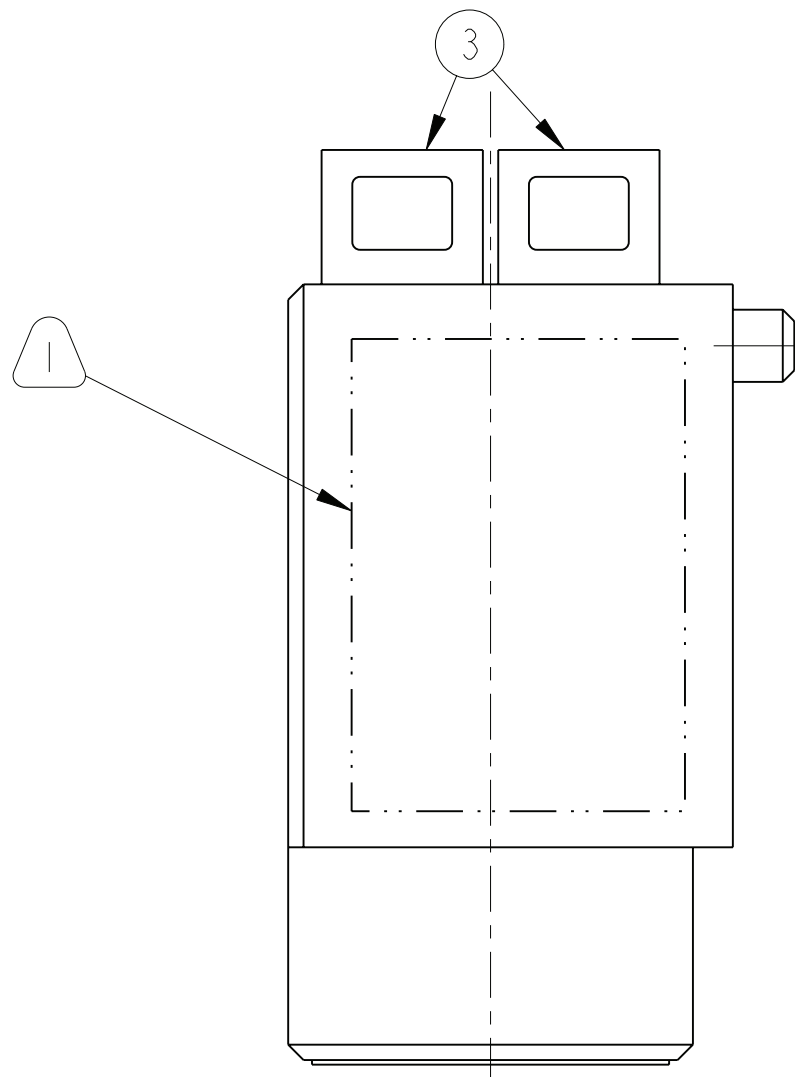
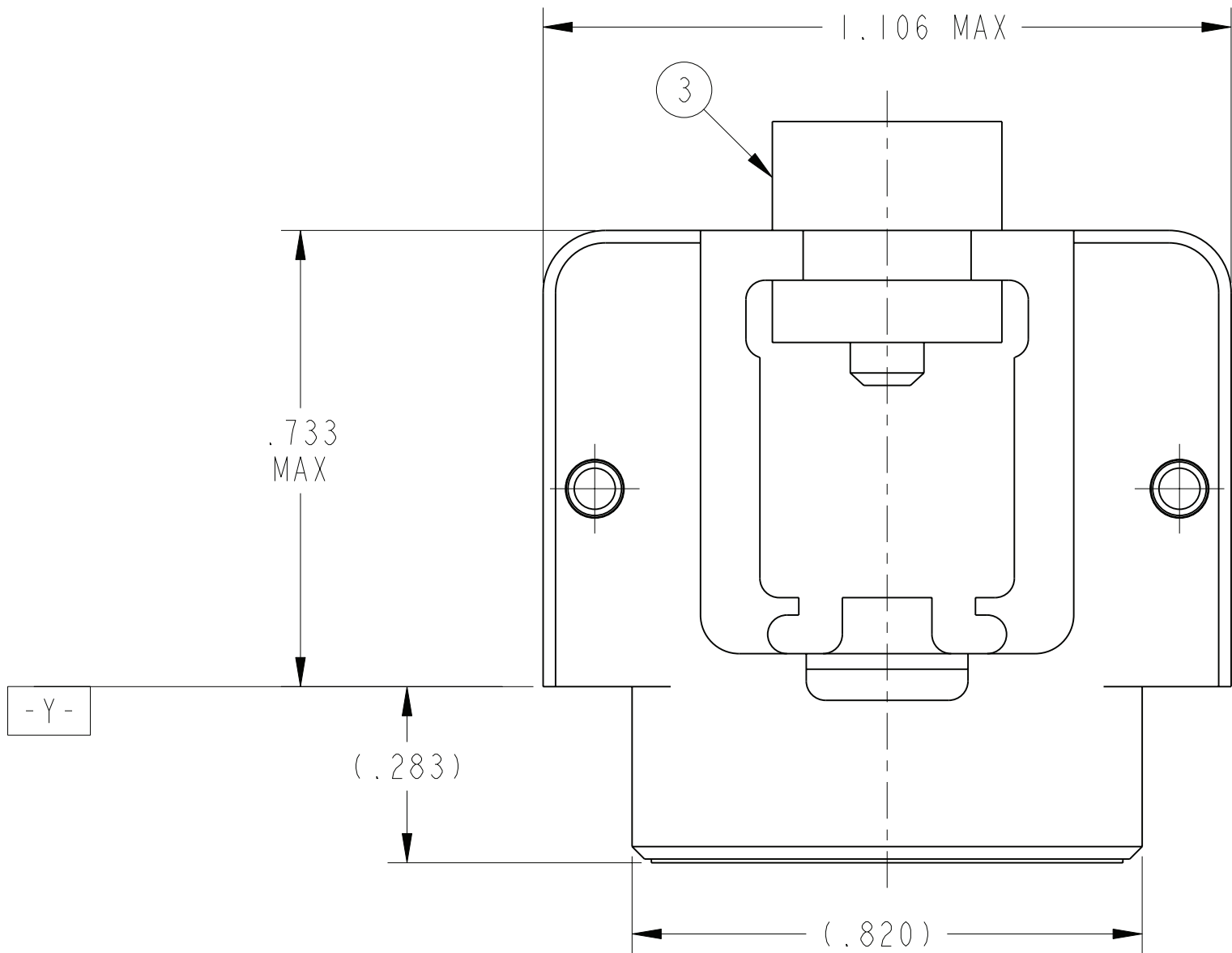
-Y-

-X-

13.95

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HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

10-504637-004		DOCUMENT NO.	
SHEET 1 OF 4		REV. B	
REVISIONS			
LTR	DESCRIPTION	DATE	
A	PRODUCTION RELEASE	6/13/11	
B	CL(11) SEE CHANGE NOTICE ECN:B2374	1/23/12 RKC	



