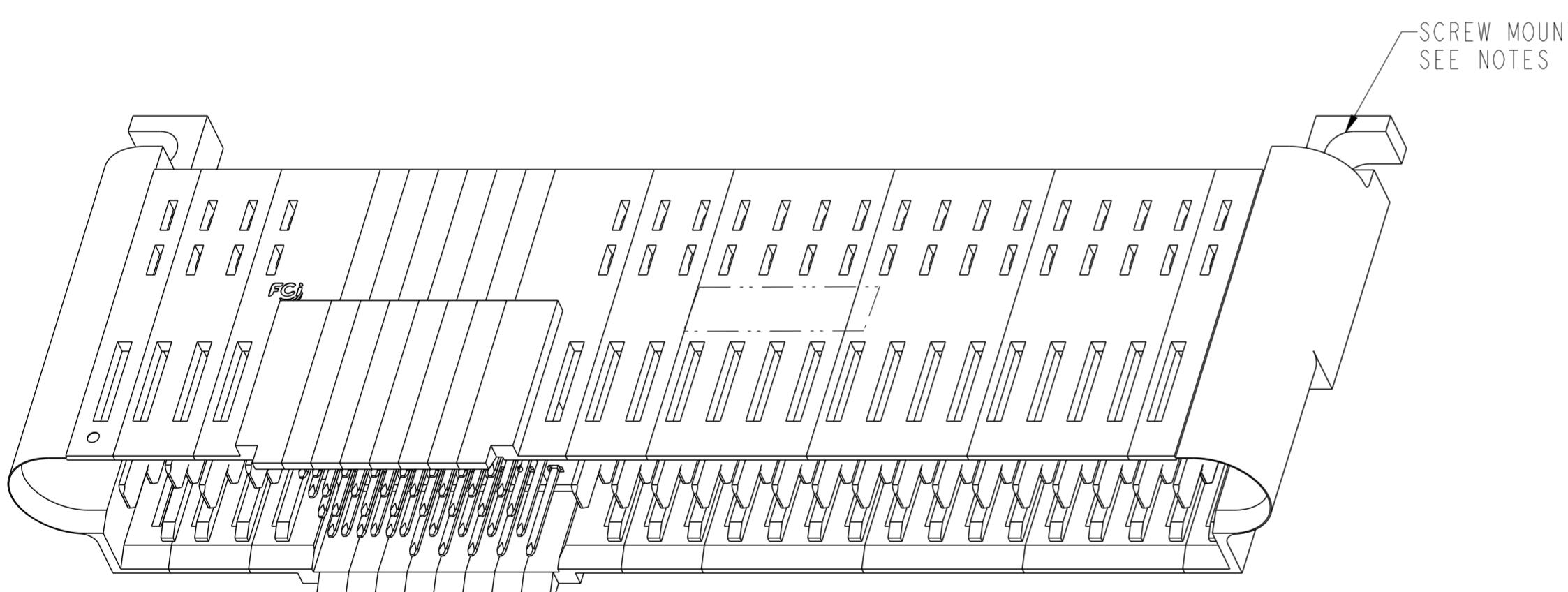


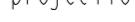
## CONFIGURATION SHOWN HOLD DOWN TYPE

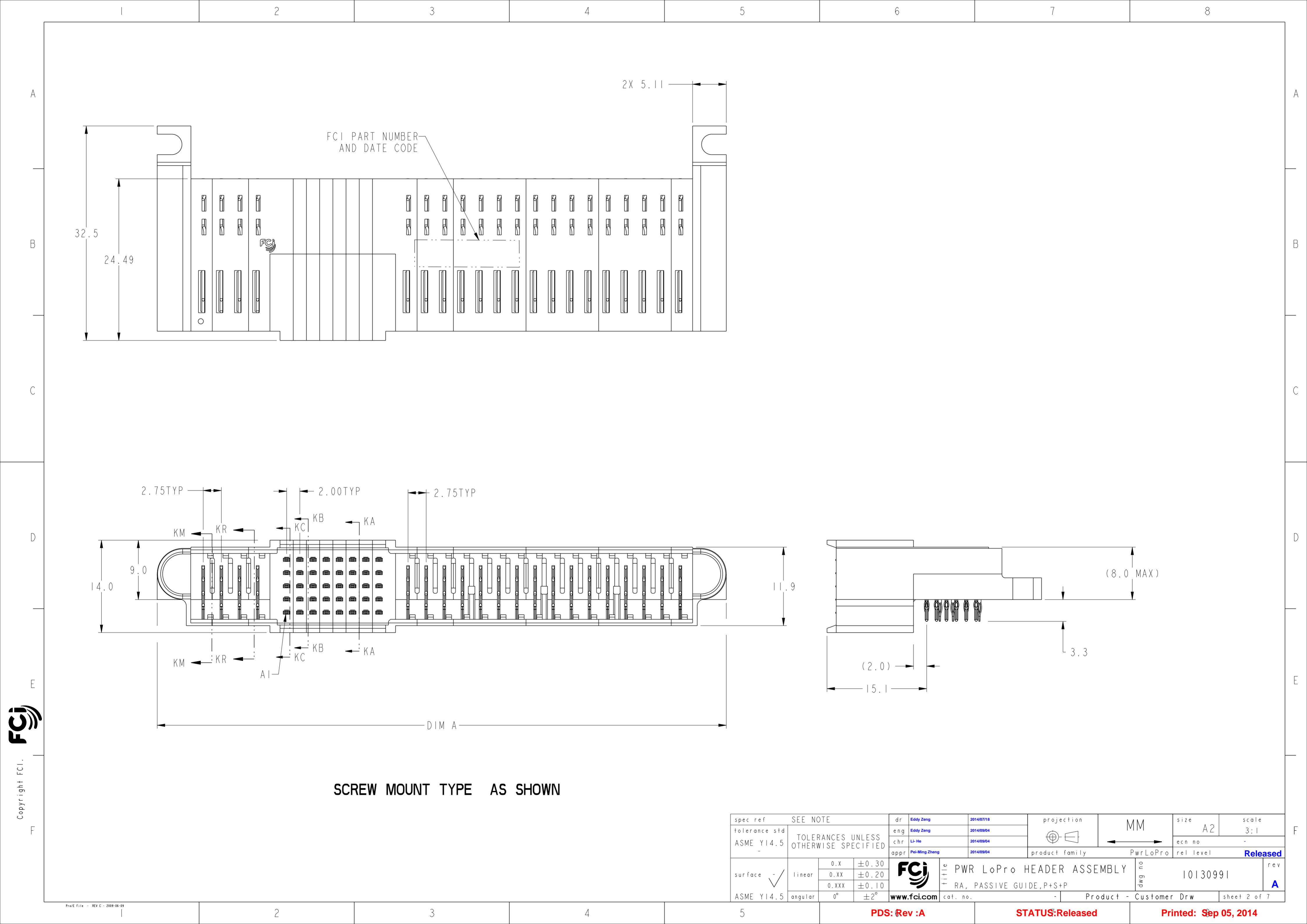


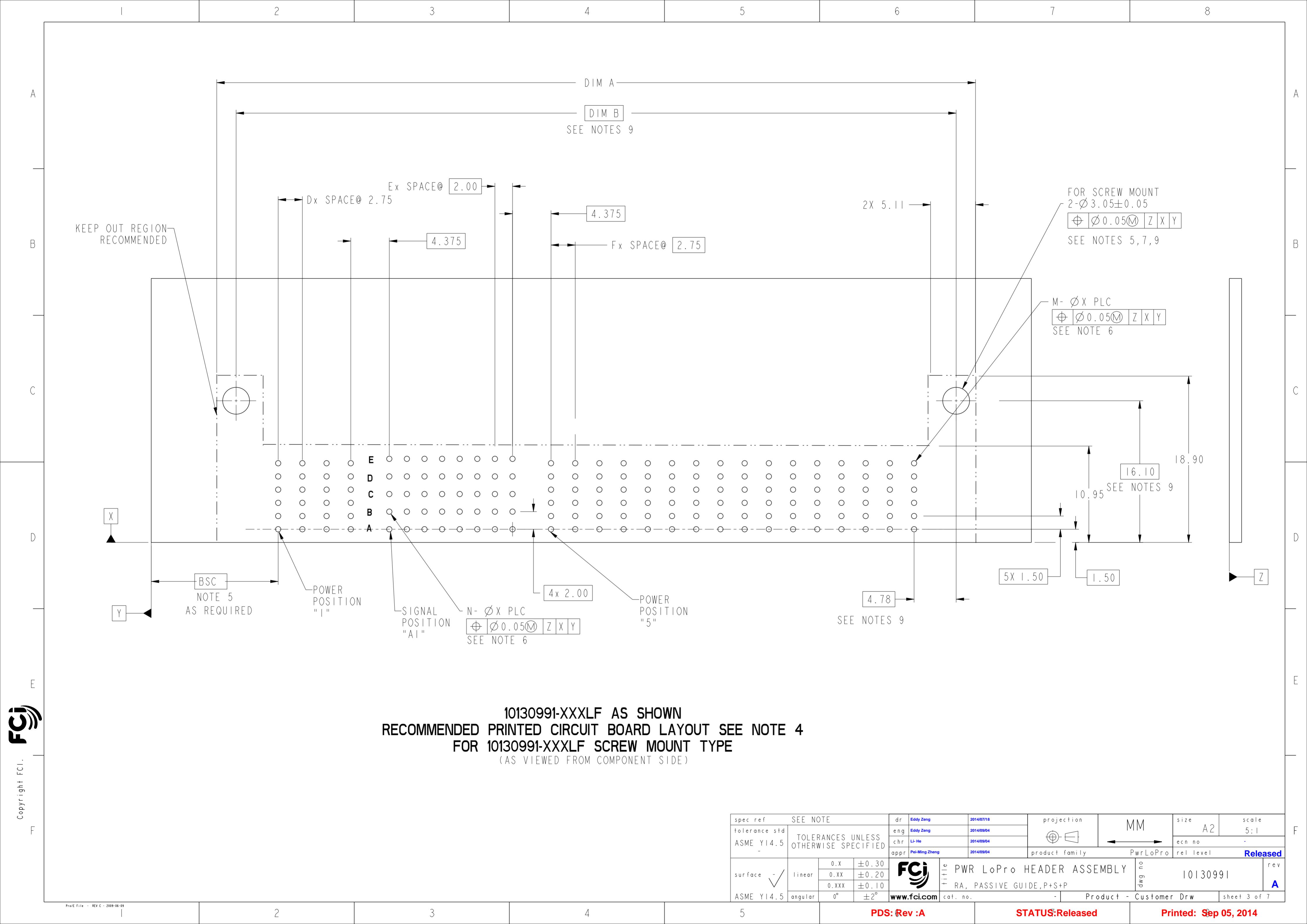
## CONFIGURATION SHOWN SCREW MOUNT TYPE

## NOTES

1. HOUSING MATERIAL: GF LCP, COLOR: BLACK, UL 94 V-0 RATED  
SIGNAL CONTACT MATERIAL: PHOSPHOR BRONZE  
SIGNAL PIN OVERMOLD MATERIAL: GF POLYESTER  
POWER CONTACT MATERIAL: COPPER ALLOY
