

△1 SHELL & KEY RETENTION PLATE: ALUMINUM ALLOY  
LOCKING POST: STAINLESS STEEL PER ASTM B883  
SPRING: STAINLESS STEEL PER AISI 301  
SPRING SUPPORT, LOCKING POST SUPPORT, GROUND BLOCK RETENTION SCREW & CAPTIVE SCREW: STAINLESS STEEL PER AISI 303  
INSERT RETENTION CLIP, GROUND CONTACT RETENTION CLIP, GROUNDING CLIP, & GROUNDING SPRING: COPPER ALLOY PER ASTM B194  
SCREW RETENTION CLIPS: STAINLESS STEEL PER AISI 304  
INTERMEDIATE PLATE: COPPER ALLOY PER ASTM B103  
GROUND BLOCK INSULATOR & POLARIZATION KEY: PEI THERMOPLASTIC PER ASTM D5205  
PROTECTIVE COVER: THERMOPLASTIC ELASTOMER

△2 SHELL: ELECTROLESS NICKEL PER SAE AMS-C-26074, CLASS 1.  
INTERMEDIATE PLATE: ELECTROLYTIC NICKEL PER SAE AMS-QQ-N-290  
KEY RETENTION PLATE: ANODIZED, CLEAR  
GROUNDING CLIP: 1.27 $\mu$ m [50  $\mu$ in] MIN GOLD PER ASTM B488 OVER 1.25  $\mu$ m [50  $\mu$ in]  
MIN NICKEL PER SAE AMS-QQ-N-290  
GROUNDING SPRING: ELECTROLYTIC NICKEL PER SAE AMS-QQ-N-290

△3 DATE CODE – YEAR & WEEK (YY WW)

△4 4-40 CAPTIVE SCREWS ON KEY RETENTION PLATE  
RECOMMENDED LOCKING TORQUE: 0.8 N.m [7in-lb]

△5 6-32 SCREWS ARE REQUIRED FOR PANEL MOUNTING (NOT INCLUDED)  
RECOMMENDED LOCKING TORQUE: 1.6 N.m [14 in-lb]

△6 THREADED HOLES ARE SELF-LOCKING, HAVING THE SPIRALOCK® THREAD FORM.  
SPIRALOCK® IS A REGISTERED TRADEMARK OF SPIRALOCK CORPORATION.

△7 THE POLARIZATION KEYS & RETENTION PLATE ARE SHIPPED UNASSEMBLED.

△8 SHELL CAVITY FOR GPRA SERIES INSERTS WITH KEYING CODE A.