SECTION A-A

4	4	10-504808-007	MT PIN CLAMP ASSEMBLY	
3	2	10-504819-003	STRAIN RELIEF	
2	1	10-504819-007	MT FRONT INSERT ASSEMBLY	
1	1	10-504638-019	MAIN BODY	
POS	QTY	PART NUMBER	DESCRIPTION	NOTE
PARTS LIST				
APPROVALS		DATE	AMPHENOL CORPORATION	
PREPARED BY R. CHAPMAN		13-Jan-11	40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838	
ENGINEER IN CHARGE E. HICKEY			CONNECTOR, FIBER OPTIC, MODULE, 2 MT	
DESIGN MANAGER E. HICKEY				
DESIGN ACTIVITY GROUP BLP				
THIRD ANGLE PROJECTION			SIZE C	CAGE CODE 77820
			DOCUMENT NO. 10-504637-004	
			SCALE: 2.0	REF: 10-504637-003
			SHEET 1 OF 4	

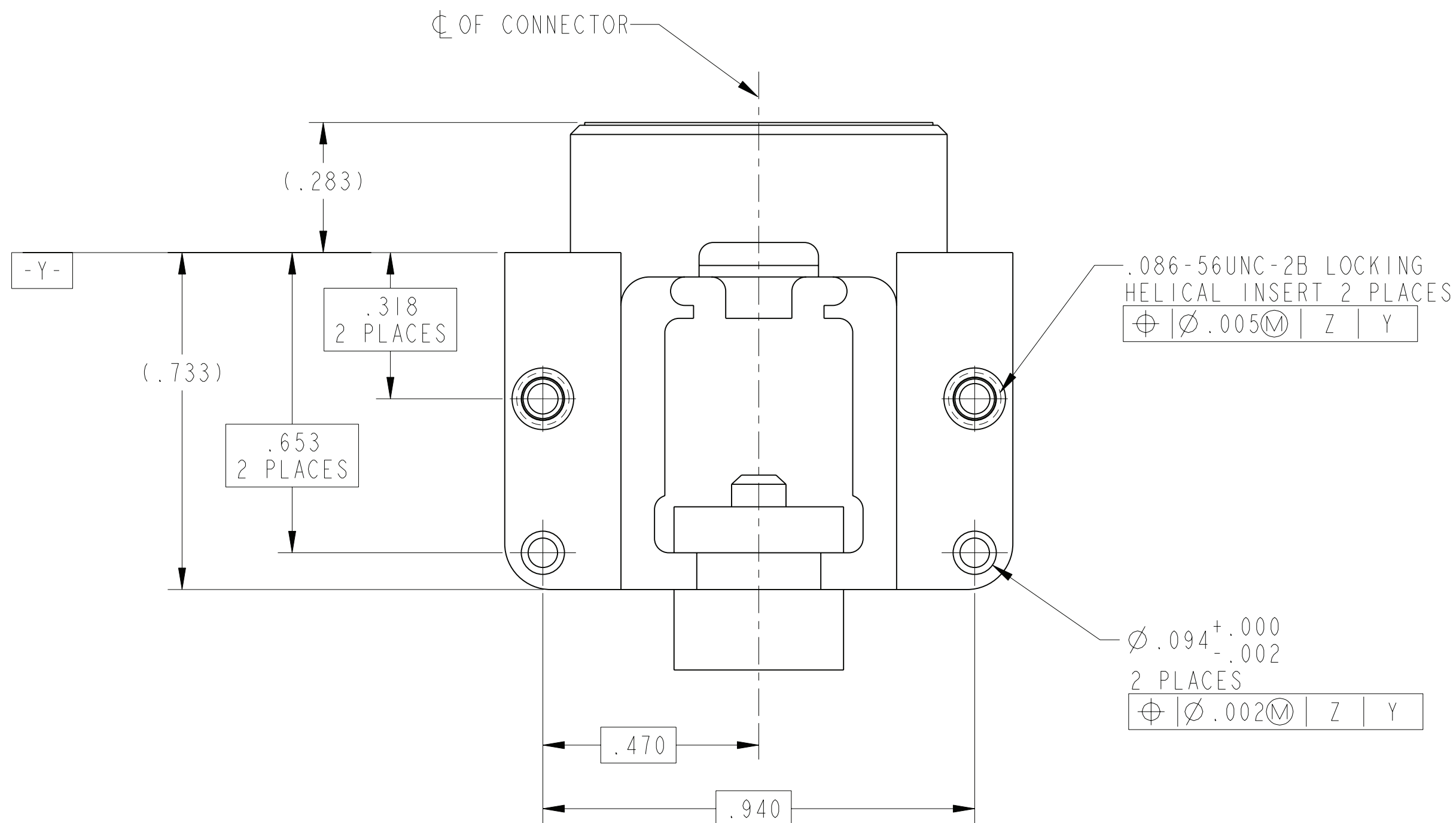
NOTES: SEE SHEET 2

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: 10-504637-004.ASSEM
NEXT ASSEMBLY	Drawing Name: 10-504637-004

UNLESS OTHERWISE SPECIFIED	SPECIFICATIONS
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 ANGLES= ±2° .XXX = ±.010 .XX = ±.03 .X = ±.1	MATERIAL SPEC. NA
DIM.& TOL. PER ASME Y14.5M; DRM PER MIL-DTL-31000; OTHER Amphenol Sds. PER 9-3800	PROCESS SPEC. 9-3856-5 9-3895
LEGENDS: = FLAG NOTE CALL OUT REFERENCE ONLY	