2. PLATING ON SIGNAL CONTACTS: 1.27 $\mu$ m MIN Ni UNDERPLATING ALL OVER WITH 0.76 $\mu$ m MIN GXT IN CONTACT MATING AREA, AND 0.5 $\mu$ m MIN MATTE TIN ON TAIL AREA.  
PLATING ON POWER CONTACTS: 1.27 $\mu$ m MIN Ni UNDERPLATING ALL OVER WITH 0.76 $\mu$ m MIN GXT IN CONTACT MATING AREA, AND 0.5 $\mu$ m MIN MATTE TIN ON TAIL AREA.  
PLATING ON HOLD DOWN IF APPLICABLE: 1.27 $\mu$ m MIN Ni, UNDERPLATING ALL OVER WITH 0.76 $\mu$ m MIN MATTE TIN OVER.
3. LUBRICATION: LUBRICATE ON CONTACT AREA.
4. RECOMMENDED PCB THICKNESS IS:  
FOR PRESS FIT APPLICATION: 1.4mm MIN  
FOR SOLDER APPLICATION: 1.40mm THROUGH 2.62mm.
5. FOR SCREW MOUNT APPLICATIONS, A #4-40 UNC PAN SCREW WITH HEX NUT IS RECOMMENDED (SUPPLIED BY CUSTOMER).
6. FOR PRESS FIT  $\phi$ 0.61 $\pm$ 0.05mm, FOR SOLDER  $\phi$ 0.90 $\pm$ 0.05mm.
7. UNPLATED HOLES.
8. HOLD DOWN APPLICATION NEEDED.
9. SCREW MOUNT APPLICATION NEEDED.
10. PRODUCT SPECIFICATION: GS-12-1064  
APPLICATION SPECIFICATION: GS-20-0362