△9 CAVITIES FOR GROUNDING CONTACTS PER M39029/1-101, QTY: 18

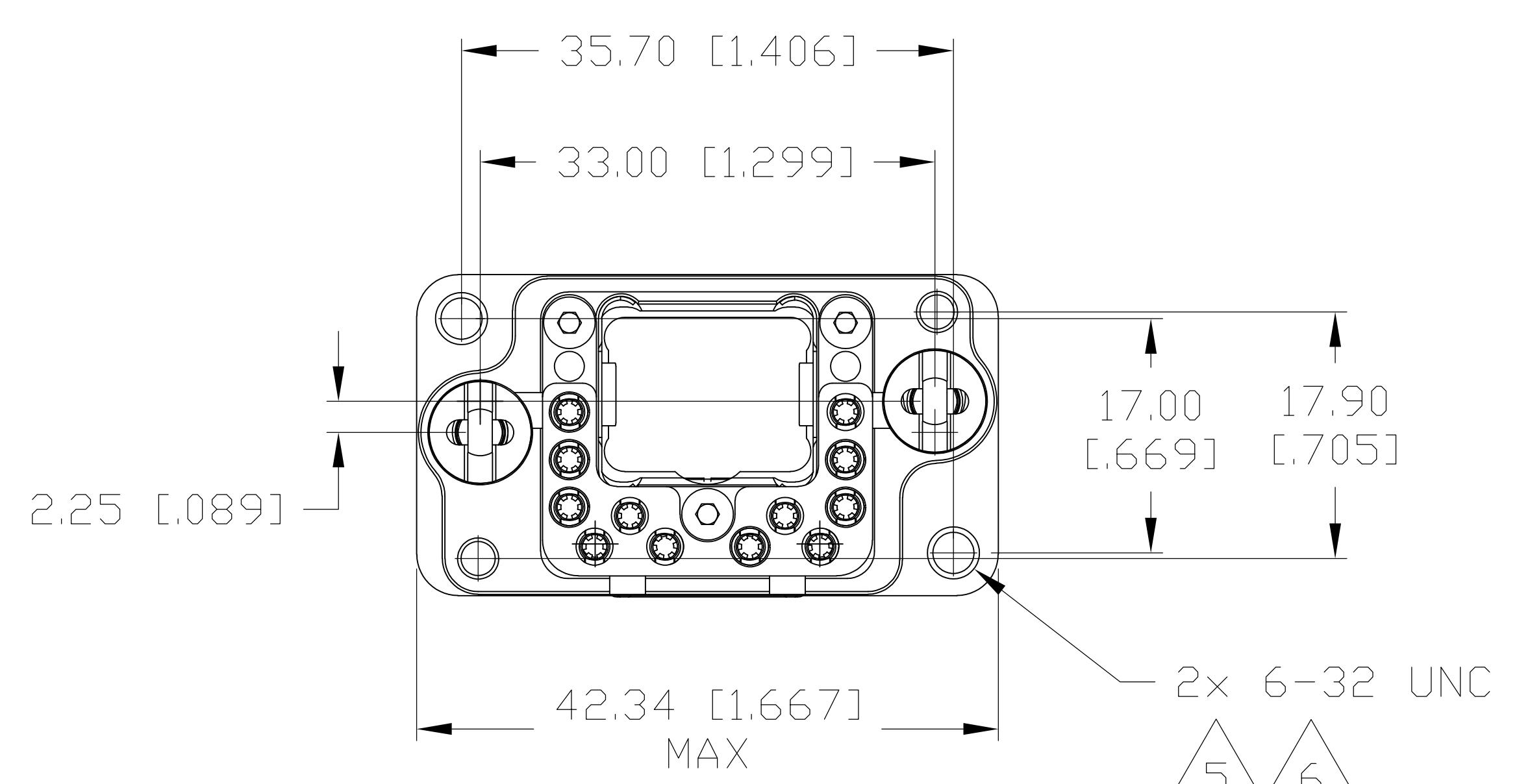
