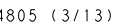
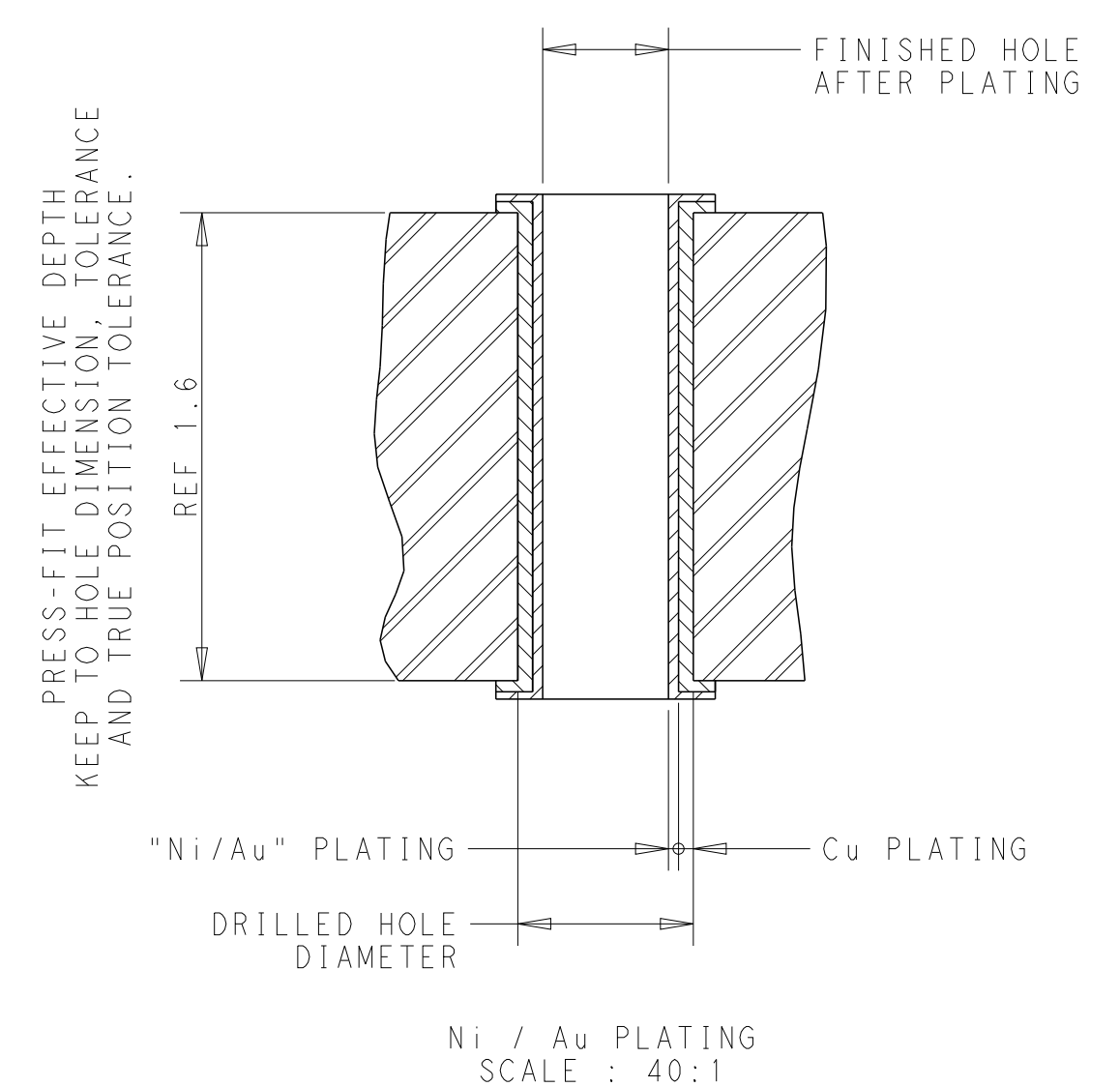
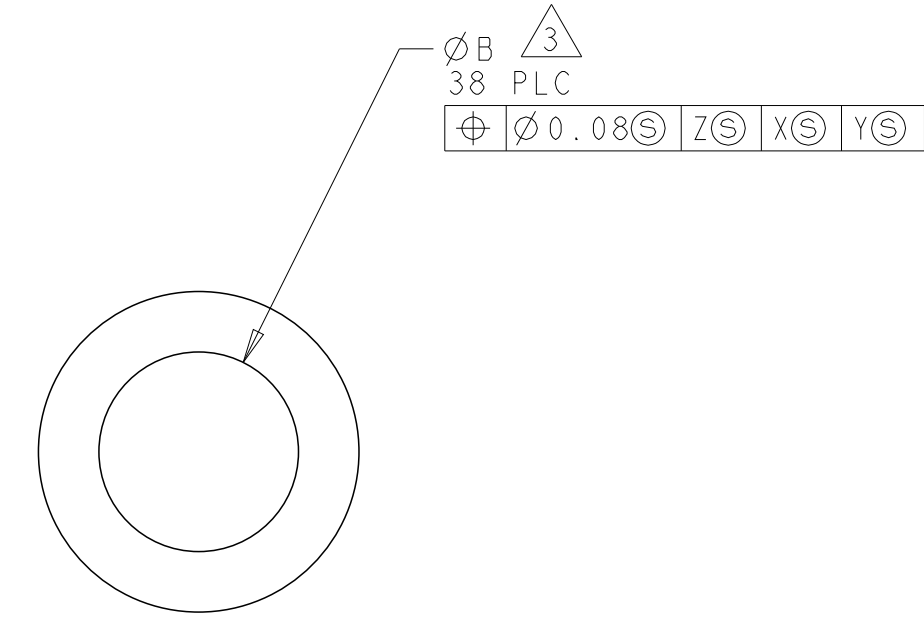
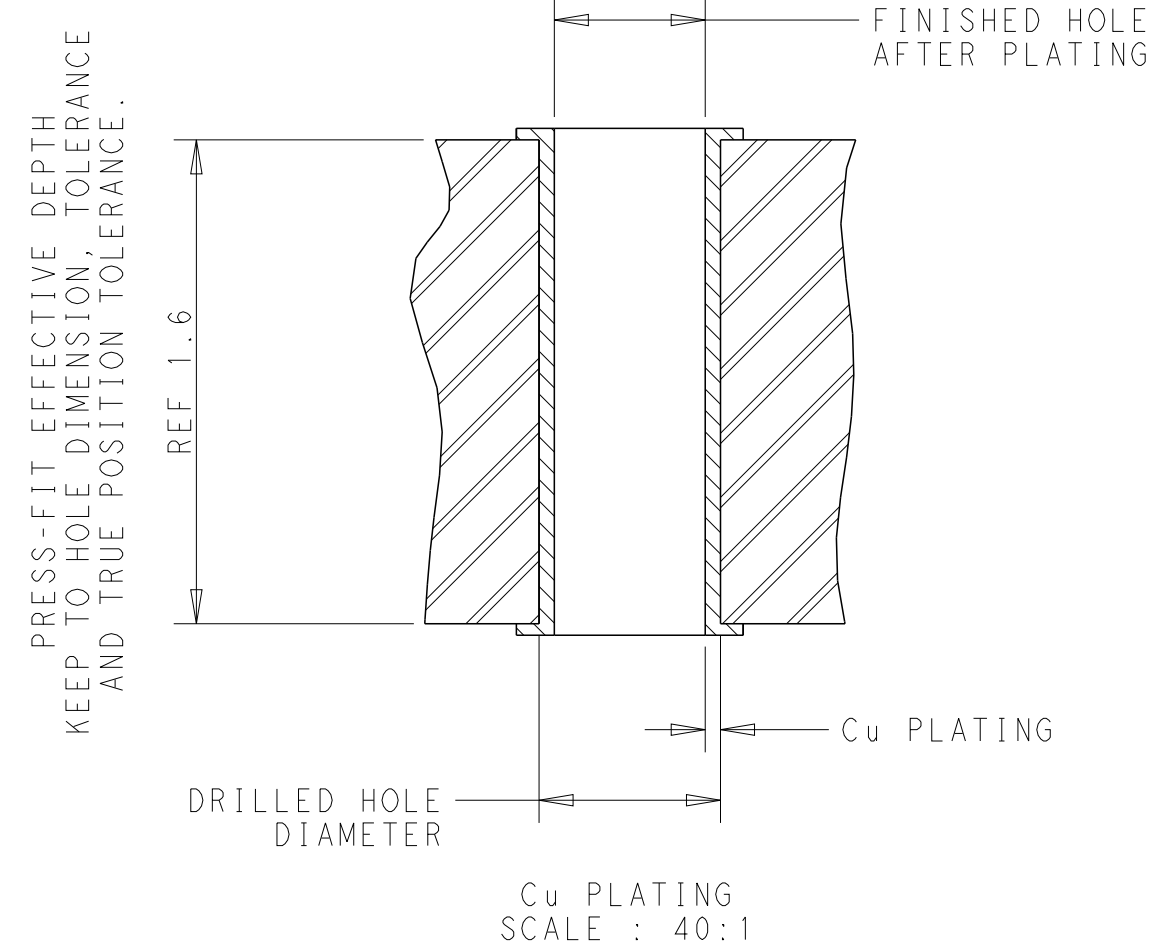
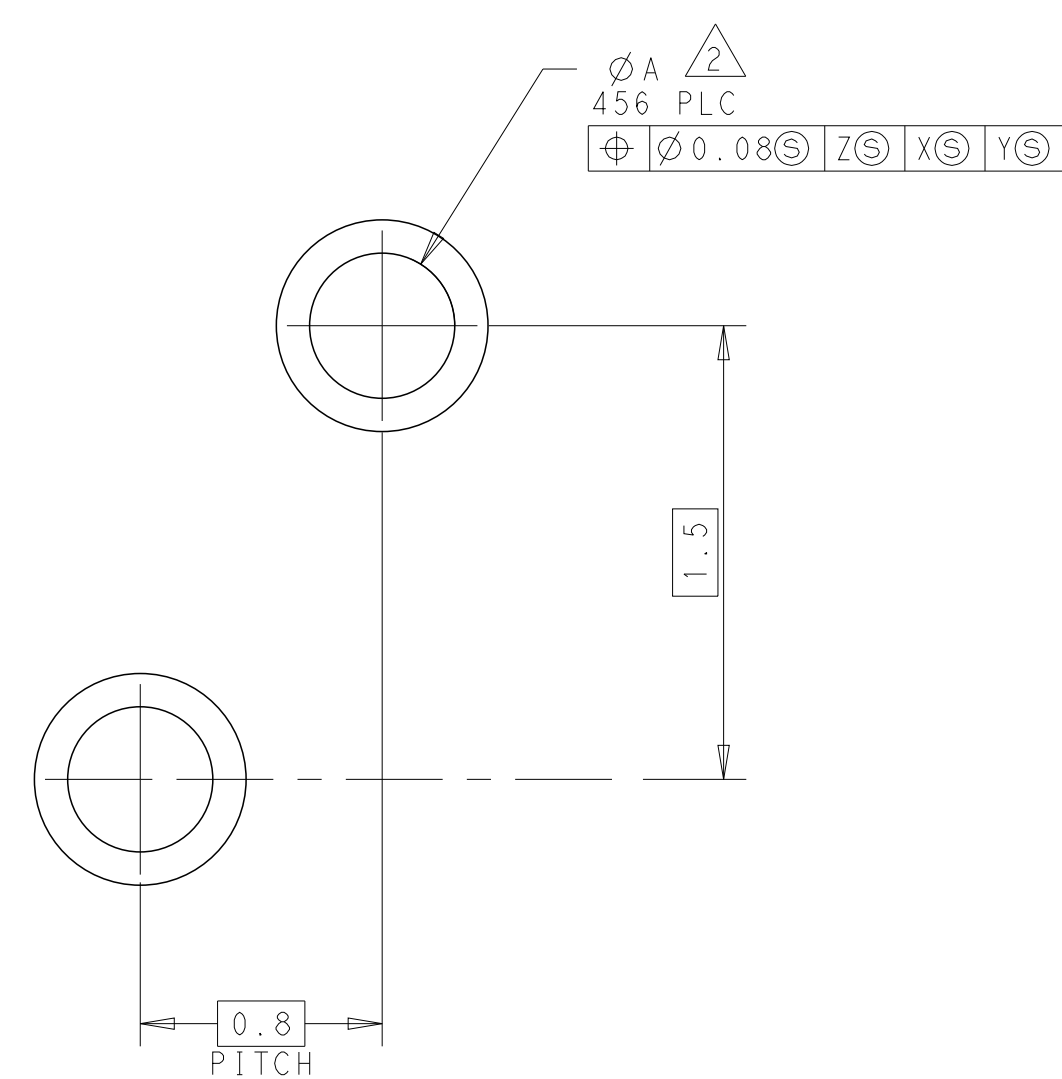
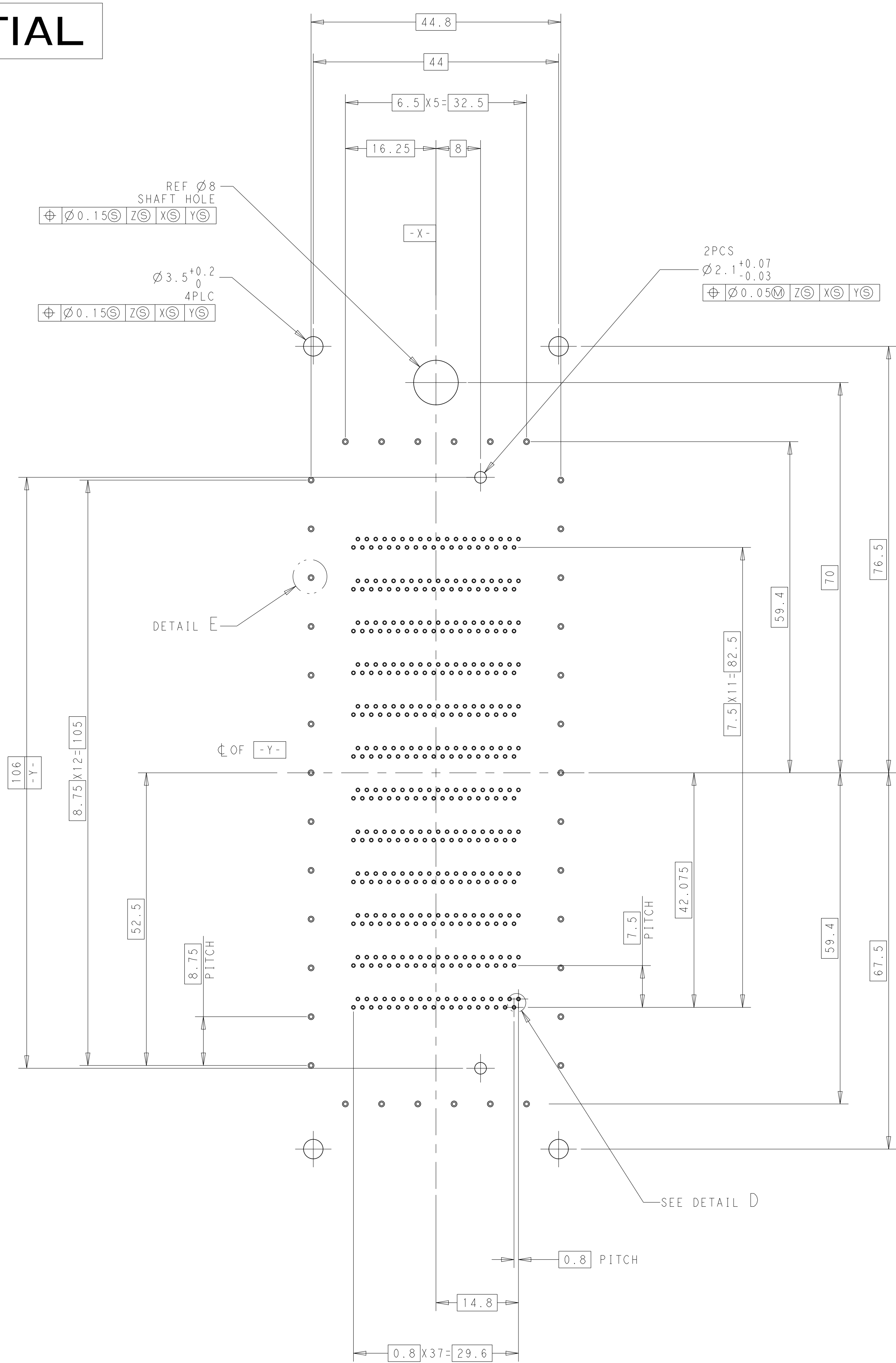