spec ref	SEE NOTE			dr	Eddy Zeng		2014/07/18			size	A2	scale				
tolerance std				eng	Eddy Zeng		2014/09/04			ecn no	3:1					
ASME Y14.5				chr	Li-He		2014/09/04			rel level	-					
-				appr	Pei-Ming Zheng		2014/09/04			product family	PwrLoPro	Released				
surface		linear	0.X	±0.30		PWR LoPro HEADER ASSEMBLY					10130991		rev			
			0.XX	±0.20		RA, PASSIVE GUIDE, P+S+P							A			
			0.XXX	±0.10												
ASME Y14.5	angular		0°	±2°	www.fci.com	cat. no.	-	Product	- Customer	Drw	sheet 1 of 7					





A

1

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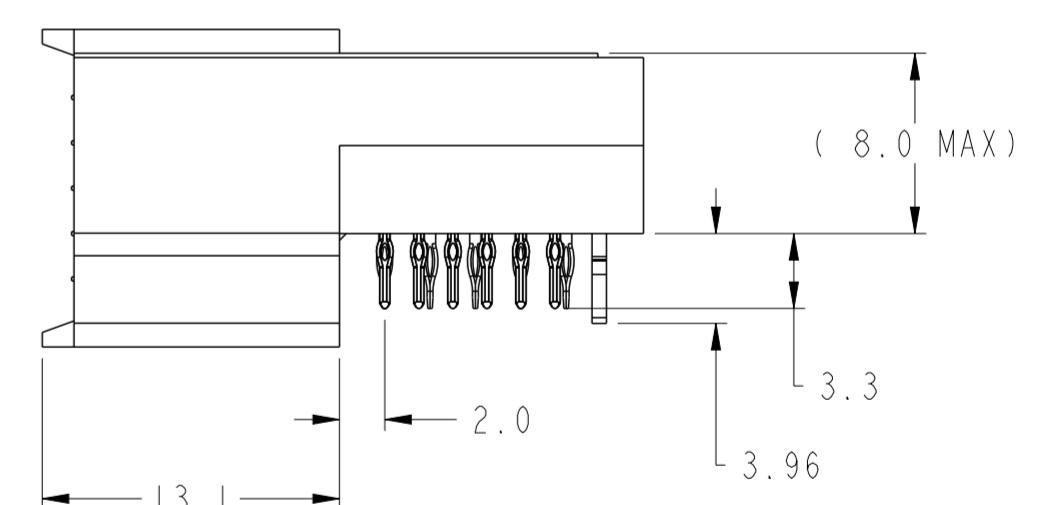