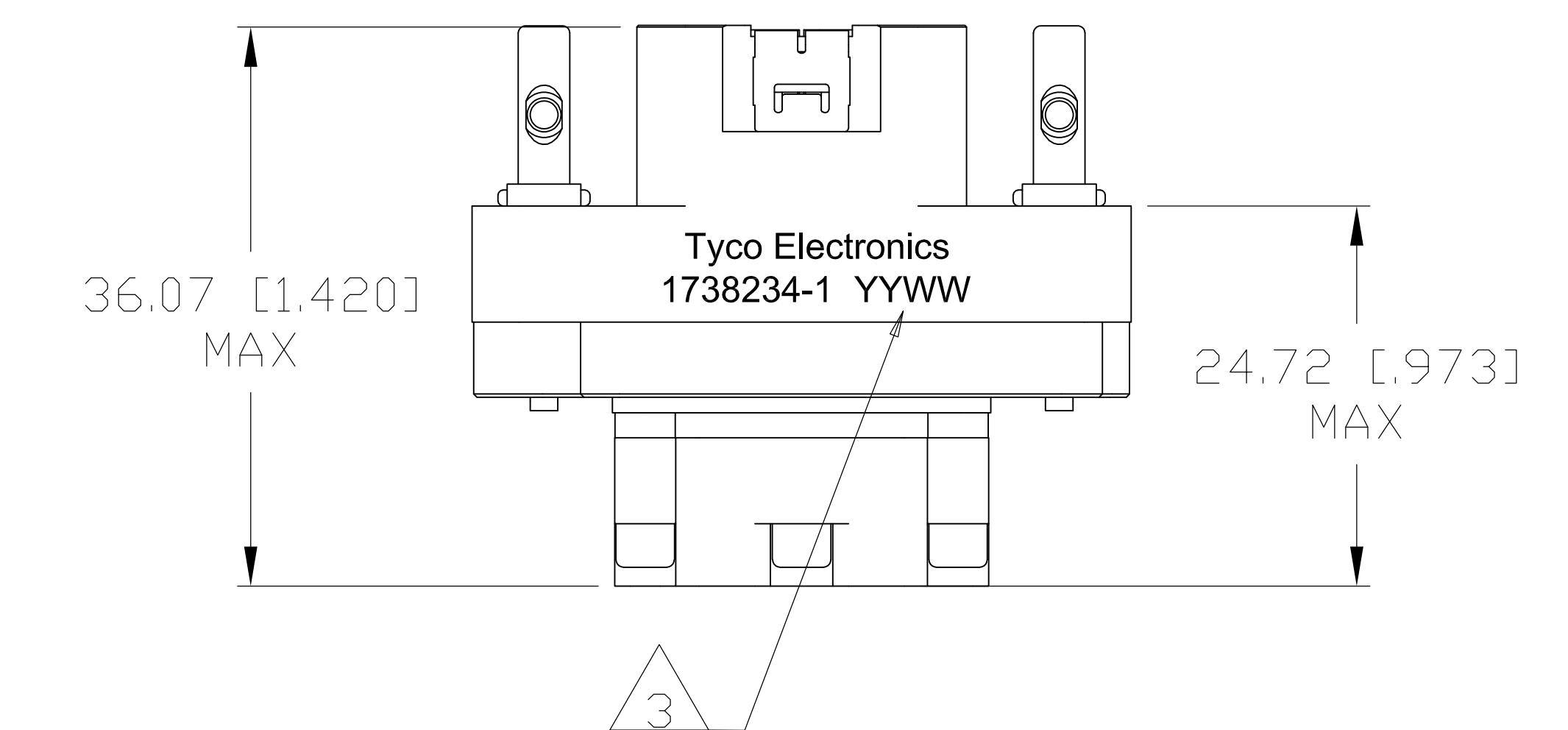
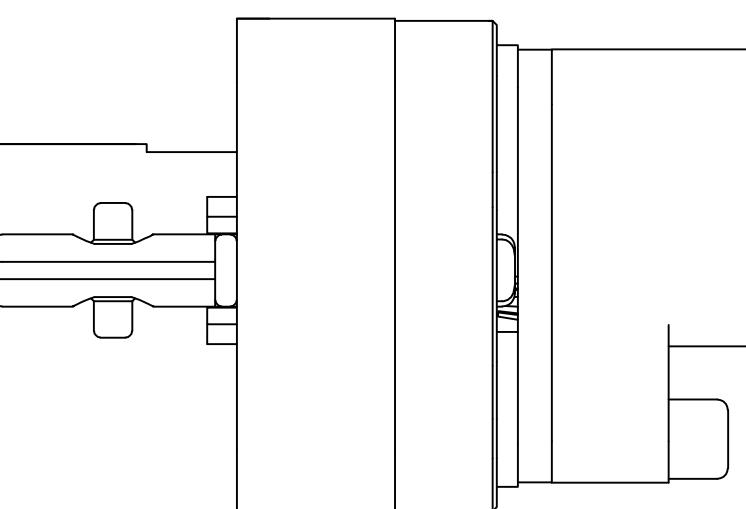