[illegible]

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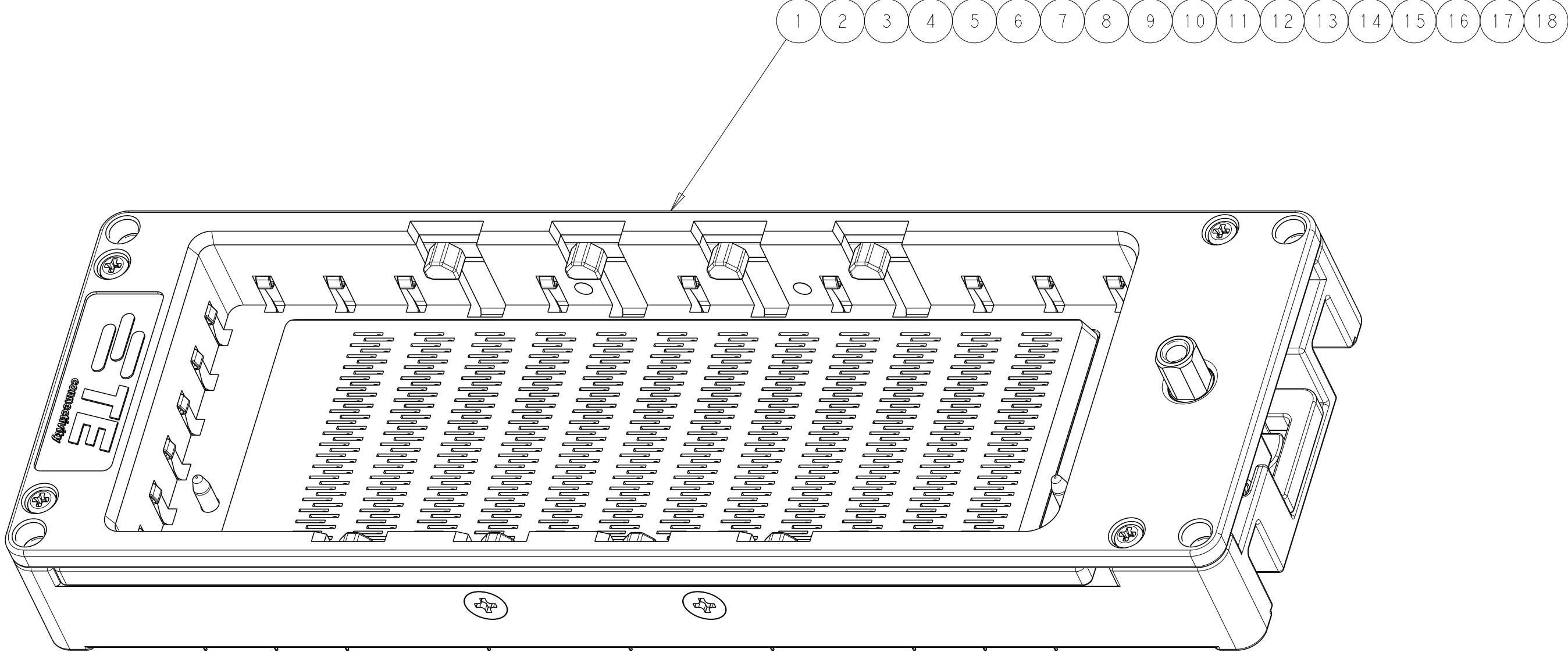
1. PCB SPECIFICATION
MATERIAL : FR4(REF)
THICKNESS : 1.6mm MINIMUM
2. PLATED THROUGH HOLE ØA
COPPER PLATING TYPE
COPPER FINISHED T,H DIA : REF Ø0.48 (Ø0.48±0.05)
DRILL HOLE DIA : Ø0.56±0.02
COPPER PLATING : 0.038±0.013
Au PLATING TYPE
Au FINISHED T,H DIA : REF Ø0.48 (Ø0.48±0.05)
DRILL HOLE DIA : Ø0.56±0.02
COPPER PLATING : 0.038±0.013
Ni PLATING : 0.00127 TO 0.0026mm
Au PLATING : 0.0001 TO 0.0005mm
3. PLATED THROUGH HOLE ØB
COPPER PLATING TYPE
COPPER FINISHED T,H DIA : REF Ø0.66 (Ø0.66±0.05)
DRILL HOLE DIA : Ø0.74±0.025
COPPER PLATING : 0.038±0.013
Au PLATING TYPE
Au FINISHED T,H DIA : REF Ø0.66 (Ø0.66±0.05)
DRILL HOLE DIA : Ø0.74±0.025
COPPER PLATING : 0.038±0.013
Ni PLATING : 0.00127 TO 0.0026mm
Au PLATING : 0.0001 TO 0.0005mm