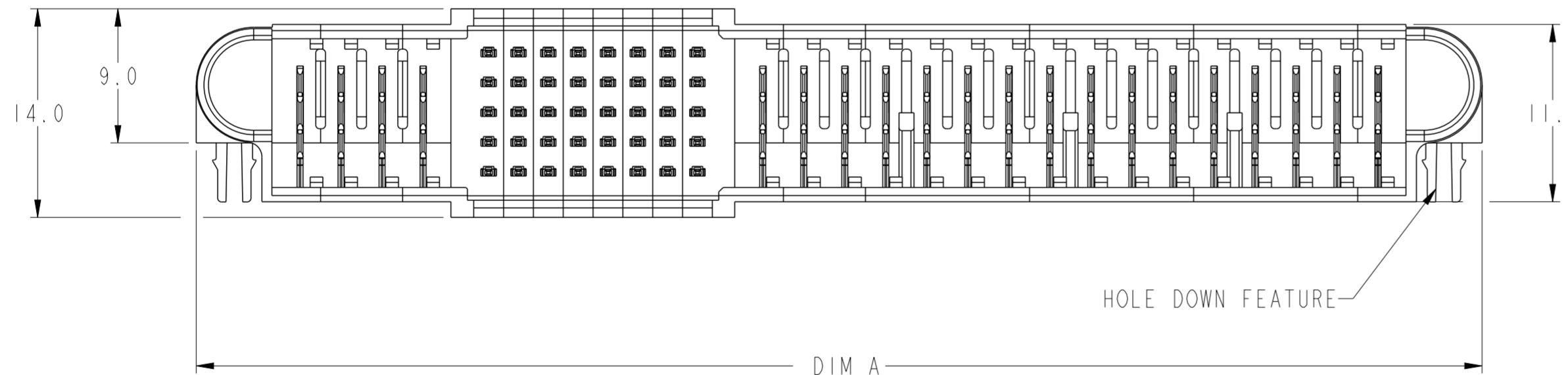
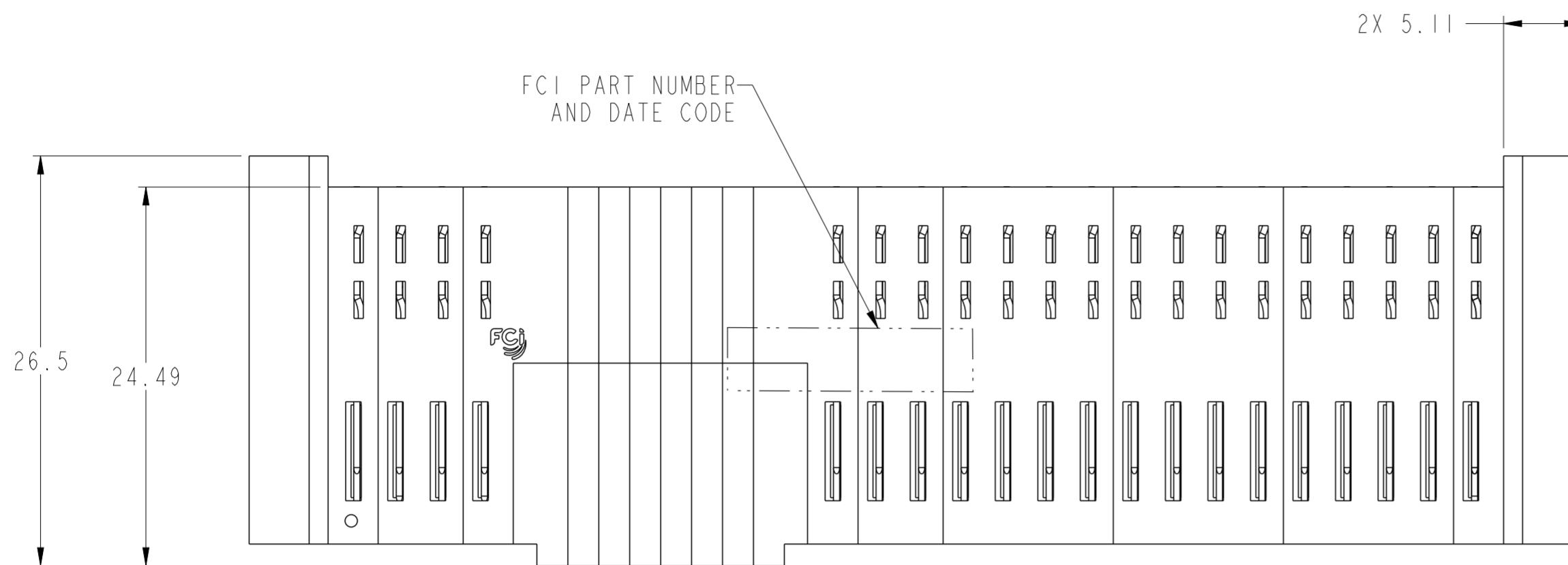
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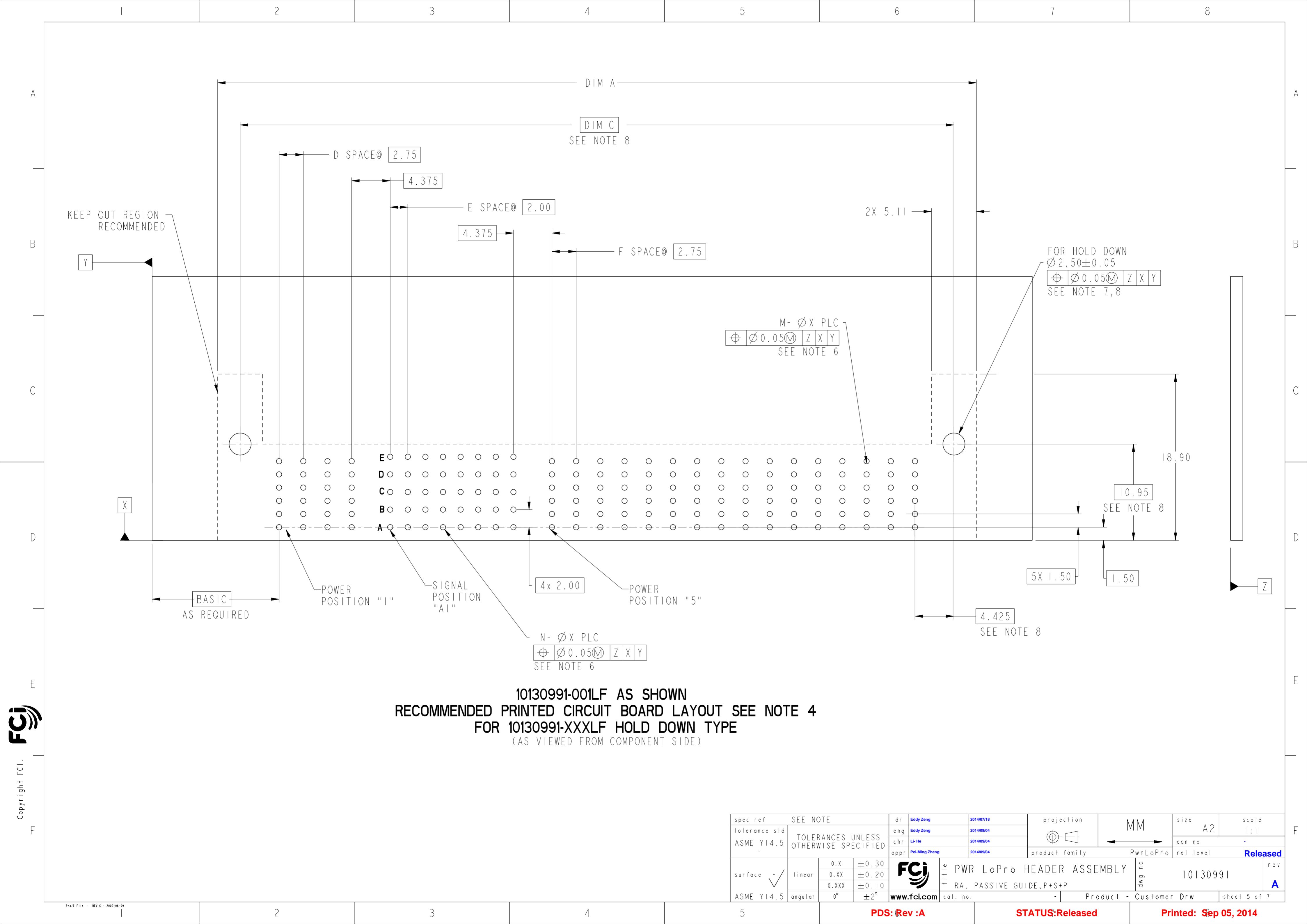
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### HOLE DOWN TYPE AS SHOWN

spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/18			size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5	eng	Eddy Zeng	2014/09/04			A2	1:1
		chr	Li-He	2014/09/04			ecn no	-
-		appr	Pei-Ming Zheng	2014/09/04			rel level	Released
surface	✓	linear	0.X	±0.30			10130991	rev A
			0.XX	±0.20				
			0.XXX	±0.10				
ASME Y14.5	angular		0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw	sheet 4 of 7



PART NUMBER	CONFIGURATION	DIM "A"	DIM "B" FOR SCREW MOUNT	DIM "C" FOR HOLD DOWN	"D" SPACES	"E" SPACES	"F" SPACES	"M" QTY.	"N" QTY.	MOUNTING FEATURE
10130991-001LF	4P+40S+16P	86.21	-	81.10	3	7	15	120	40	HOLD DOWN

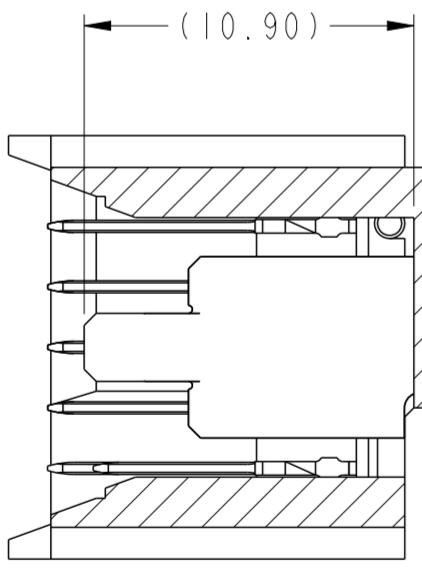
PART NUMBER	ROWS		POWERS				SIGNALS								POWERS														
			1	2	3	4	1	2	3	4	5	6	7	8	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10130991-001LF 4P+40S+16P	E						322222	322222	322222	322222	322222	322222	322222	322222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	D																												
	C																												
	B																												
	A	H																											

VIEWED FROM MATING FACE:

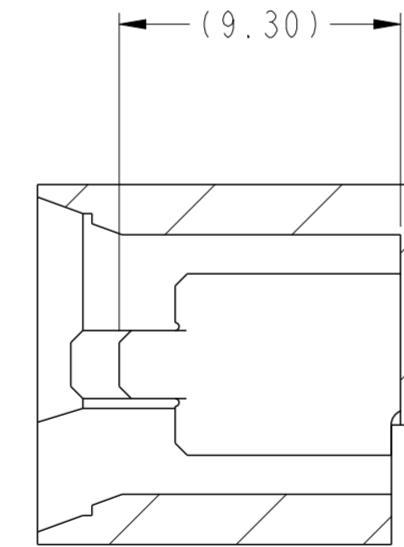
CODE	DESCRIPTION
1	FOR LEVEL 1
2	FOR LEVEL 2
32222	FOR LEVEL 32222 (MIXED)
3	FOR LEVEL 3

spec ref	SEE NOTE			dr	Eddy Zeng	2014/07/18	projection	MM	size	A2	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Eddy Zeng	2014/09/04 <th></th> <th></th> <th>ecn no</th> <td></td> <th></th>			ecn no		
ASME Y14.5				chr	Li-He	2014/09/04	oppn	product family	PwrLoPro	rel level	Released
				linear	0.X	±0.30					
					0.XX	±0.20					
					0.XXX	±0.10					
				angular	0°	±2°	FCI	PWR LoPro HEADER ASSEMBLY	drwg no	10130991	rev A
								RA, PASSIVE GUIDE, P+S+P			
								www.fci.com	cat. no.		
									-	Product - Customer Drw	sheet 6 of 7