SCALE 4.000



VIEW AT B

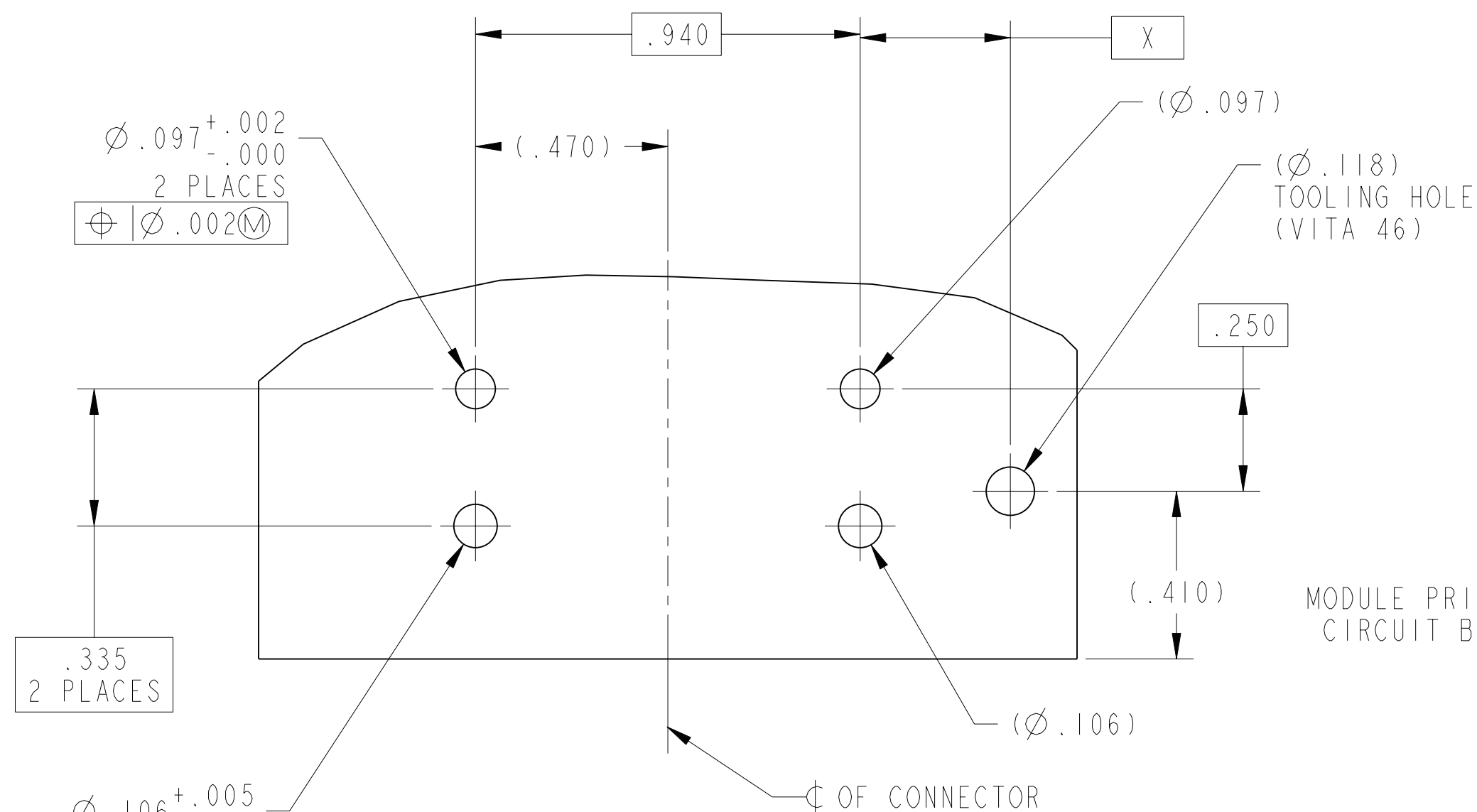
7. MT FERRULE (NOT INCLUDED) CAN NOT BE INSTALLED OR REMOVED UNLESS INSERT IS REMOVED FROM ASSEMBLY FIRST. REMOVE CONNECTOR FROM BOARD TO ACCESS MT FERRULE CLOSET TO BOARD.
6. FRONT INSERT ASSEMBLY, STRAIN RELIEFS AND MT PIN CLAMP ASSEMBLIES ARE SHIPPED UNASSEMBLED.
5. FRONT INSERT (F/N 2) IS REMOVABLE ONCE CONNECTOR IS ATTACHED TO MODULE FOR CLEANING BY UNTHREADING CAPTIVE SCREWS. SCREWS SHOULD BE INSTALLED TO 10-14 IN-OZ.
4. INSERT CAVITIES ARE FOR FIBER OPTIC MT FERRULES PER IEC 1754-5-4. MT FERRULES AND ASSOCIATED RIBBON CABLE ARE NOT PART OF THIS ASSEMBLY. GUIDE PINS FOR MT FERRULES ARE INCLUDED (F/N 4) IN THE ASSEMBLY.
3. FOR CONNECTOR INSTALLATION ILLUSTRATION AND MATED DIMENSIONS SEE SHEET 3.
2. FOR MATING BACKPLANE CONNECTOR ASSEMBLY, SEE DRAWING 10-504639-002.
1. BLACK INK STAMP "AMPHENOL" PART NUMBER AND DATE CODE ON INDICATED SURFACE PER 9-3856-5. DATE CODE PER 9-3895. CHARACTERS TO BE .062±.020 HIGH. ADDITIONAL INFORMATION MAY BE REQUESTED BY PURCHASE ORDER. STAMP ING CAN BE ON BOTH SIDES OF PART.

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MAY CONTAIN LIMITED RIGHTS DATA.

SIZE C	CAGE CODE 77820	DOCUMENT NO. 10-504637-004	REV. B
SCALE: 2.0	REF. 10-504637-003	SHEET 2 OF 4	

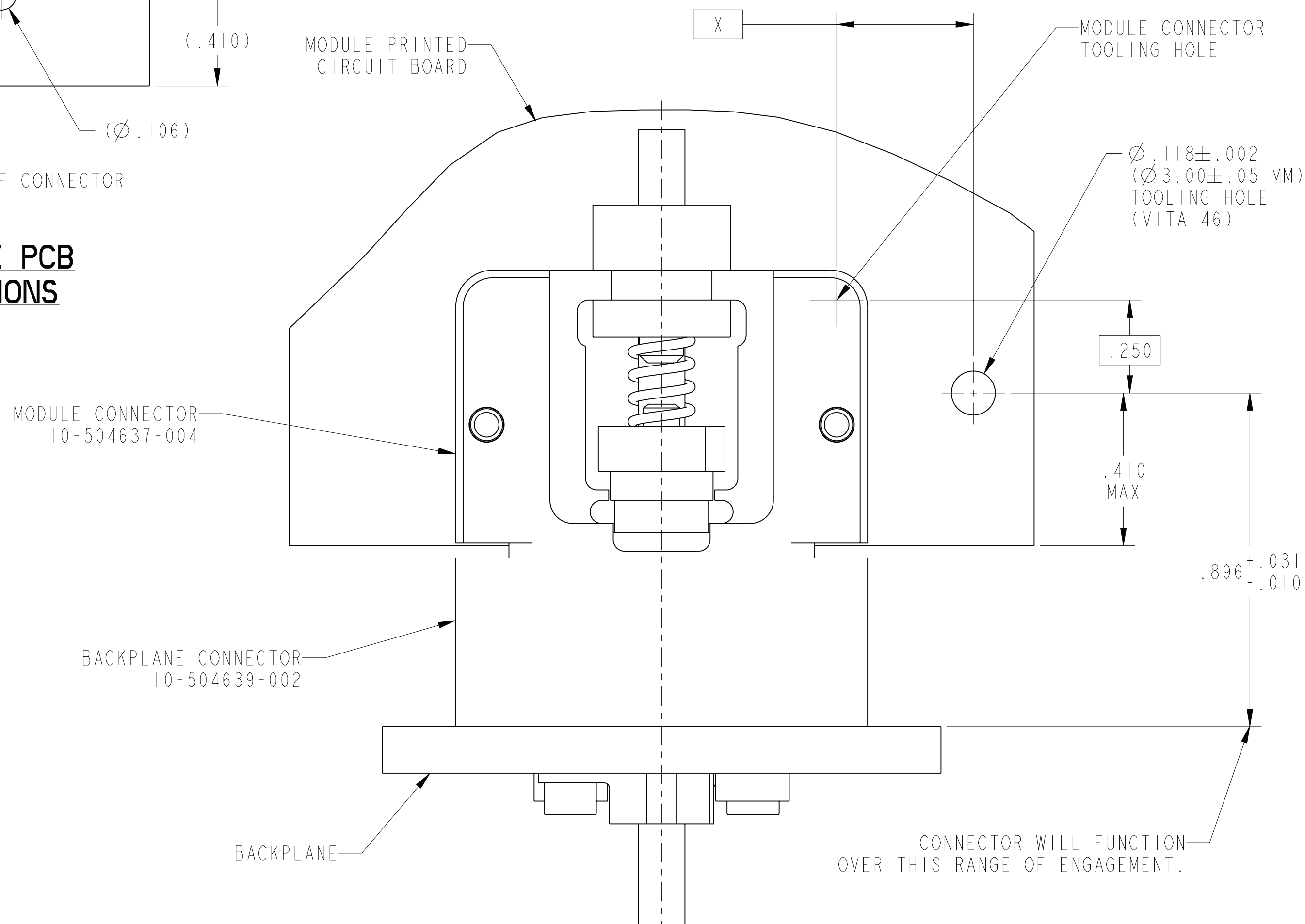
CONNECTOR LOCATION ON MODULE PCB	
POSITION	DIM "X" MM (INCH)
P2	53.73 (2.1154)
P3	96.55 (3.8012)
P4	125.35 (4.9350)
P5	154.15 (6.0689)
P6	182.95 (7.2028)