RECOMMENDED PCB LAYOUT
CONNECTOR TOP VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN T.SASAKI 11MAR2014	TE Connectivity	
DIMENSIONS: mm		CHK M.KIMURA 11MAR2014		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.KIMURA 11MAR2014	NAME SVP	RESTRICTED TO
	0-PLC ±0.3	PRODUCT SPEC	108-140047	
	1-PLC ±0.5	APPLICATION SPEC	114-5518	
	2-PLC ±0.13	FINISH	±1.0	
MATERIAL SEE SHEET 3 TABLE	SEE SHEET 3 TABLE	WEIGHT 308 g	SIZE A1	CAGE CODE C=2822650
CUSTOMER DRAWING		Scale 2:1	SHEET 2 OF 7	REV J1

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REVISITONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



- 4

WHEN ROTATE A LEVER 90 ± 10 DEGREES,THERE NEEDS TO BE A FEELING OF A CLICK.
WHEN MATING WITH PLUG ASSY
LEVER OPERATING TORQUE : $70\text{cN}\cdot\text{m}$ MAX.
- 5

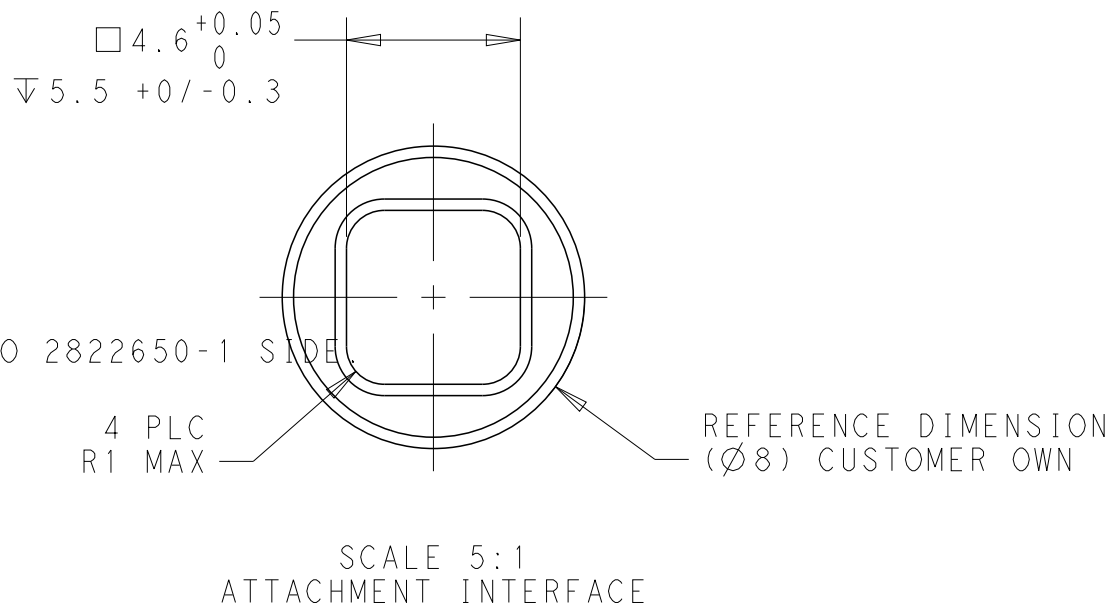
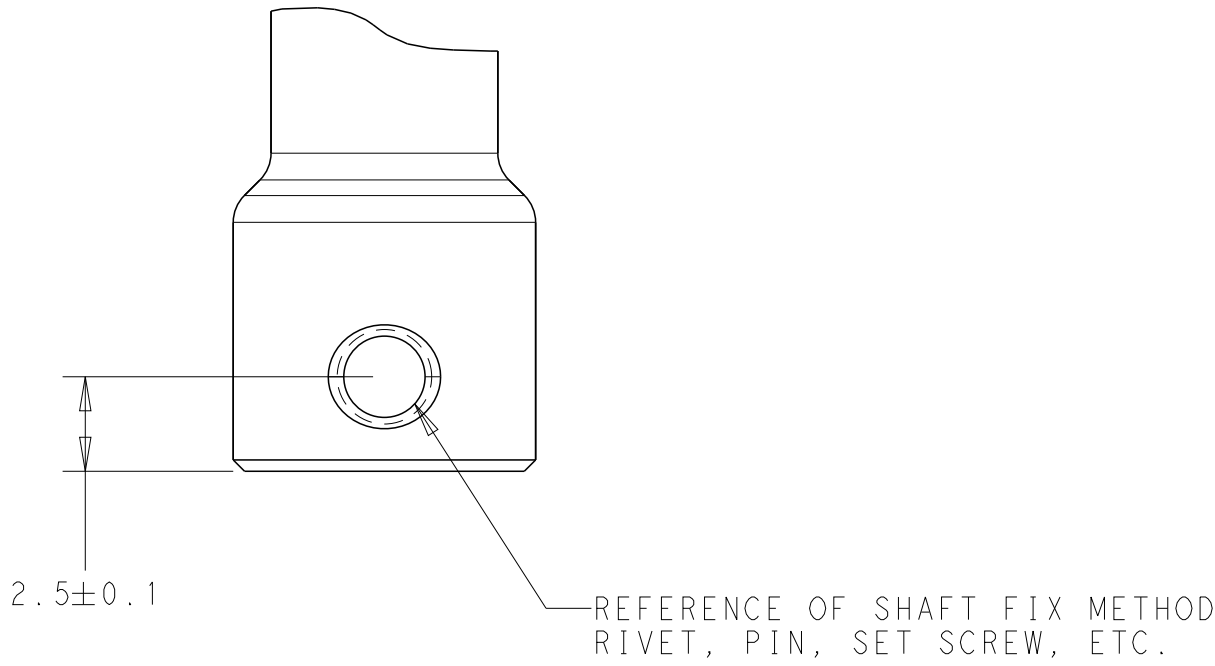
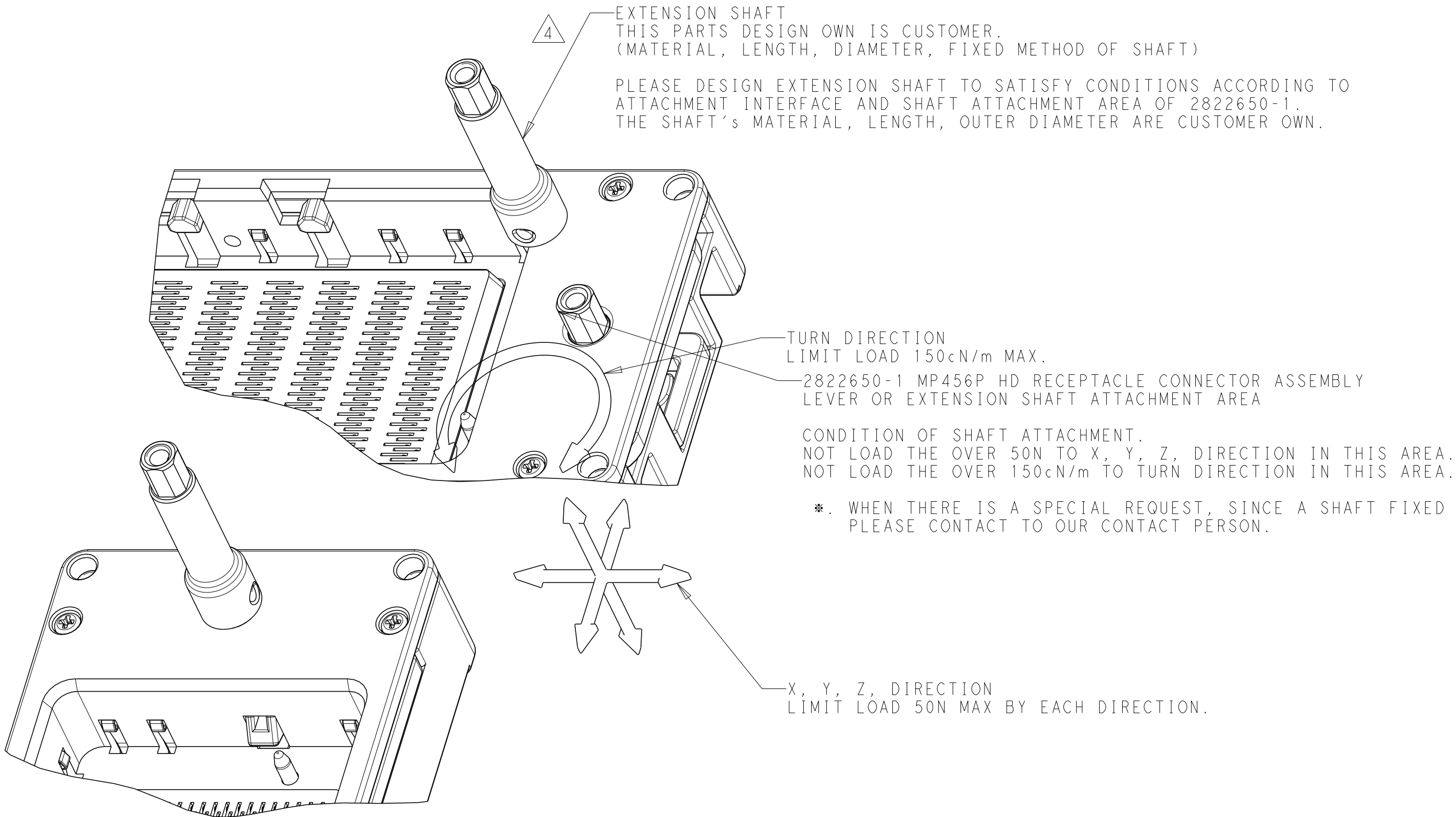
DIELECTRIC WITHSTAND VOLTAGE : 500VAC ,CURRENT LEAKAGE 0.5mA , 2sec
DISCONTINUITY TEST, TEST CONDITION : VOLTAGE 5VDC , 2sec .
LEVER ANGLE : 90 ± 10 (LOCK AND CONNECT COMPLETE STATE)
- 6

STAMP A DATE CODE : YYWWD *
(* IS LATEST PART REVISION. REF:PART REVISION IS A. YYWWD A)
- 7

M3 SCREWS TO BE MOUNTED USING TORQUE DRIVER.
TORQUE : REFER TO $0.315\text{N}\cdot\text{m}$
- 8

USED MATERIAL AND FINISH ARE ON THE TABLE OF SHEET 3.
- 9

PCB MOUNT M3.0 SCREW AND PCB, PCB ASSEMBLY ARE CUSTOMER OWN COMPONENT.
THESE CUSTOMER OWN COMPONENT SHOULD MEET TE RECOMMENDATION FOR CONNECTOR ASSEMBLY.