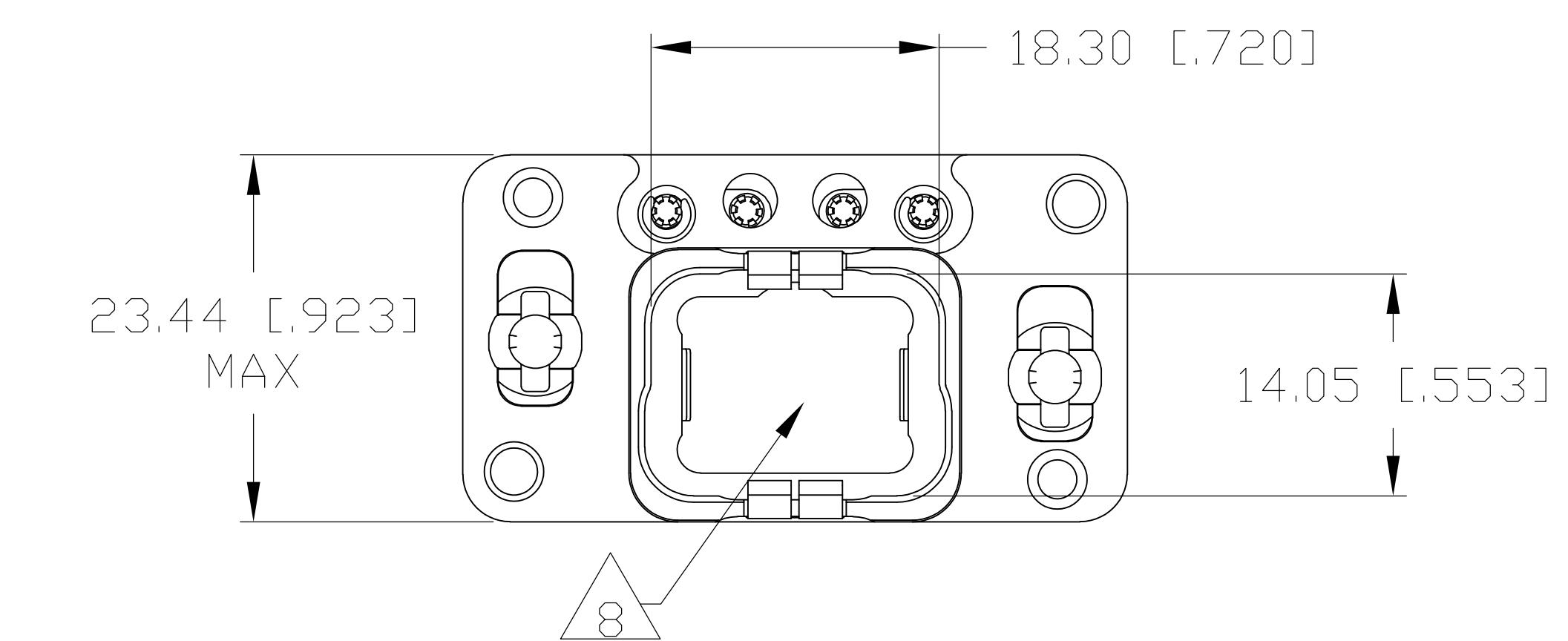
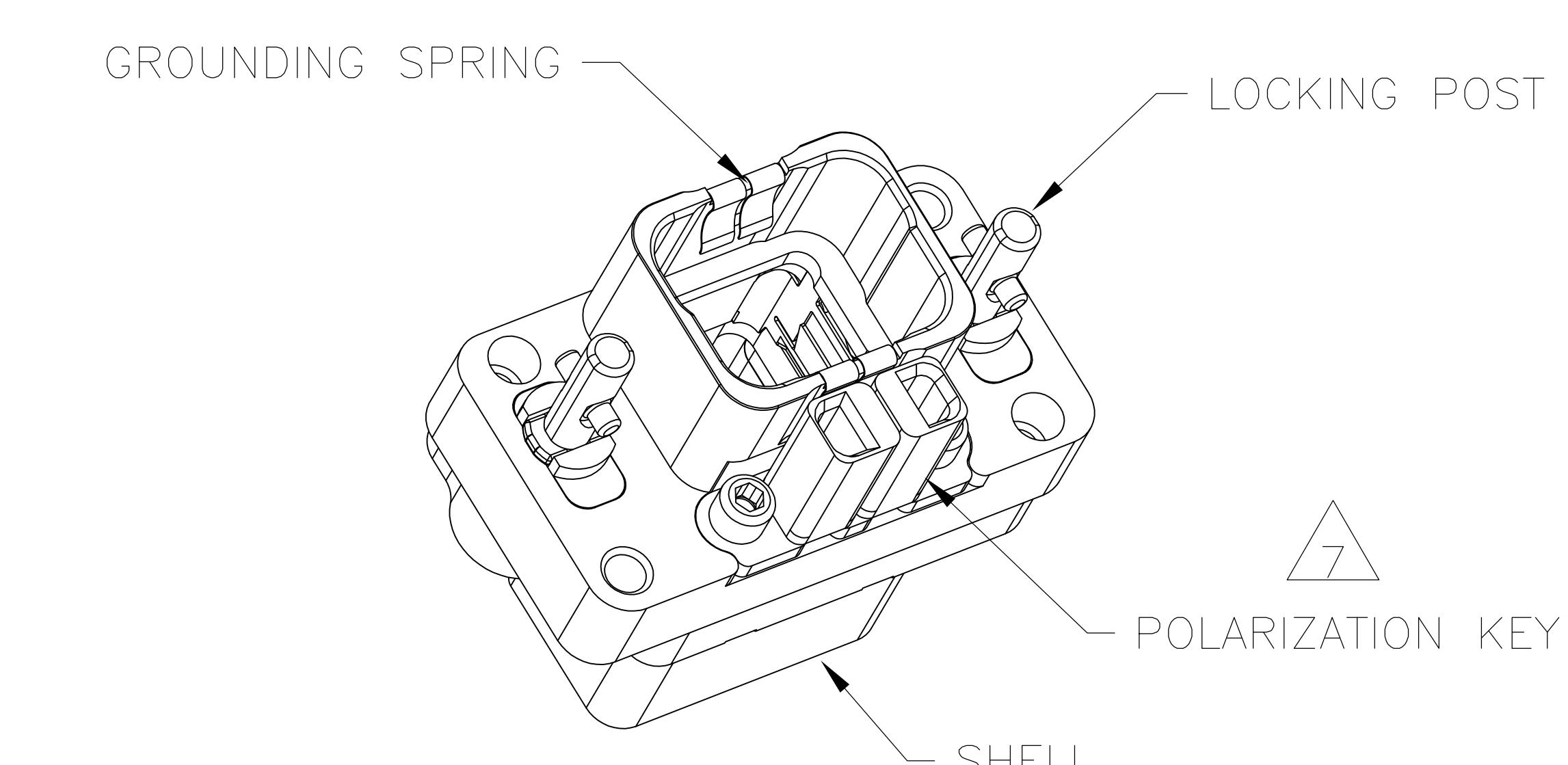
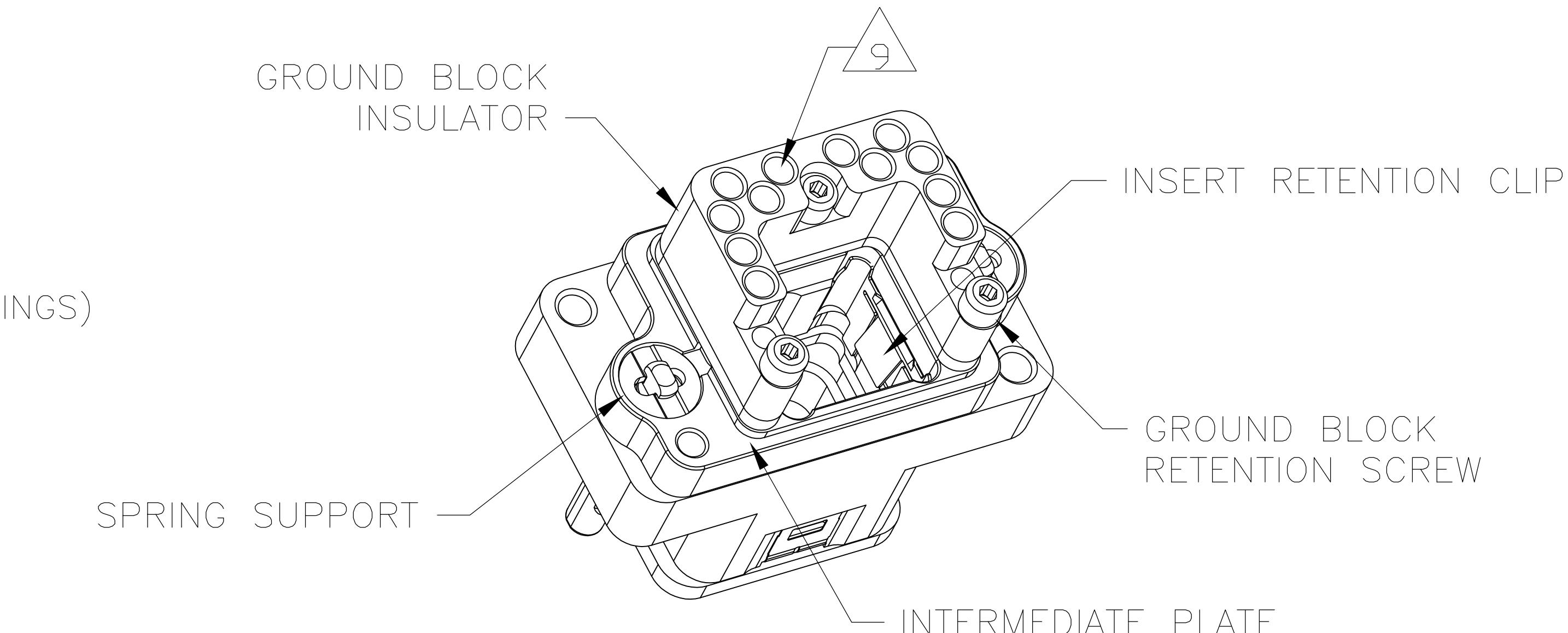