—POSITIONS PER VITA 46



SUGGESTED MODULE PCB INTERFACE DIMENSIONS

SCALE 3.000

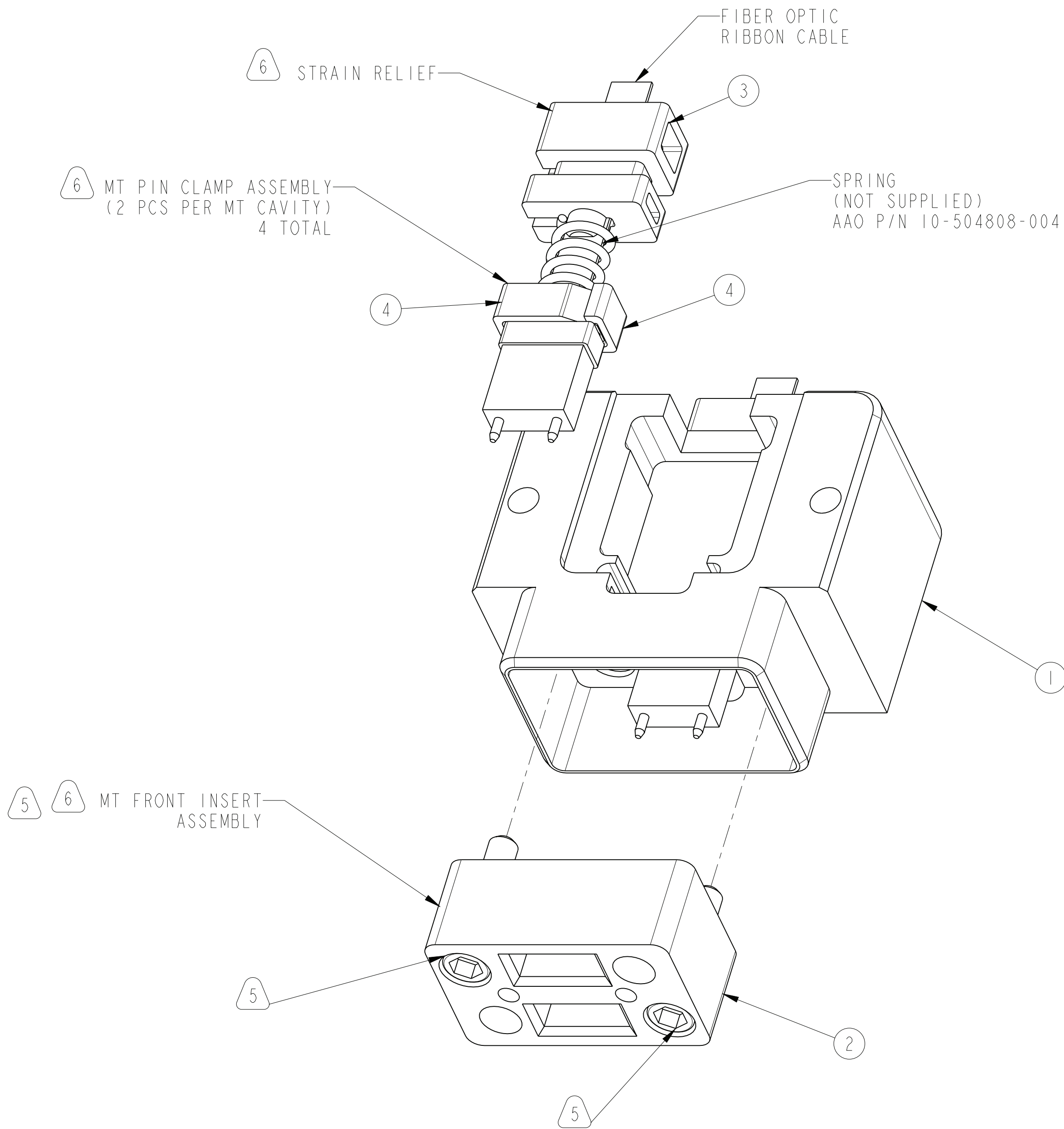


CONNECTOR INSTALLATION ILLUSTRATION AND MATED DIMENSIONS

SCALE 4.000

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HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