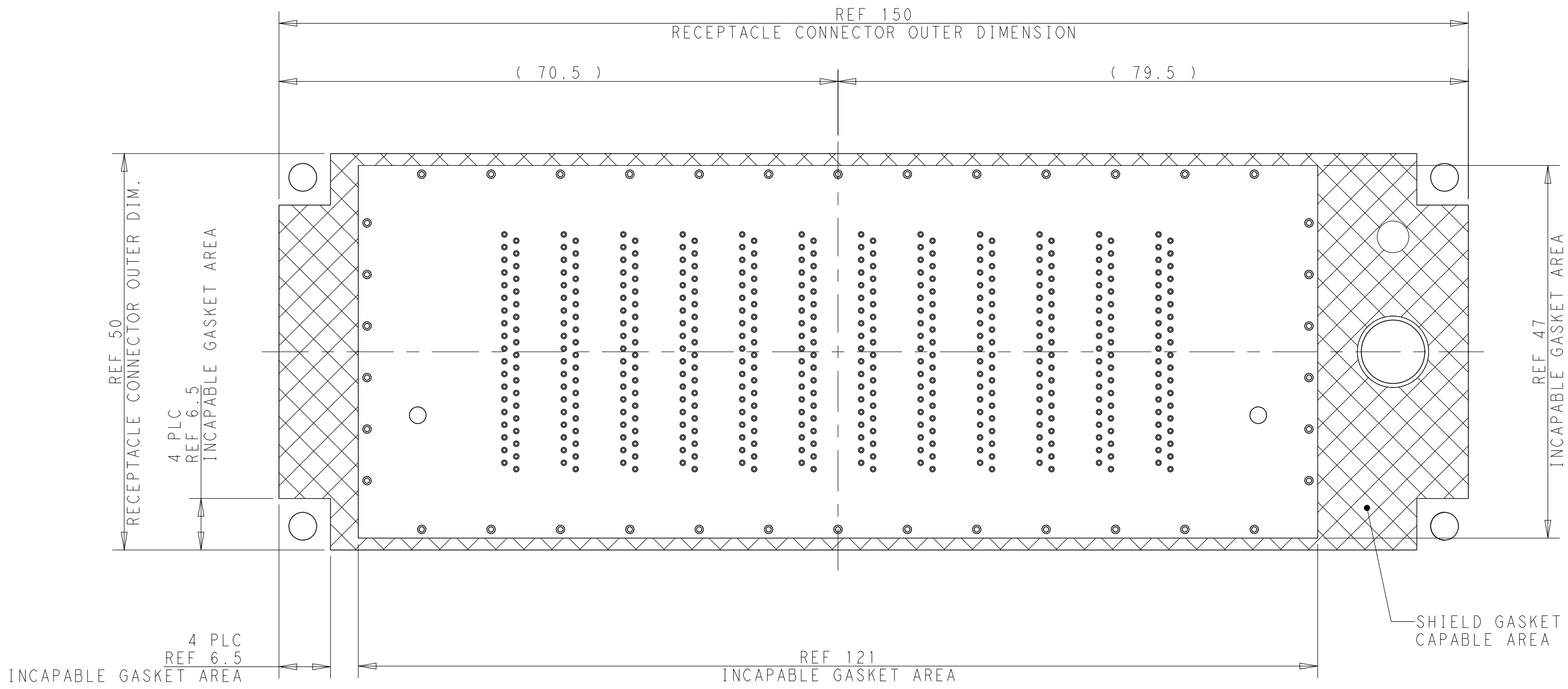


4	SUS / Alok	M2.5x4 FLAT HEAD SCREW WITH ALOK	18
AR	LUBRICANT GREASE	-	17
AR	LUBRICANT OIL	-	16
4	SUS / Alok	M2.0x0.4 L6 SHALLOW HEAD SCREW	15
1	MISUMI BSZF3 OR EQUIVALENT PRODUCT	BALL PRANGER	14
1	SUS	LOCK BLOCK SPRING	13
1	SUS MIM	SHAFT LOCK BLOCK	12
2	SUS	POST PIN	11
1	Zn ALLOY DIE-CAST FINISH : Ni PLATING	UPPER SHELL	10
1	Zn ALLOY DIE-CAST FINISH : Ni PLATING	LOCK PLATE	9
1	LCP GF10	UPPER HOUSING	8
1	PA9T GF30	LIFT PLATE	7
1	SUS MIM	CAM SHAFT	6
1	PA9T GF30	SLIDE PLATE	5
27	PH BRONZE FINISH : Au, Ni PLATING	SHIELD FINGER	4
12	LCP GF10	CONTACT HOUSING	3
456	COPPER ALLOY FINISH : Au, Ni PLATING	RECEPACLE CONTACT	2
1	Zn ALLOY DIE-CAST FINISH : Ni PLATING	BASE HOUSING	1
QTY	MATERIAL	NAME	ITEM NO

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN T.SASAKI	11MAR2014		 TE Connectivity	
DIMENSIONS: mm			CHK M.KIMURA	11MAR2014			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:			NAME SVP	RECEPTACLE CONNECTOR 456P RECEPTACLE ASSEMBLY BEEHIVE I/O CONNECTOR SERIES		
	一般公差 ± 0.3						
	0-PLC	+0 -0.3					
	1-PLC	+0.5					
	2-PLC	+1					
	3-PLC	+0.5 -0.3					
4-PLC	+0 -0.001						
ANGLES °			+1.0				
FINISH			WEIGHT		RESTRICTED TO		
SEE SHEET 3 TABLE			308 g		-		
CUSTOMER DRAWING			DRAWING NO		-		
			A1		C=2822650		
			SCALE		2:1		
			SHEET		3		
			OF		7		
			REV		J1		

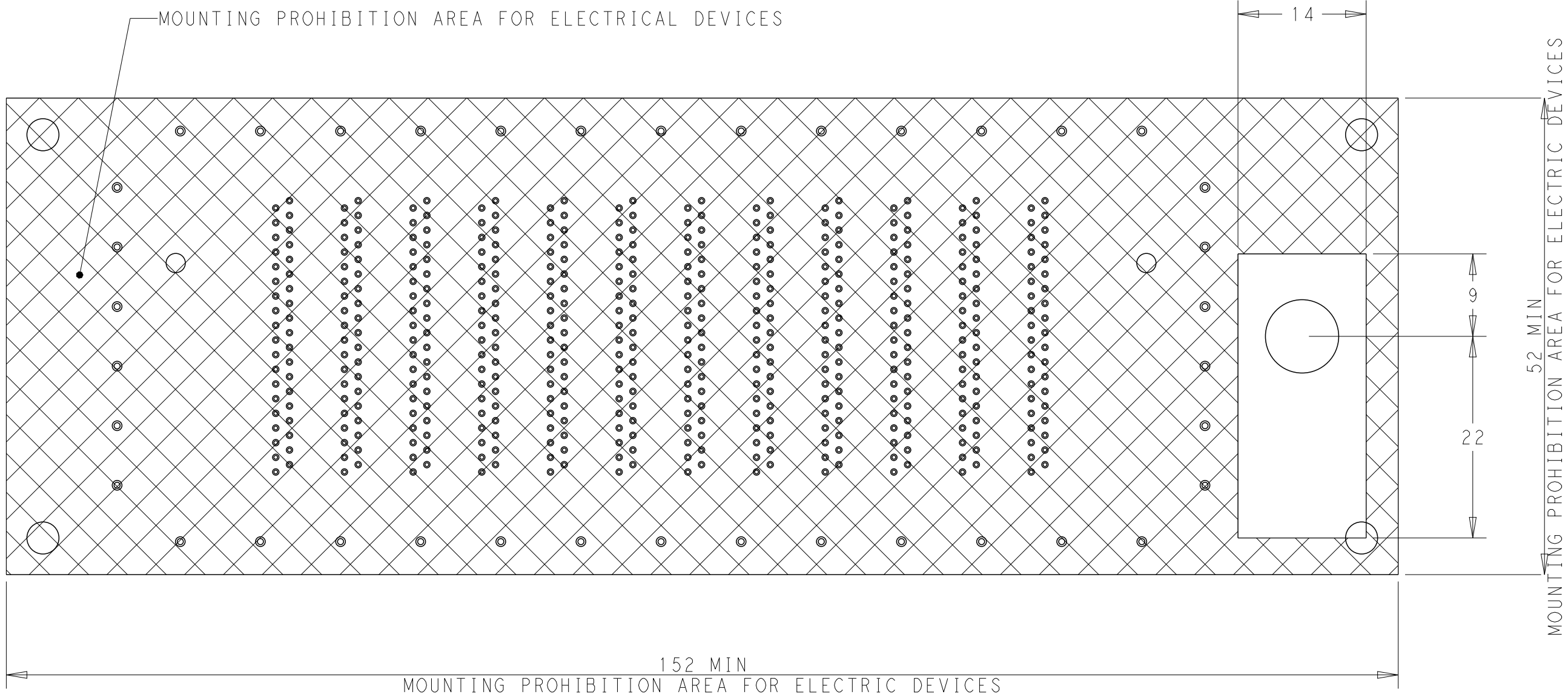
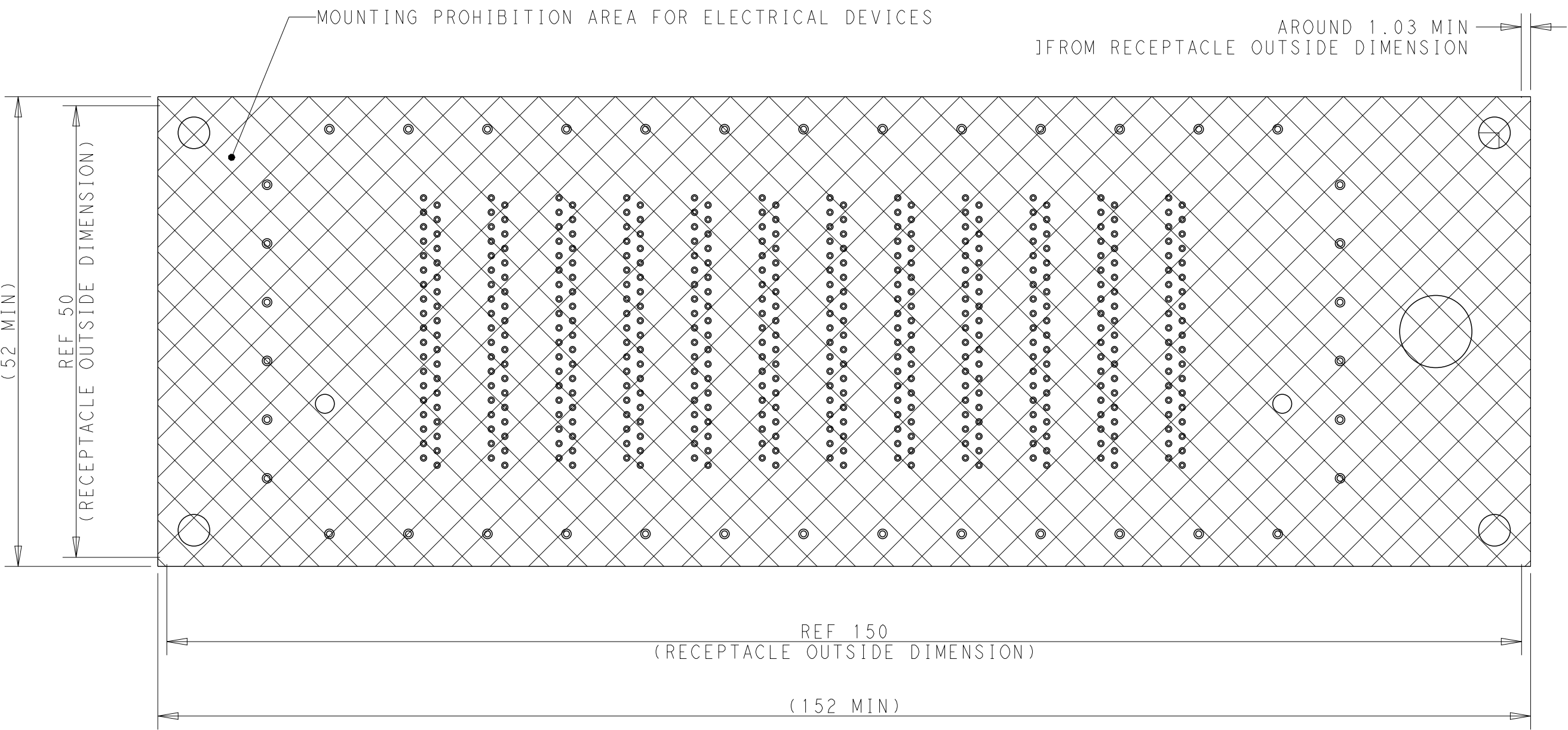
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