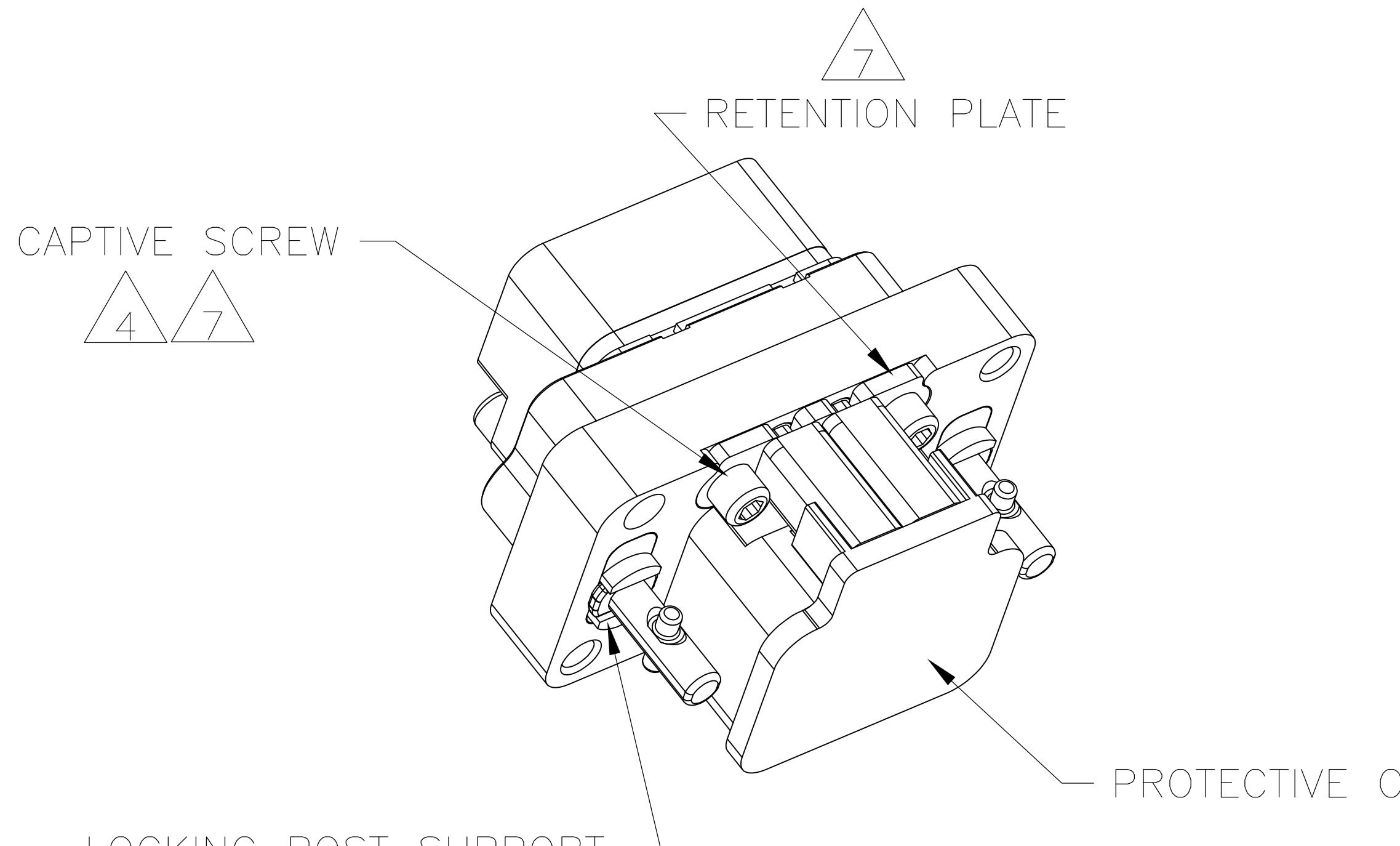
△10 DATUMS ESTABLISHED BY CUSTOMER.