SIZE C	CAGE CODE 77820	DOCUMENT NO. 10-504637-004	REV. B
SCALE: 2.0	REF. 10-504637-003	SHEET 3 OF 4	

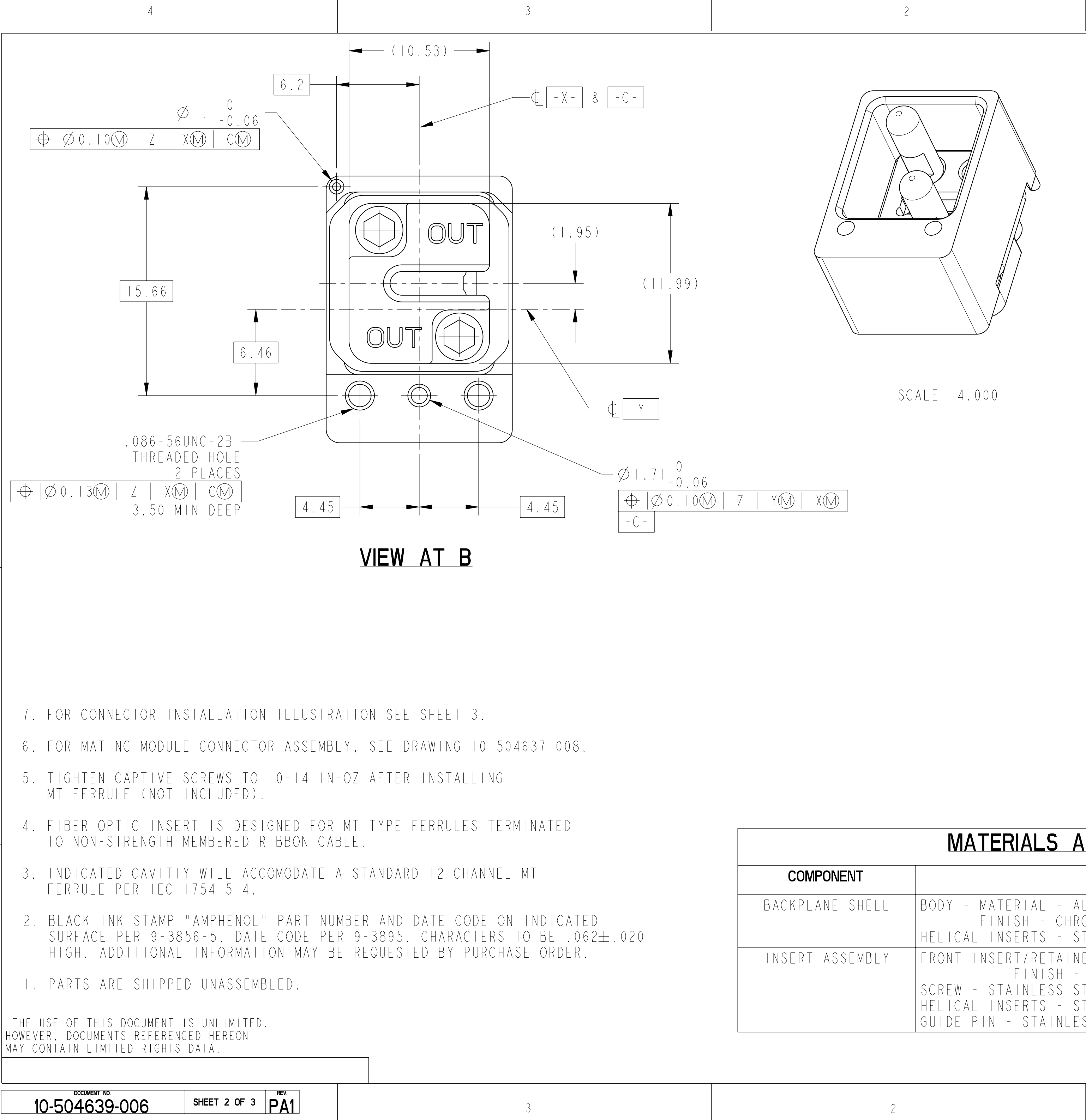


EXPLODED VIEW OF
MT ASSEMBLY

SCALE 4.000

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

4



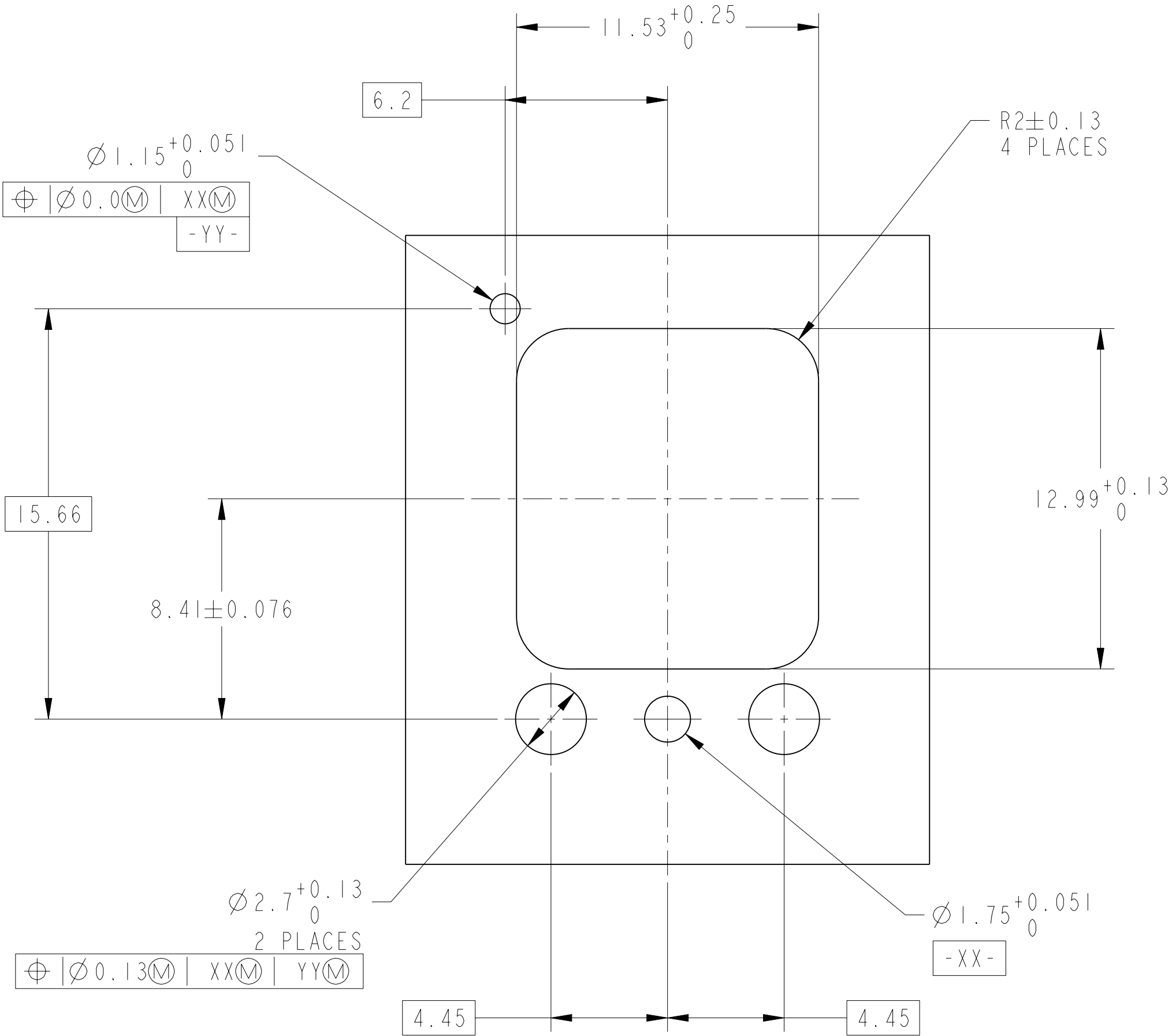
7. FOR CONNECTOR INSTALLATION ILLUSTRATION SEE SHEET 3.
6. FOR MATING MODULE CONNECTOR ASSEMBLY, SEE DRAWING 10-504637-008.
5. TIGHTEN CAPTIVE SCREWS TO 10-14 IN-OZ AFTER INSTALLING MT FERRULE (NOT INCLUDED).
4. FIBER OPTIC INSERT IS DESIGNED FOR MT TYPE FERRULES TERMINATED TO NON-STRENGTH MEMBERED RIBBON CABLE.
3. INDICATED CAVITIY WILL ACCOMODATE A STANDARD 12 CHANNEL MT FERRULE PER IEC 1754-5-4.
2. BLACK INK STAMP "AMPHENOL" PART NUMBER AND DATE CODE ON INDICATED SURFACE PER 9-3856-5. DATE CODE PER 9-3895. CHARACTERS TO BE .062±.020 HIGH. ADDITIONAL INFORMATION MAY BE REQUESTED BY PURCHASE ORDER.
1. PARTS ARE SHIPPED UNASSEMBLED.

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MAY CONTAIN LIMITED RIGHTS DATA.