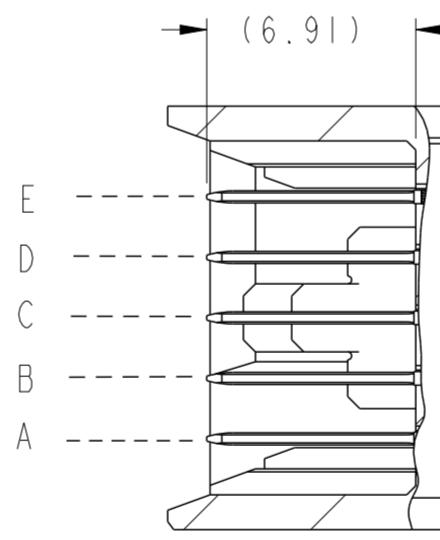
- 1). LOAD WITH CHOICE OF 2 POWER CONTACT MATING LEVELS, SEE SECTIONS KM & KR FOR AVAILABLE LEVEL OPTIONS.
- 2). LOAD WITH CHOICE OF 3 SIGNAL CONTACT MATING LEVELS, SEE SECTIONS KA,KB,&KC FOR AVAILABLE LEVEL OPTIONS.
- 3). MOUNTING FEATURE OPTION "X"
  - H : HOLD DOWN TYPE
  - S : SCREW MOUNT TYPE
- 4). CUSTOMER LOADING WORKSHEET SHOWN AT MAXMUM SIZE CONFIGURATION (40Sx24P), SIGNALS AVAILABLE IN 2,3,4 THRU 8 POSITIONS, POWERS AVAILABLE IN 4,6,8 THRU 24 POSITIONS IN EVEN QUANTITIES ONLY.



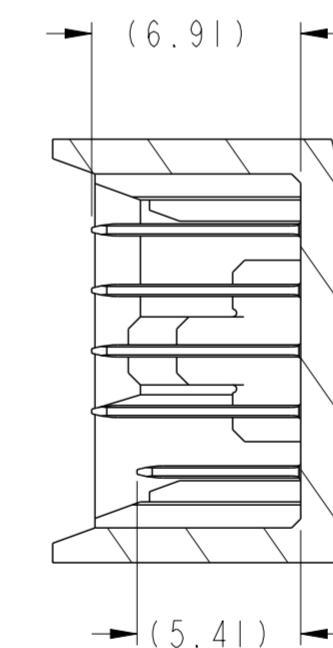
## POWER SECTION KM-KM LEVEL I: LONGEST MATING CONTACTS



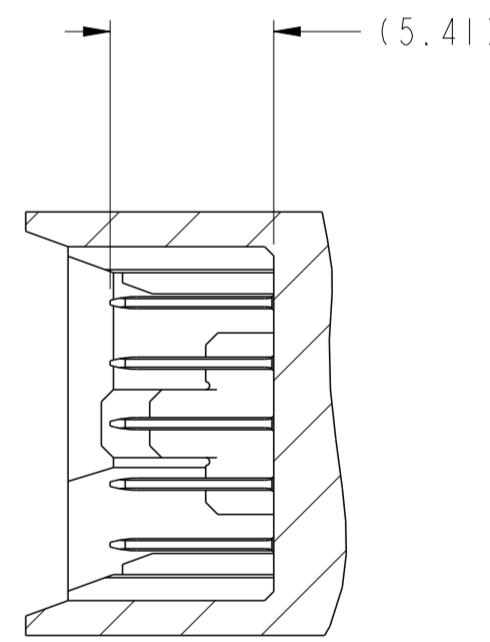
## POWER SECTION KR-KR LEVEL 2: SHORTEST MATING CONTACTS



SIGNAL  
SECTION KA-KA  
LEVEL 2:  
ALL LONGEST  
CONTACTS



SIGNAL  
SECTION KB-KB  
LEVEL 32222 (MIXED):  
ROW "A", SHORTEST CONTACT  
ROW "B" THRU "E", LONGEST CONTACTS



SIGNAL  
SECTION KC-KC  
LEVEL 3:  
ALL SHORTEST  
CONTACTS

spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/18	projection 	MM 	size	A2	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5 -	eng	Eddy Zeng	2014/09/04			ecn no	-	
		chr	Li-He	2014/09/04					
		appr	Pei-Ming Zheng	2014/09/04			product family	PwrLoPro	rel level
surface		linear	0.X	±0.30			dwg no	10130991	rev
			0.XX	±0.20					
			0.XXX	±0.10					
ASME Y14.5	angular		0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 7 of 7