SCALE 2:1

SHIELD GASKET AREA

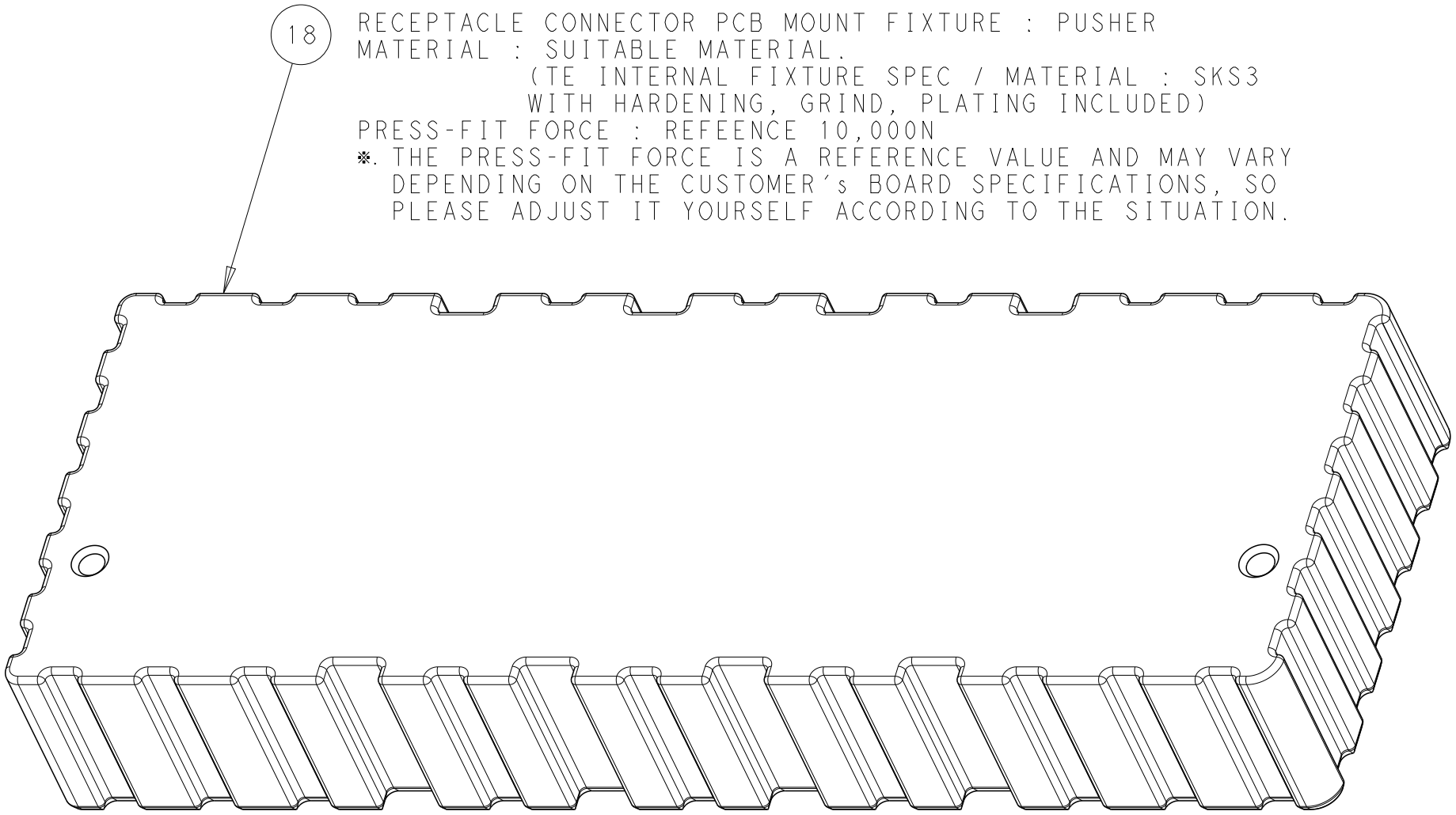


ELECTRIC DEVICES MOUNTING CONSTRAINT AREA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN T. SASAKI CHK M. KIMURA APVD M. KIMURA	11MAR2014 11MAR2014 11MAR2014	NAME SAP	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: mm	PRODUCT SPEC 108-140047	APPLICATION SPEC 114-5518	SIZE A1	CAGE CODE -
MATERIAL SEE SHEET 3 TABLE	FINISH SEE SHEET 3 TABLE	WEIGHT -	CUSTOMER DRAWING	SCALE 1:1	SHEET 4
		RESTRICTED TO -		REV J1	

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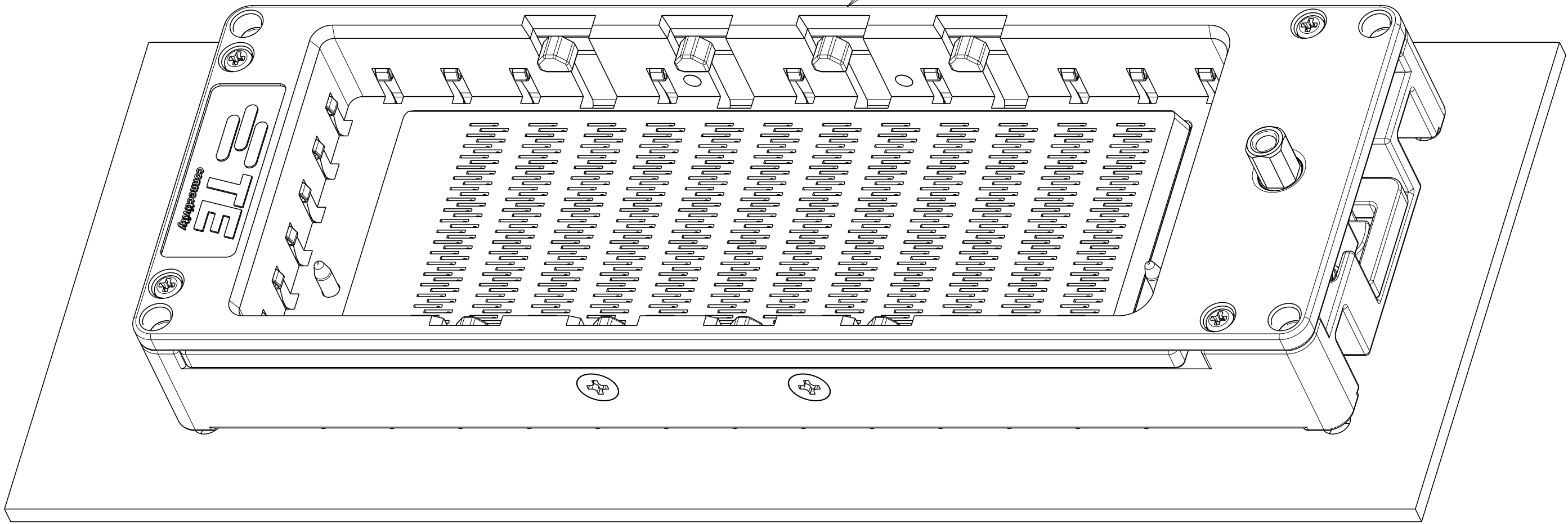
LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION			DATE	DWN	APVD
		SEE SHEET 1					



18 RECEPTACLE CONNECTOR PCB MOUNT FIXTURE : PUSHER
MATERIAL : SUITABLE MATERIAL
(TE INTERNAL FIXTURE SPEC / MATERIAL : SKS3
WITH HARDENING, GRIND, PLATING INCLUDED)
PRESS-FIT FORCE : REFERENCE 10,000N
* THE PRESS-FIT FORCE IS A REFERENCE VALUE AND MAY VARY
DEPENDING ON THE CUSTOMER'S BOARD SPECIFICATIONS, SO
PLEASE ADJUST IT YOURSELF ACCORDING TO THE SITUATION.