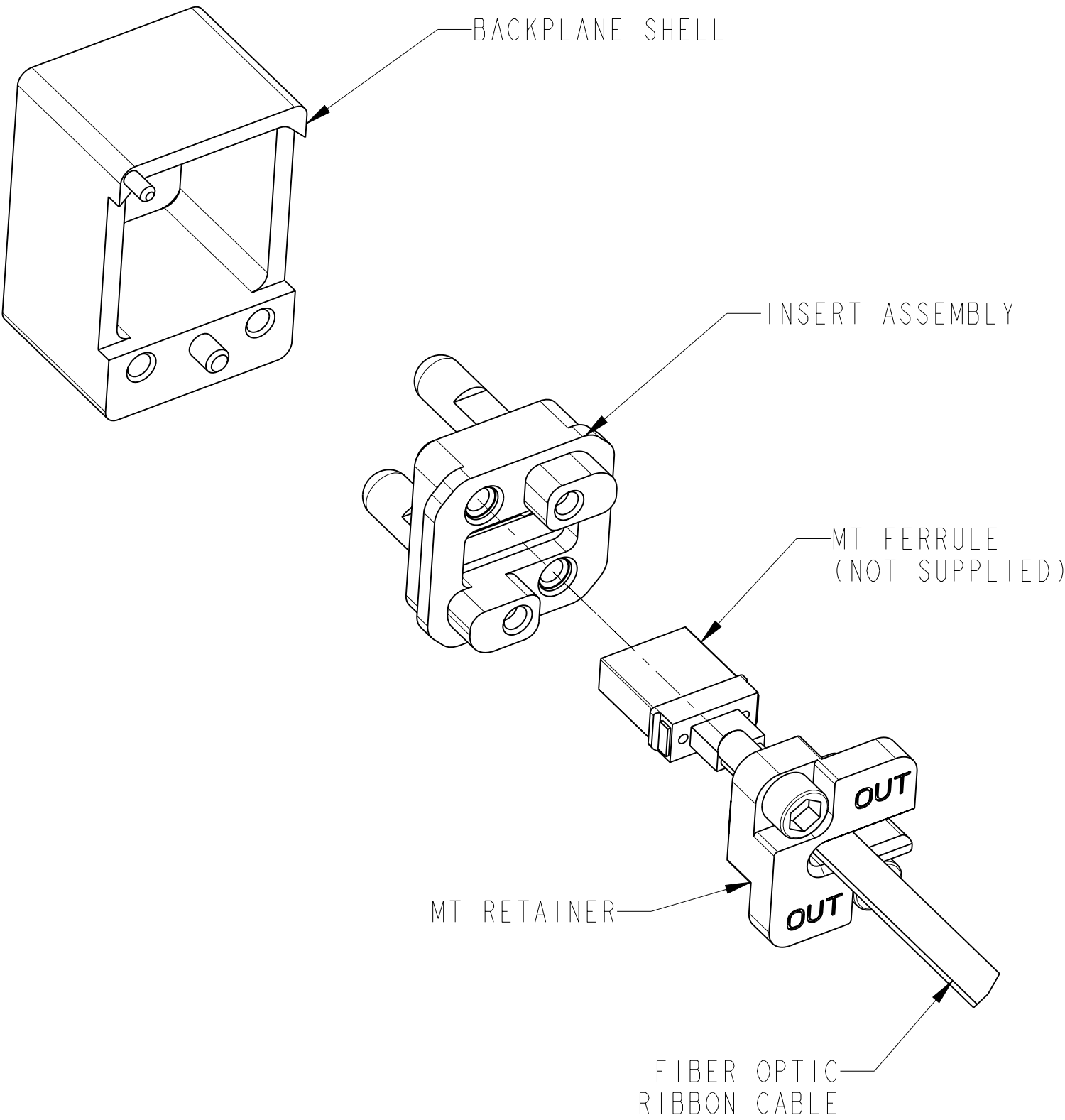
MATERIALS AND FINISHES

COMPONENT	MATERIAL/ FINISH
BACKPLANE SHELL	BODY - MATERIAL - ALUM. ALLOY PER AMS 4150 FINISH - CHROMATE TREATMENT PER MIL-C-5541, CL 3 HELICAL INSERTS - STAINLESS STEEL 304 SERIES PASSIVATED
INSERT ASSEMBLY	FRONT INSERT/RETAINER - MATERIAL - ALUM ALLOY PER AMS 4150 FINISH - CHROMATE TREATMENT PER MIL-C-5541, CL3 SCREW - STAINLESS STEEL 300 SERIES, PASSIVATED HELICAL INSERTS - STAINLESS STEEL 304 SERIES, PASSIVATED GUIDE PIN - STAINLESS STEEL PER AMS 5640. PASSIVATED