△11 BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

12. DESCRIPTIVE PART NUMBER: GPRA1ZM04N  
SERIES: GPRA

SHELL SIZE: 1 (SINGLE-CAVITY SHELL)  
SHELL STYLE: Z (RECEPTACLE WITH GROUND BLOCK AND GROUNDING SPRINGS)  
MODIFICATION CODE: M (TWO 6-32 UNC MOUNTING HOLES)  
LOCKING DEVICE: 0 (QUARTER-TURN FASTENER)  
POLARIZATION CODE: 4 (KIT, WITH POLARIZING HARDWARE UNASSEMBLED)  
SHELL PLATING: N (NICKEL PLATING)

13. THIS PRODUCT IS SOLD BY TYCO ELECTRONICS  
UNDER A LICENSE FROM RADIALL SA.



THIS PRINT IS  
**PRELIMINARY**  
UNQUALIFIED PRODUCT  
CONTACT PRODUCT ENGINEERING  
BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT.

REF FLAG	APR04	Tyco Electronics Corporation	
DRWGS	04/04	Horsham, Pa 19044-3628	
APPROV	APPROVED		
APPROV DATE	04/04		
PRODUCT SPEC	UNASSEMBLED SHELL WITH GROUND BLOCK, WITH GROUNDING SPRINGS, WITH POLARIZING HARDWARE GPRA		
APPLICATION SPEC			
MATERIAL	△	FINISH	
WEIGHT			

1738234-1  
PART NUMBER

REVISIONS

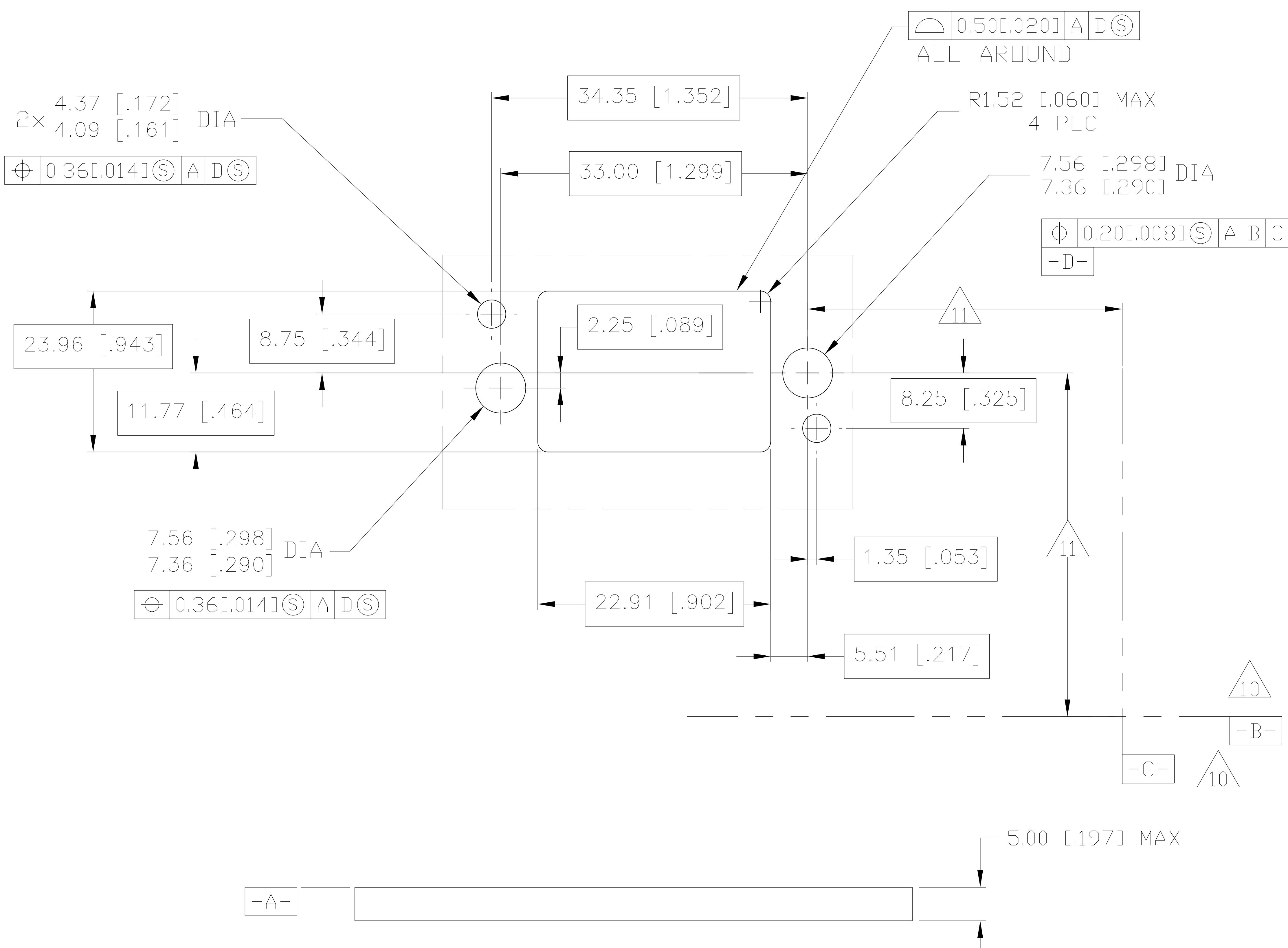
0	CONVERTED RADIALL DWG TO TYCO ACAD DWG	04/04	—
1	REVISED	25FEB10	RF
2	REVISED	08APR10	RF