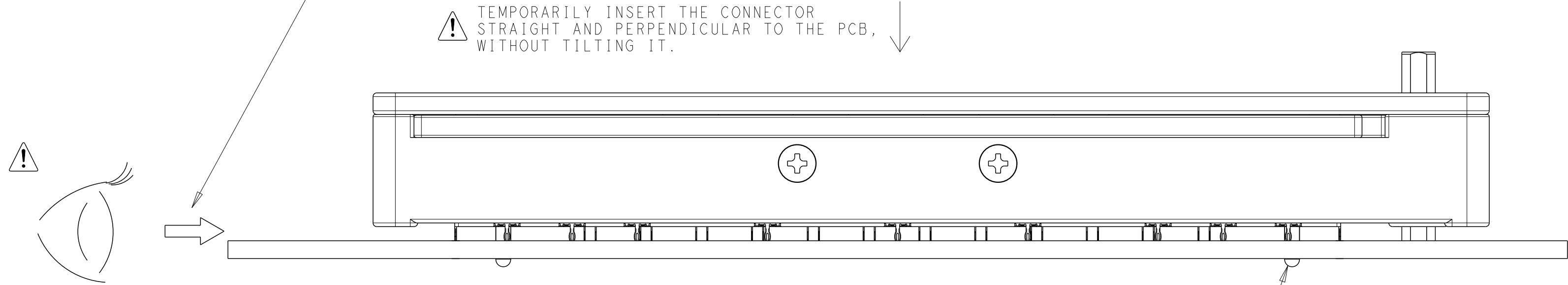
MP456P HD RECEPTACLE CONNECTOR
P/N : 2822650-*

⚠ IMPORTANT !
MUST BE APPLY THE LUBRICANT OIL TO ALL
PRESS-FIT CONTACT AND EACH PCB THROUGH HOLE.

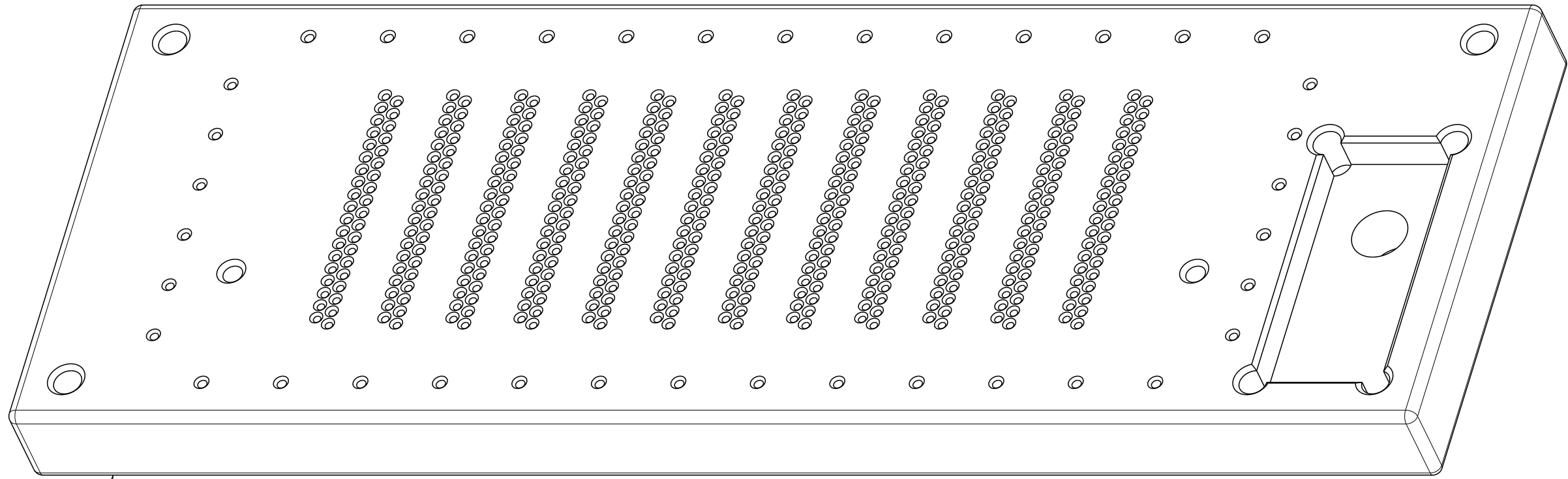


BEFORE DOING PRESS-FIT OPERATION, MUST BE SURE TO CONFIRM THE NEXT THING BY YOUR EYES.
THERE IS NO UNUSUAL CONDITION IN A CONTACT AND A PCB.
THAT ALL PCB HOLES AND LOCATIONS OF THE CONTACT ARE FIT.

⚠ TEMPORARILY INSERT THE CONNECTOR
STRAIGHT AND PERPENDICULAR TO THE PCB,
WITHOUT TILTING IT.



WHEN THE THICKNESS OF PCB IS BIG, THE POSITIONING PINS DOES NOT WORK POSITIONING OF 2822650-*.
PLEASE ADD A BEARING PIN TO BASE FIXTURE SO THAT THE LOCATION MAY BE DECIDED AT A HOLE IN A CORNER
AND M3 HOLE OF 2822650-* OF BASE FIXTURE IN THIS CASE.