SIZE C	CAGE CODE 77820	DOCUMENT NO. 10-504639-006	REV. PA1
SCALE: 3.0	REF.	NA	SHEET 2 OF 3



SUGGESTED BACKPLANE BOARD CUTOUTS
(CONNECTOR SIDE SHOWN)
SCALE 6.000



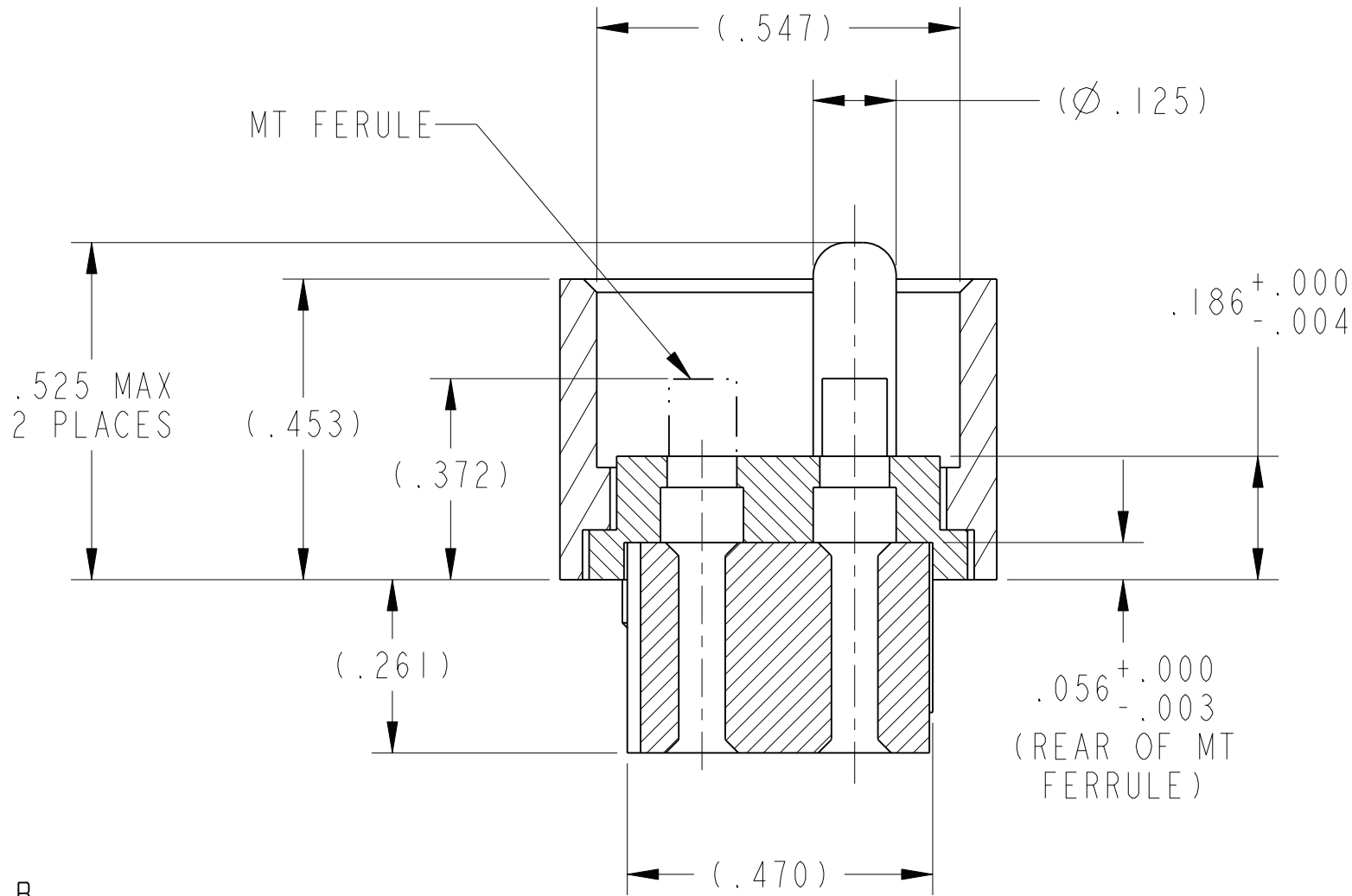
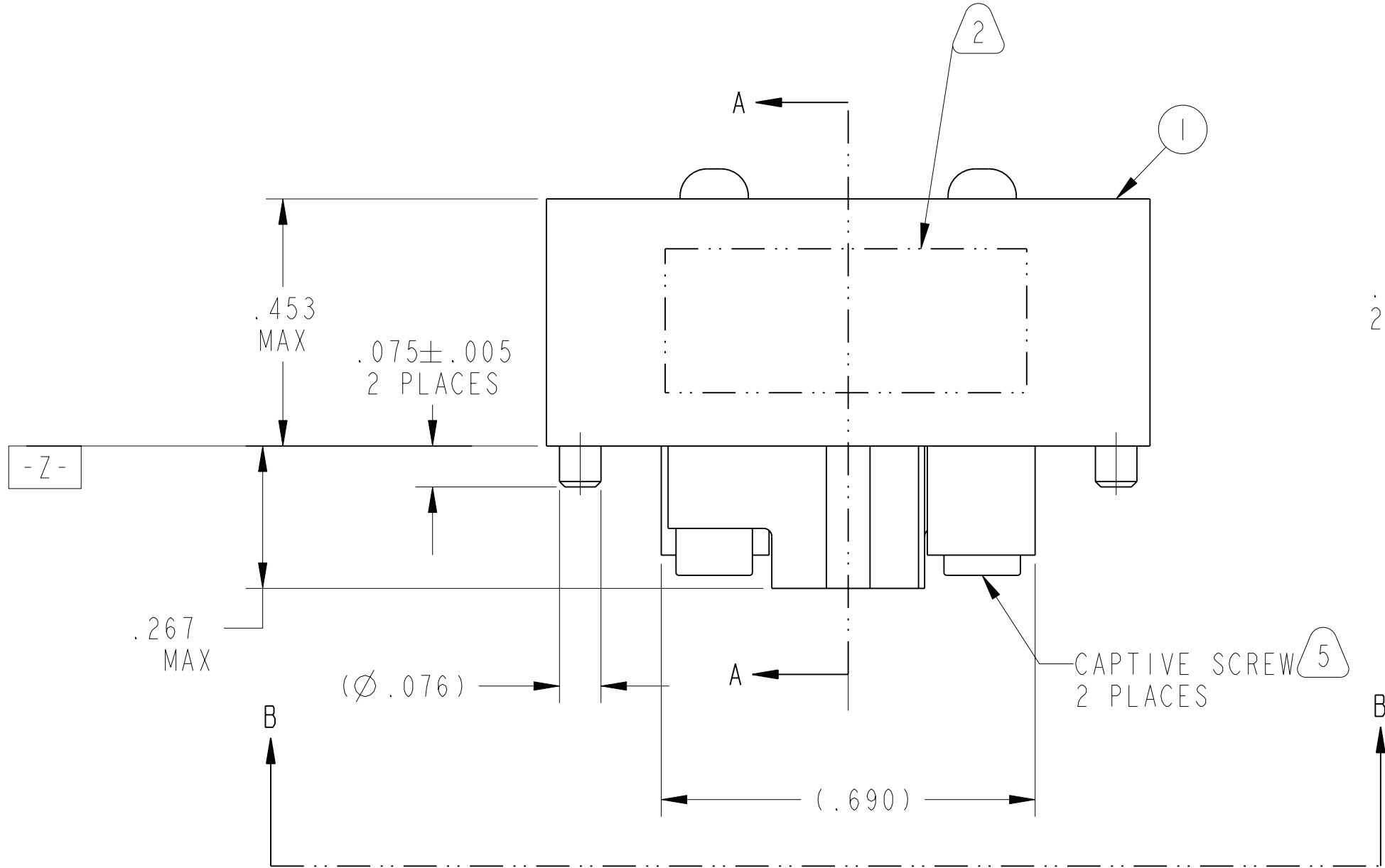
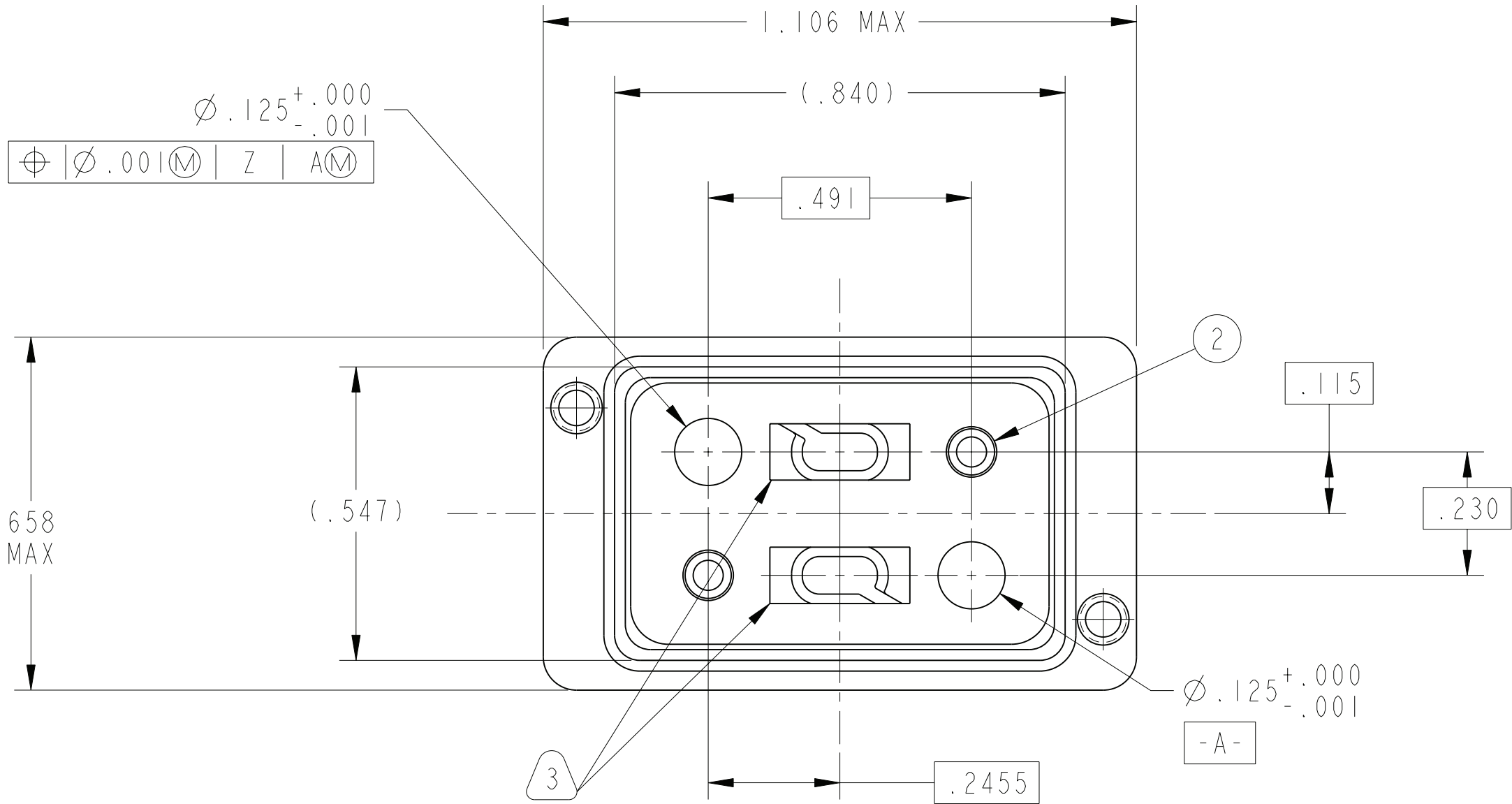
REAR EXPLODED ASSEMBLY VIEW