SIZE: A0 CAGE CODE: 00779 DRAWING NO: C-1738234 RESTRICTED TO: —

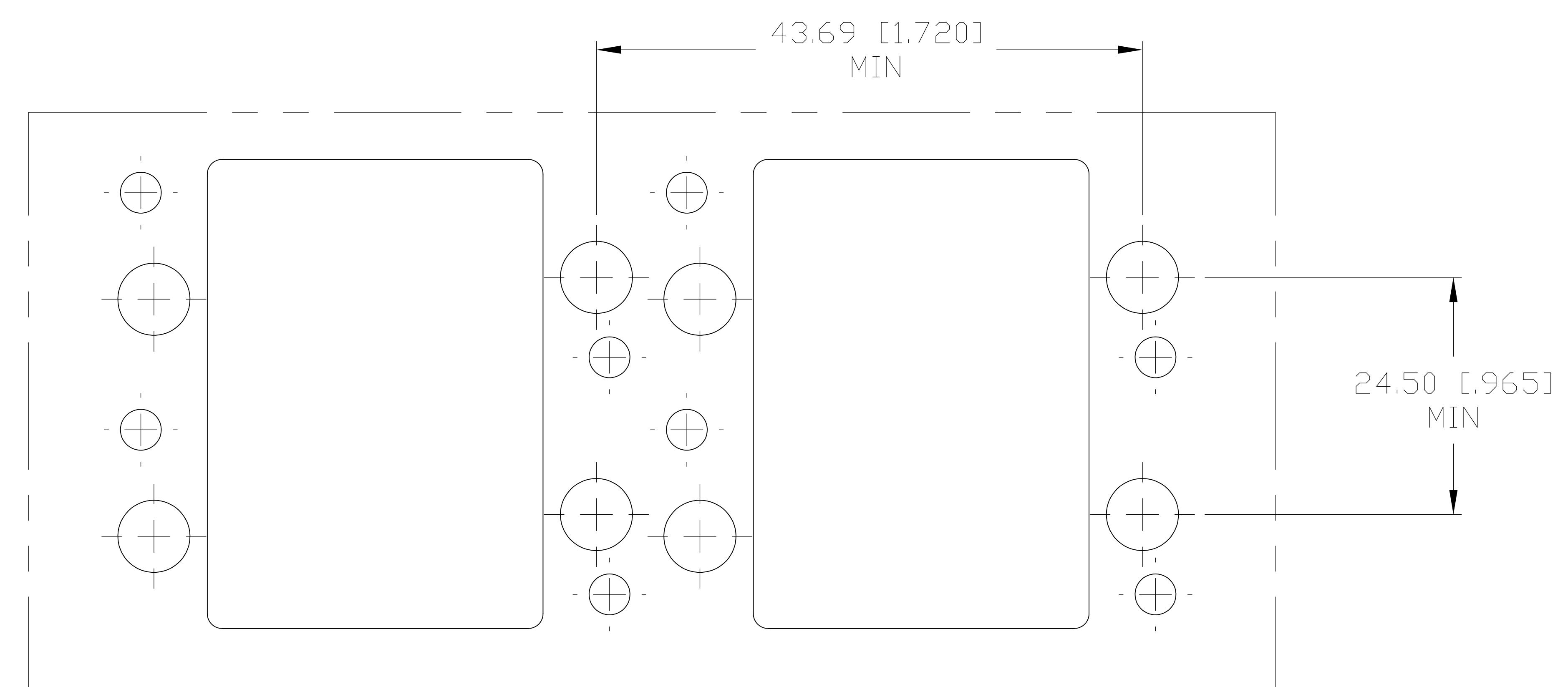
CUSTOMER DRAWING: —

SCALE: 1:1 SHEET: 1 OF 2 REV: 2

PRELIMINARY



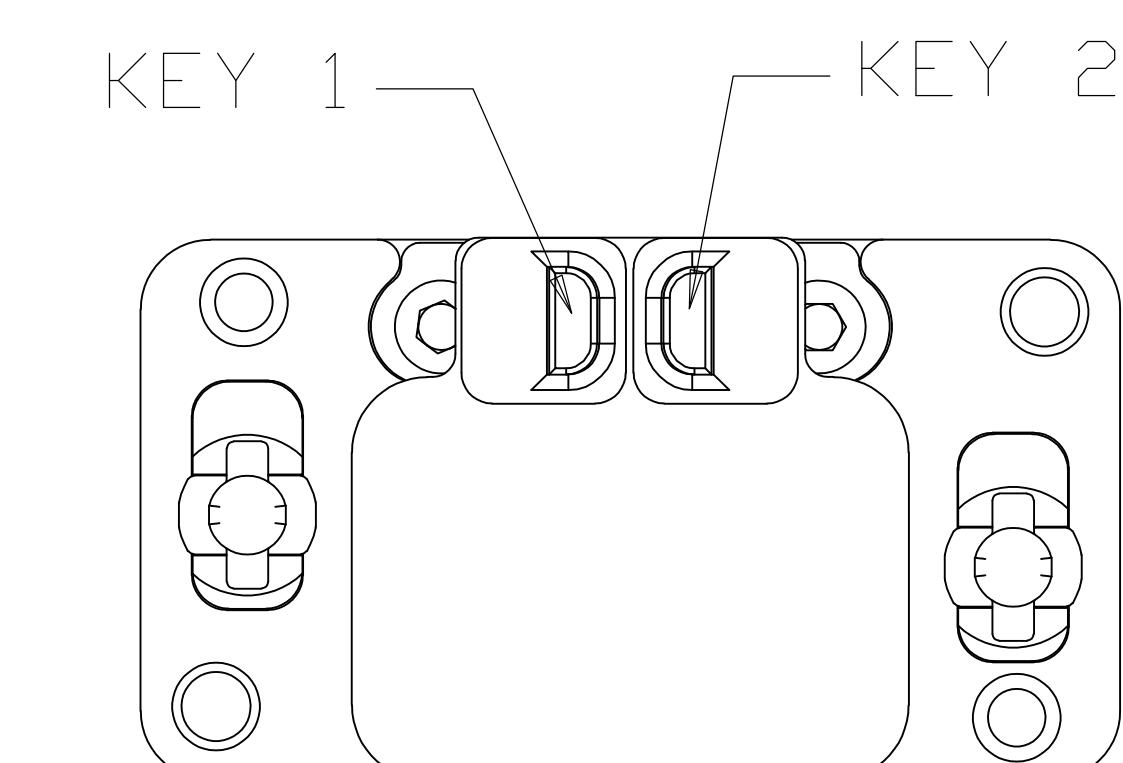
# RECOMMENDED PANEL CUTOUT – COMPONENT SIDE



# MULTIPLE PANEL CUT-CUT



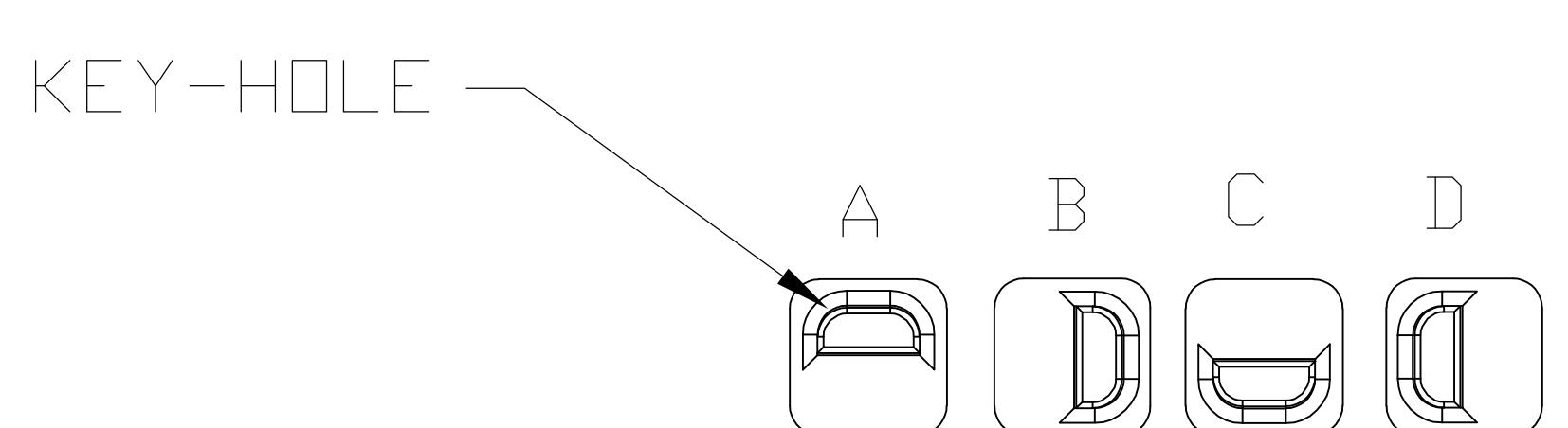
CODE NUMBER	KEY 1	KEY 2
01	A	A
02	D	A
03	C	A
04	B	A
05	A	D
06	D	D
07	C	D
08	B	D
09	A	C
10	D	C
11	C	C
12	B	C
13	A	B
14	D	B
15	C	B
16	B	B



CODE NUMBER 08 SHOWN: B-D

POLARIZATION KEY 1  POLARIZATION KEY 2

# RECEPTACLE CONNECTOR POLARIZATION



# KEY-HOLE E ORIENTATION

HIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R FLAIG CHK J MOSIER	APR04 APR04	 <b>Tyco Electronics</b> Tyco Electronics Corporation Harrisburg, Pa 17105-3608		
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J MOSIER	APR04			
	0 PLC	± -	PRODUCT SPEC	NAME RECEPTACLE SHELL KIT, WITH GROUND BLOCK, WITH GROUNDING SPRINGS, WITH POLARIZING HARDWARE GPRA		
	1 PLC	± -				
	2 PLC	± 0.13 [.005]	—			
	3 PLC	± -	APPLICATION SPEC			
	4 PLC	± -				
ANGLES	± -	—				
TERIAL	FINISH	WEIGHT	A0 00779 C-1738234	RESTRICTED TO		
				—		
1	2	CUSTOMER DRAWING		SCALE 1:1	SHEET 2 OF 2	REV 2

# Mouser Electronics

Authorized Distributor

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