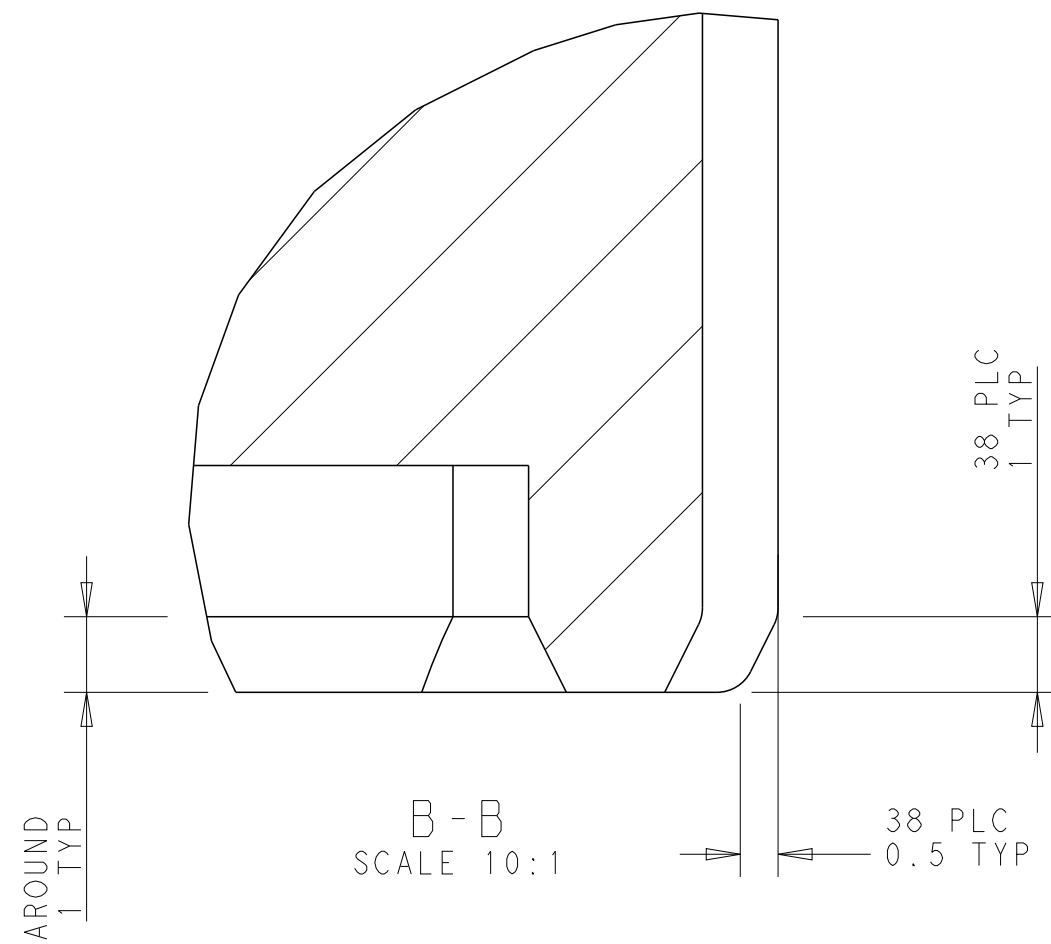
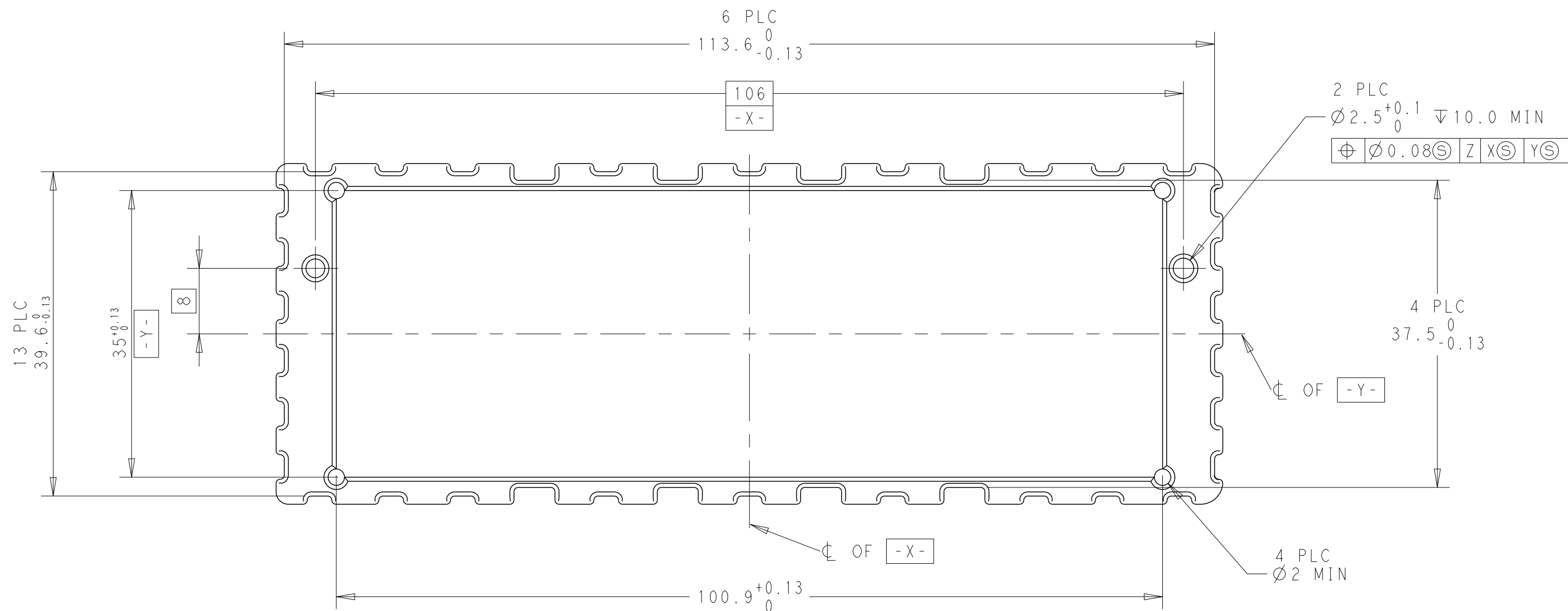
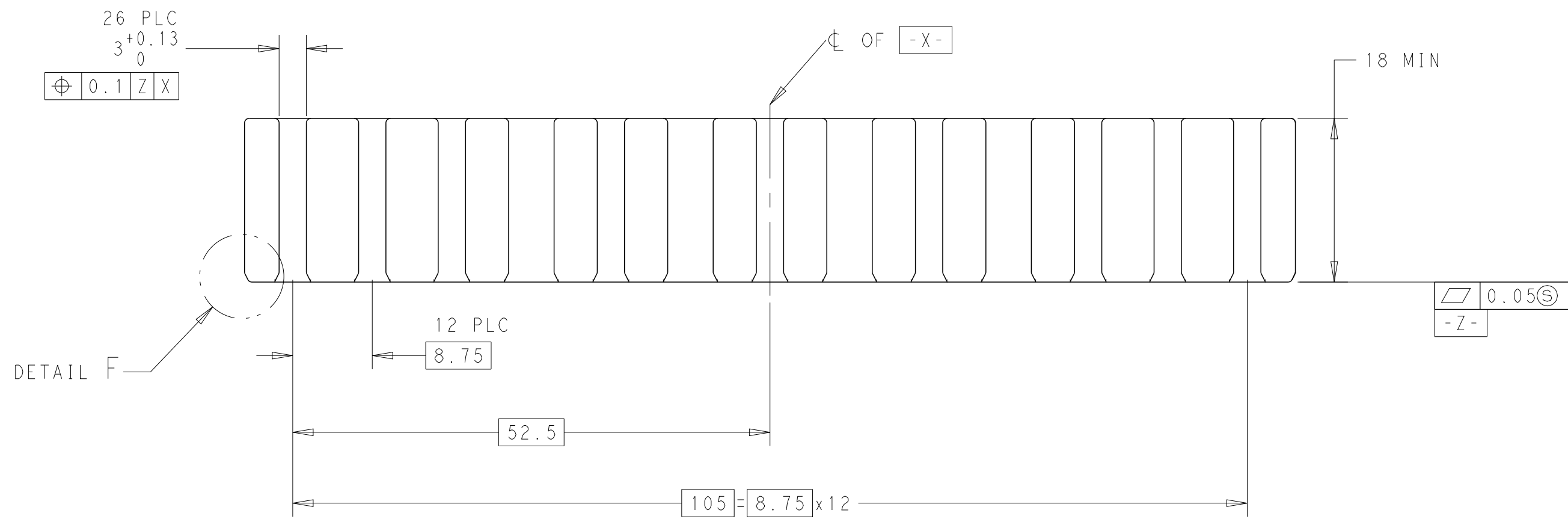
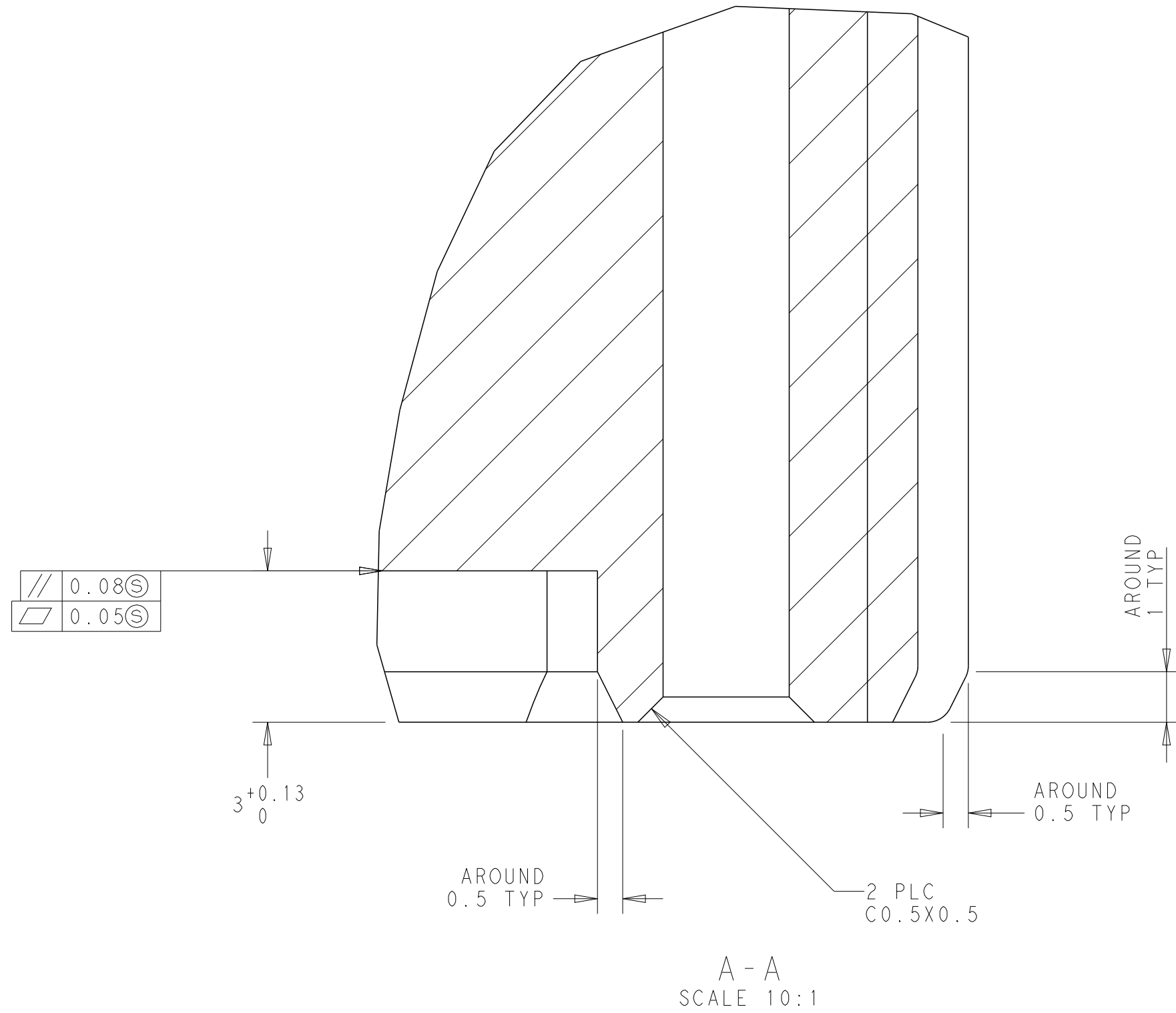
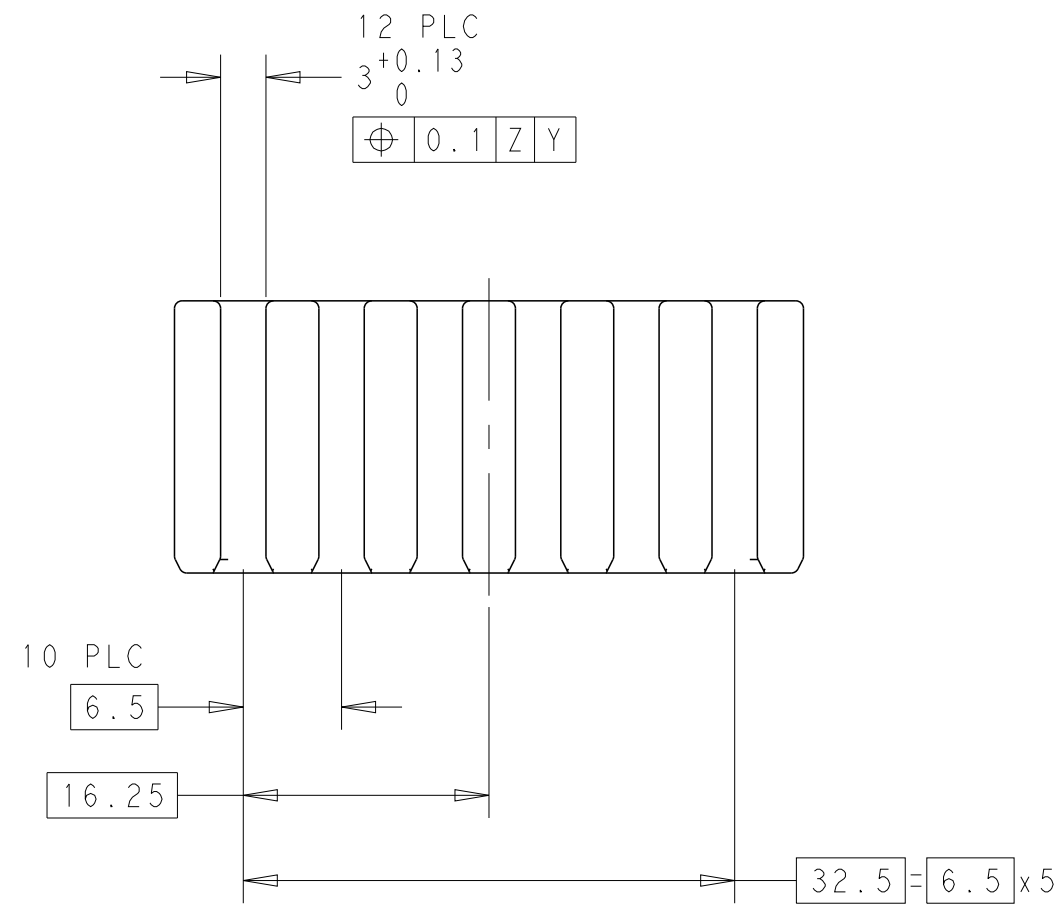
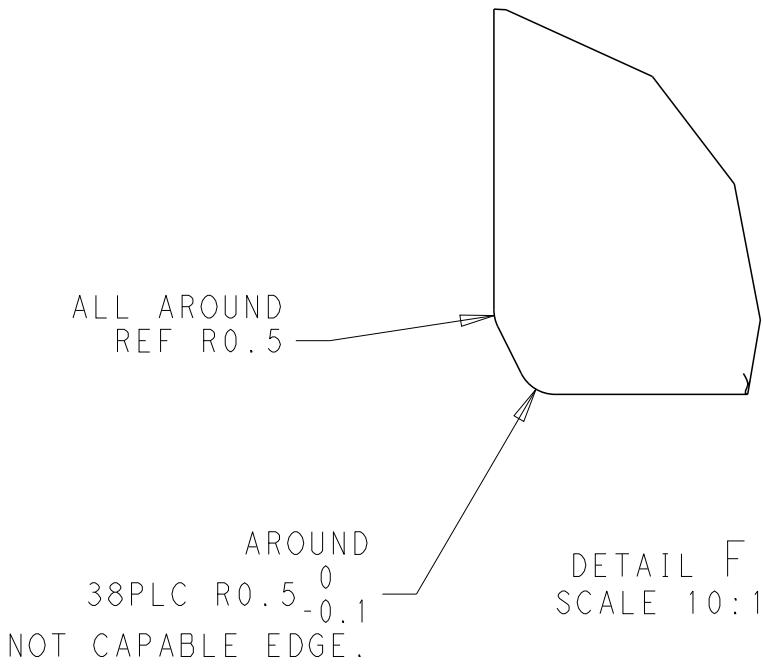
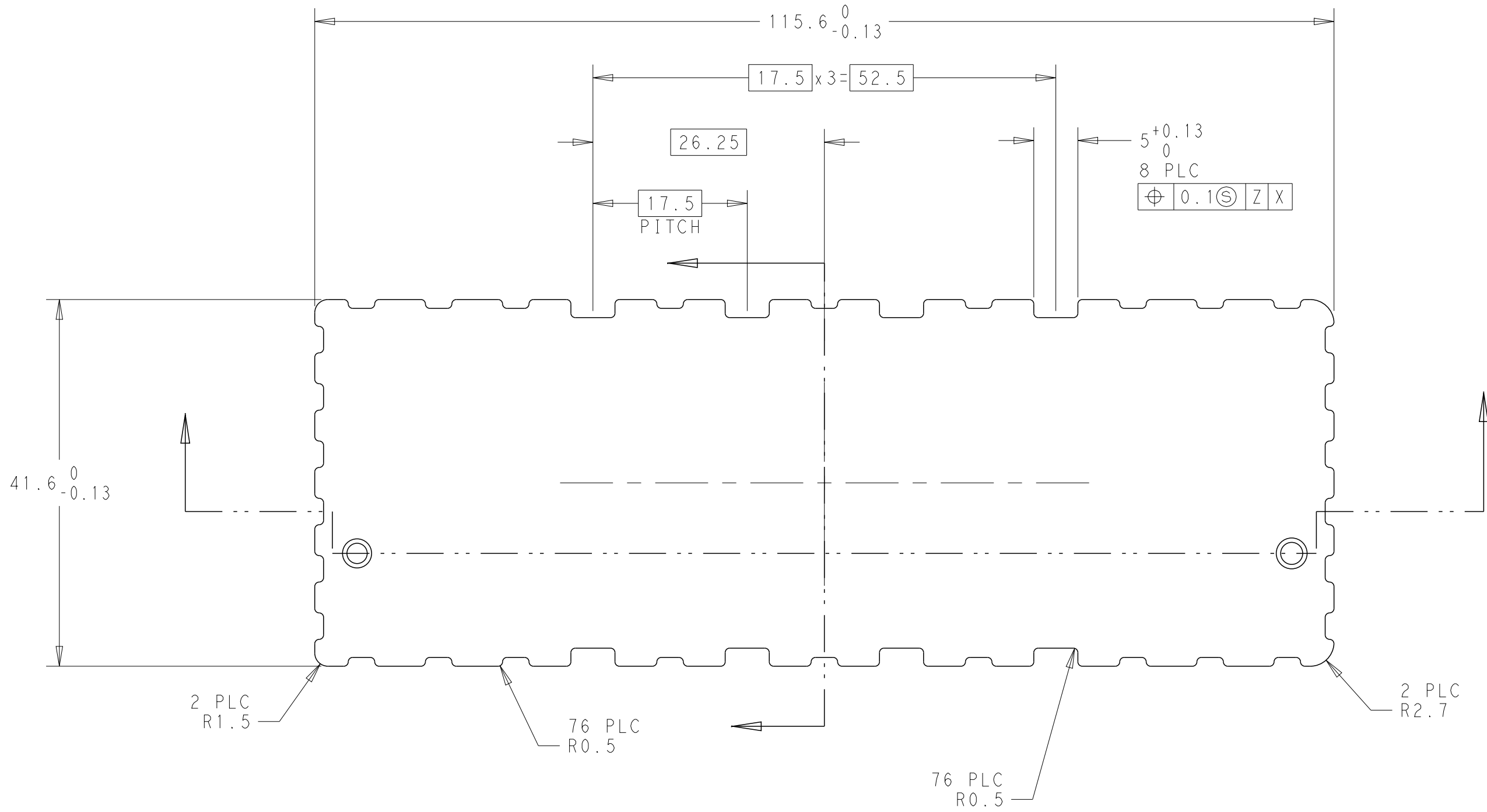
19 RECEPTACLE CONNECTOR PCB MOUNT FIXTURE : BASE
MATERIAL : SUITABLE MATERIAL
(TE INTERNAL FIXTURE SPEC / MATERIAL : SKS3
WITH HARDENING, GRIND, PLATING INCLUDED)