SCALE 3.000

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SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	10-504639-006	PA1
SCALE: 3.0	REF:	NA	SHEET 3 OF 3

10-504639-002		DOCUMENT NO.
REV. B	SHEET 1 OF 3	
REVISIONS		
LTR	DESCRIPTION	DATE
A	PRODUCTION RELEASE	5/10/11
B	CL(11) SEE CHANGE NOTICE ECN:B2377	1/13/12 RKC



SECTION A-A

NOTES: SEE SHEET 2

SCALE 4.000

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PRO/ENGINEER INFORMATION	
N/A	Pro/e Model Used:
N/A	10-504639-002.ASSEM
N/A	Drawing Name:
N/A	10-504639-002

UNLESS OTHERWISE SPECIFIED

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-DTL-31000;
OTHER Amphenol Sds. PER 9-3800
LEGENDS:
= FLAG NOTE CALL OUT
REFERENCE ONLY

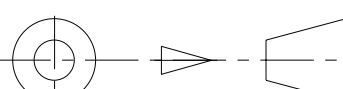
SPECIFICATIONS

MATERIAL SPEC.

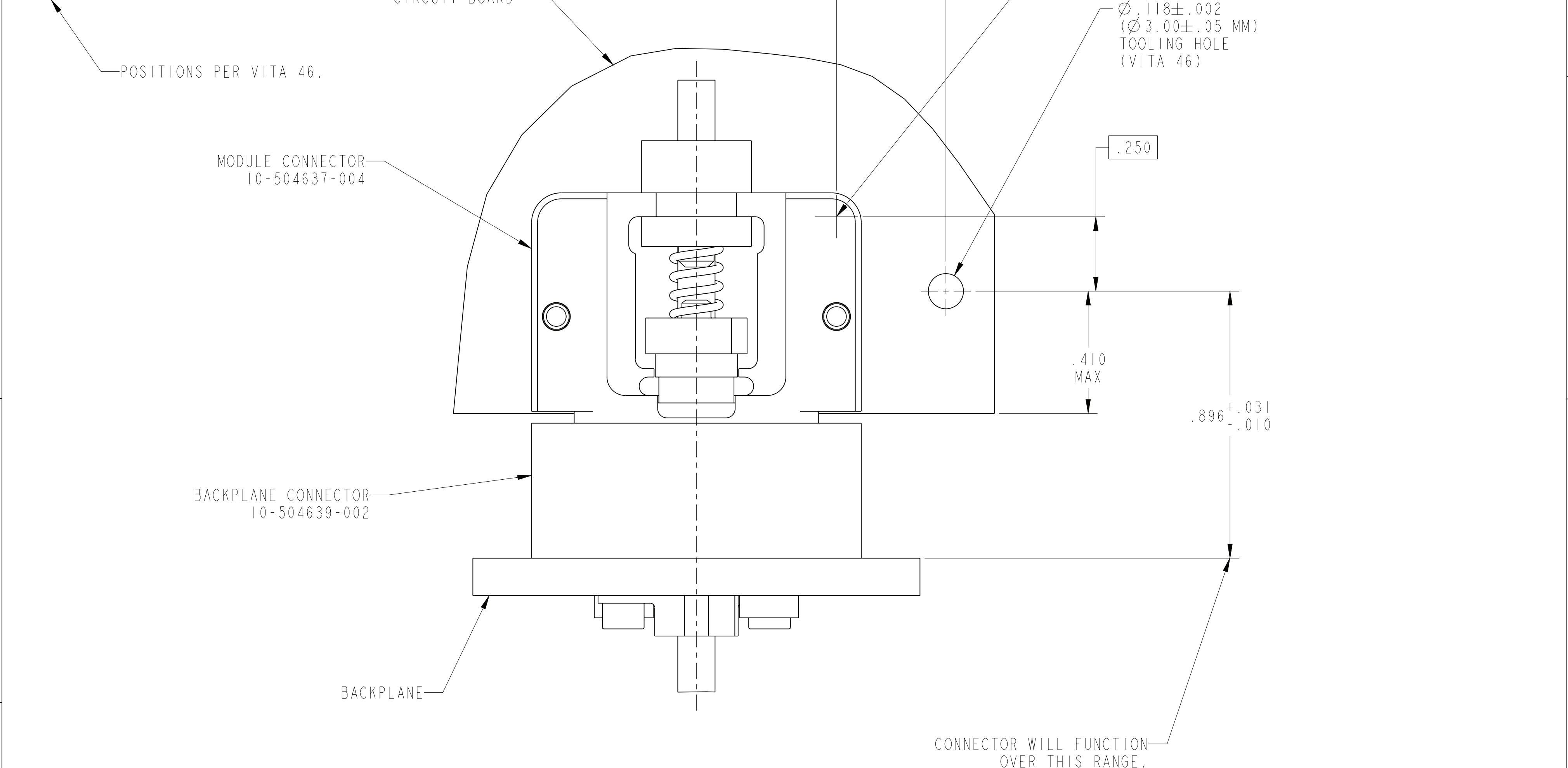
PROCESS SPEC.

9-3856-5
9-3895

2	I	10-504826-008	INSERT ASSEMBLY, FIBER OPTIC	
I	I	10-504640-002	SHELL, BACKPLANE	
POS	QTY	PART NUMBER	DESCRIPTION	NOTE

APPROVALS		DATE	PARTS LIST			
PREPARED BY R. CHAPMAN	E. HICKEY	11-May-09	AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838			
ENGINEER IN CHARGE			CONNECTOR, FIBER OPTIC, BACKPLANE, 2 MT			
DESIGN MANAGER						
DESIGN ACTIVITY GROUP LRM						
THIRD ANGLE PROJECTION			SIZE C	CAGE CODE 77820	DOCUMENT NO. 10-504639-002	REV. B
			SCALE: 3.0		REF: 10-504639-001	SHEET 1 OF 3

CONNECTOR LOCATION ON MODULE PCB	
POSITION	DIM "X" MM (INCH)
P2	53.73 (2.1154)
P3	96.55 (3.8012)
P4	125.35 (4.9350)
P5	154.15 (6.0689)
P6	182.95 (7.2028)



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CONNECTOR INSTALLATION ILLUSTRATION
AND MATED DIMENSIONS

SCALE 4.000

SIZE	CAGE CODE	DOCUMENT NO.	REV.
C	77820	10-504639-002	B
SCALE: 3.0		REF. 10-504639-001	SHEET 3 OF 3