⚠ IMPORTANT !
PLEASE CUSTOMIZE ACCORDING TO THE STATE OF THE PCB AND THE USE SITUATION.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN T. SASAKI	11MAR2014	 TE Connectivity	
DIMENSIONS: mm		CHK M. KIMURA	11MAR2014		
	TOLERANCES UNLESS OTHERWISE SPECIFIED: ± 0.3	APVD M. KIMURA	11MAR2014	NAME	RECEPTACLE CONNECTOR 456P RECEPTACLE ASSEMBLY BEEHIVE I/O CONNECTOR SERIES
	0-PLC ±	PRODUCT SPEC			
	1-PLC ±0.5	108-140047			
	2-PLC ±0.13	APPLICATION SPEC			
	3-PLC ±0.013	114-5518		SIZE	CAGE CODE
	4-PLC ±0.0001	WEIGHT		-	-
FINISH		CUSTOMER DRAWING		SCALE	2:1
MATERIAL SEE SHEET 5		SEE SHEET 5		SHEET	5 of 7
				REV	J1

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LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Y. SASAKI CHK M. KIMURA APVD M. KIMURA	11MAR2014 11MAR2014 11MAR2014	TE Connectivity	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: ±0.3	PRODUCT SPEC	NAME	RECEPTACLE CONNECTOR 456P RECEPTACLE ASSEMBLY BEEHIVE I/O CONNECTOR SERIES	
	0-PLC ±0.5 1-PLC ±0.5 2-PLC ±0.13 3-PLC ±0.13 4-PLC ±0.001 ANGLES ±1.0 FINISH SEE SHEET 5	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO
MATERIAL SEE SHEET 5	SEE SHEET 5	WEIGHT -	A1	-	C=2822650
CUSTOMER DRAWING				SCALE 2:1	SHEET 6 OF 7
				REV J1	

3 PLC
 ± 0.1
 $\nabla 5.0$

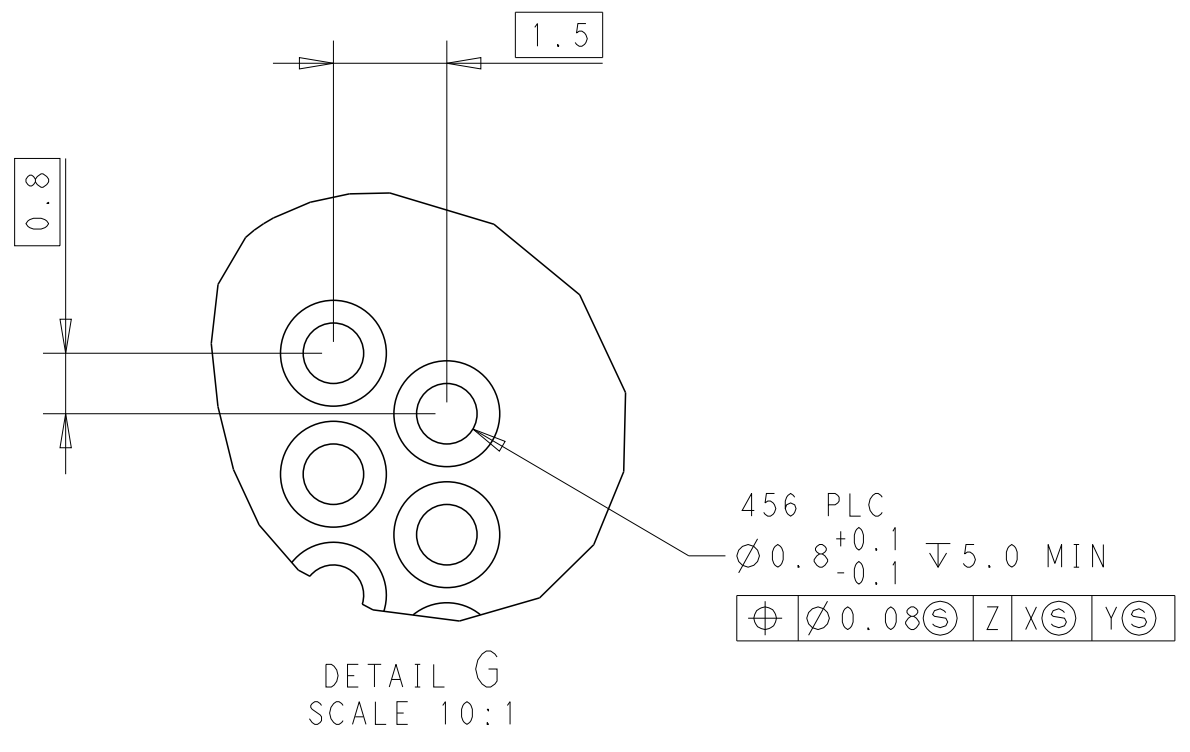
14 ± 0.2

27 ± 0.6

27 ± 0.6

5.0

DETAIL H
 SCALE 4:1

4805 (3/11)