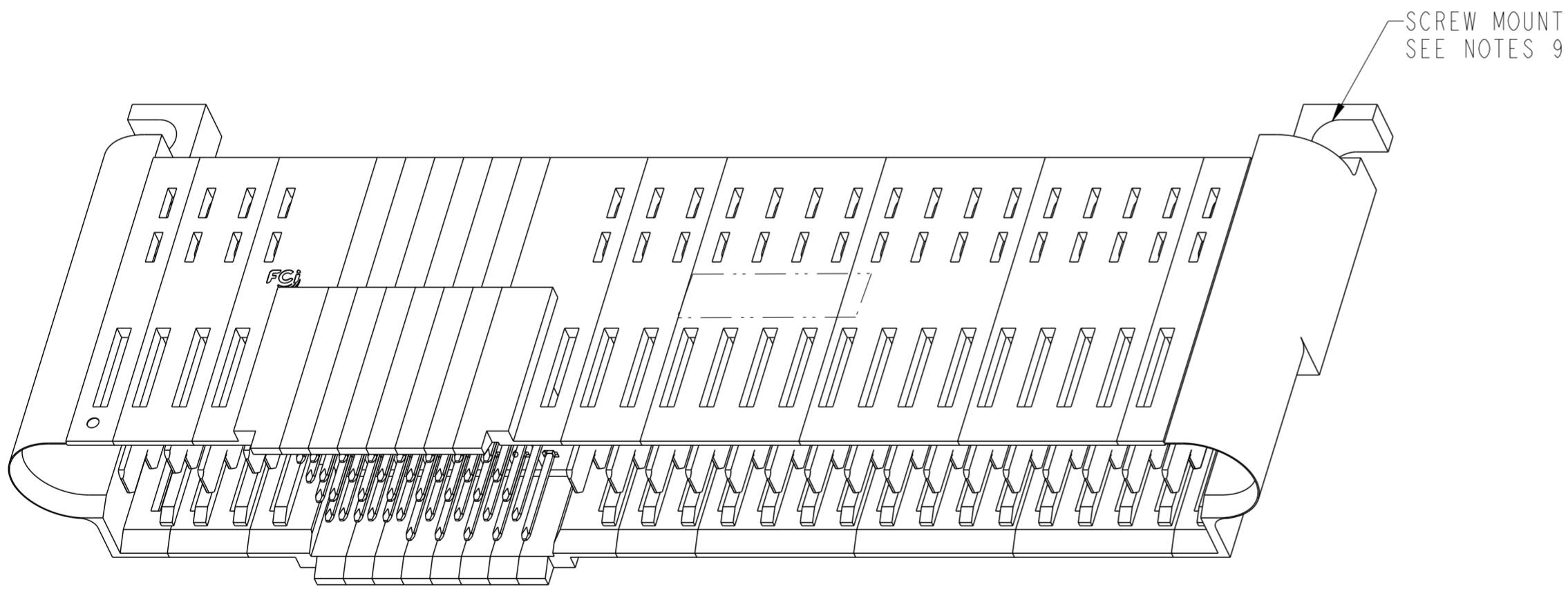


**CONFIGURATION SHOWN
HOLD DOWN TYPE**



**CONFIGURATION SHOWN
SCREW MOUNT TYPE**

NOTES:

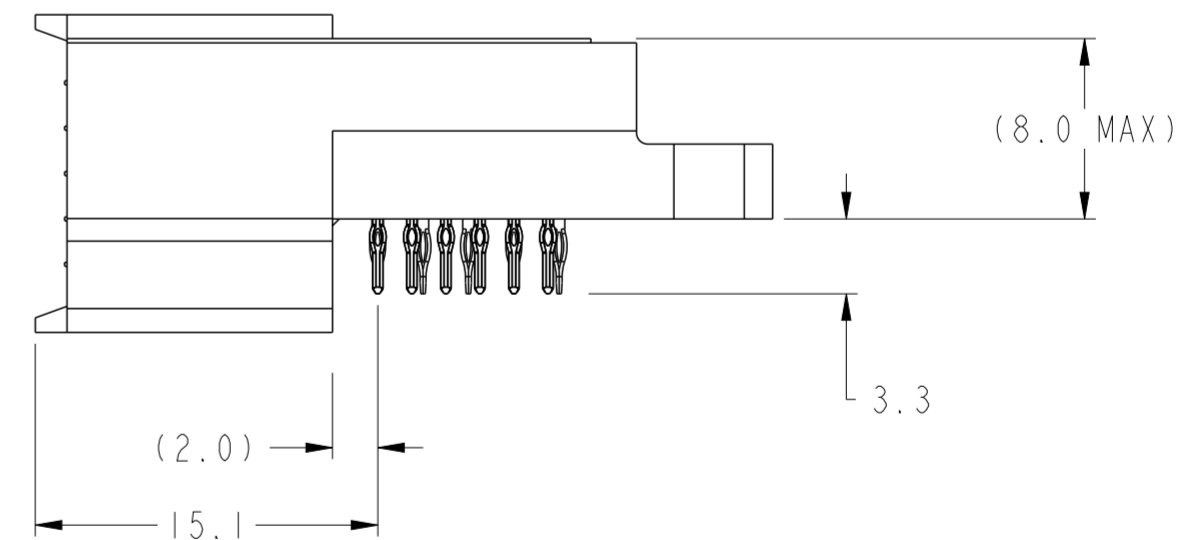
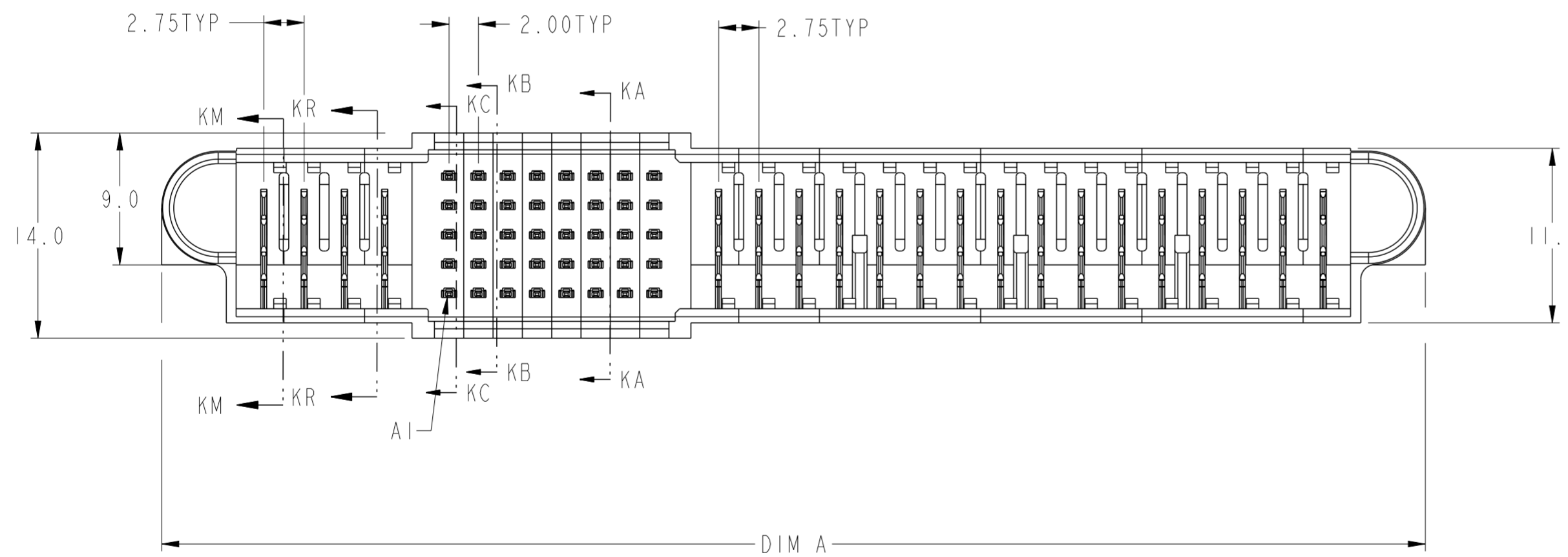
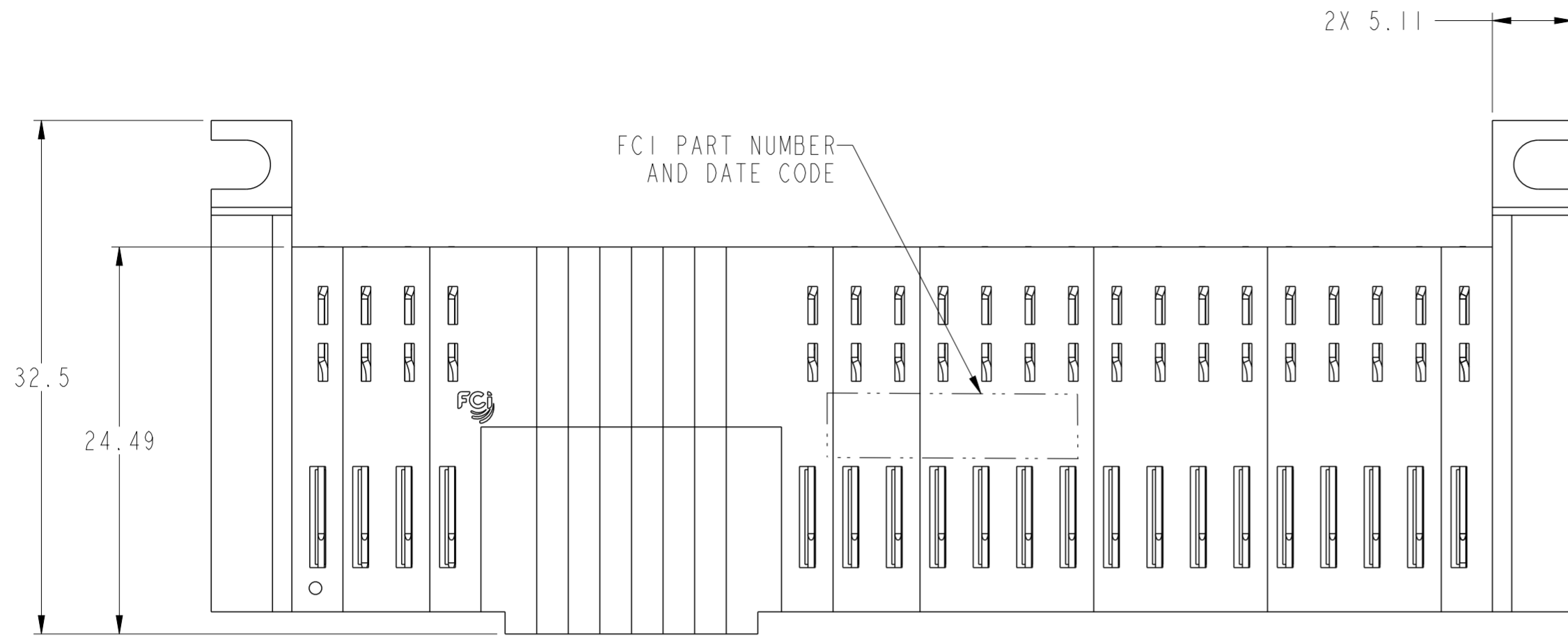
1. HOUSING MATERIAL: GF LCP, COLOR: BLACK, UL 94 V-0 RATED
SIGNAL CONTACT MATERIAL: PHOSPHOR BRONZE
SIGNAL PIN OVERMOLD MATERIAL: GF POLYESTER
POWER CONTACT MATERIAL: COPPER ALLOY
2. PLATING ON SIGNAL CONTACTS: 1.27µm MIN Ni UNDERPLATING ALL OVER WITH 0.76µm MIN GXT IN CONTACT MATING AREA, AND 0.5µm MIN MATTE TIN ON TAIL AREA.

PLATING ON POWER CONTACTS: 1.27µm MIN Ni UNDERPLATING ALL OVER WITH 0.76µm MIN GXT IN CONTACT MATING AREA, AND 0.5µm MIN MATTE TIN ON TAIL AREA.

PLATING ON HOLD DOWN IF APPLICABLE: 1.27µm MIN Ni, UNDERPLATING ALL OVER WITH 0.76µm 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 $\varnothing 0.61 \pm 0.05\text{mm}$, FOR SOLDER $\varnothing 0.90 \pm 0.05\text{mm}$.
7. UNPLATED HOLES.
8. HOLD DOWN APPLICATION NEEDED.
9. SCREW MOUNT APPLICATION NEEDED.
10. PRODUCT SPECIFICATION: GS-12-1064
APPLICATION SPECIFICATION: GS-20-0362

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

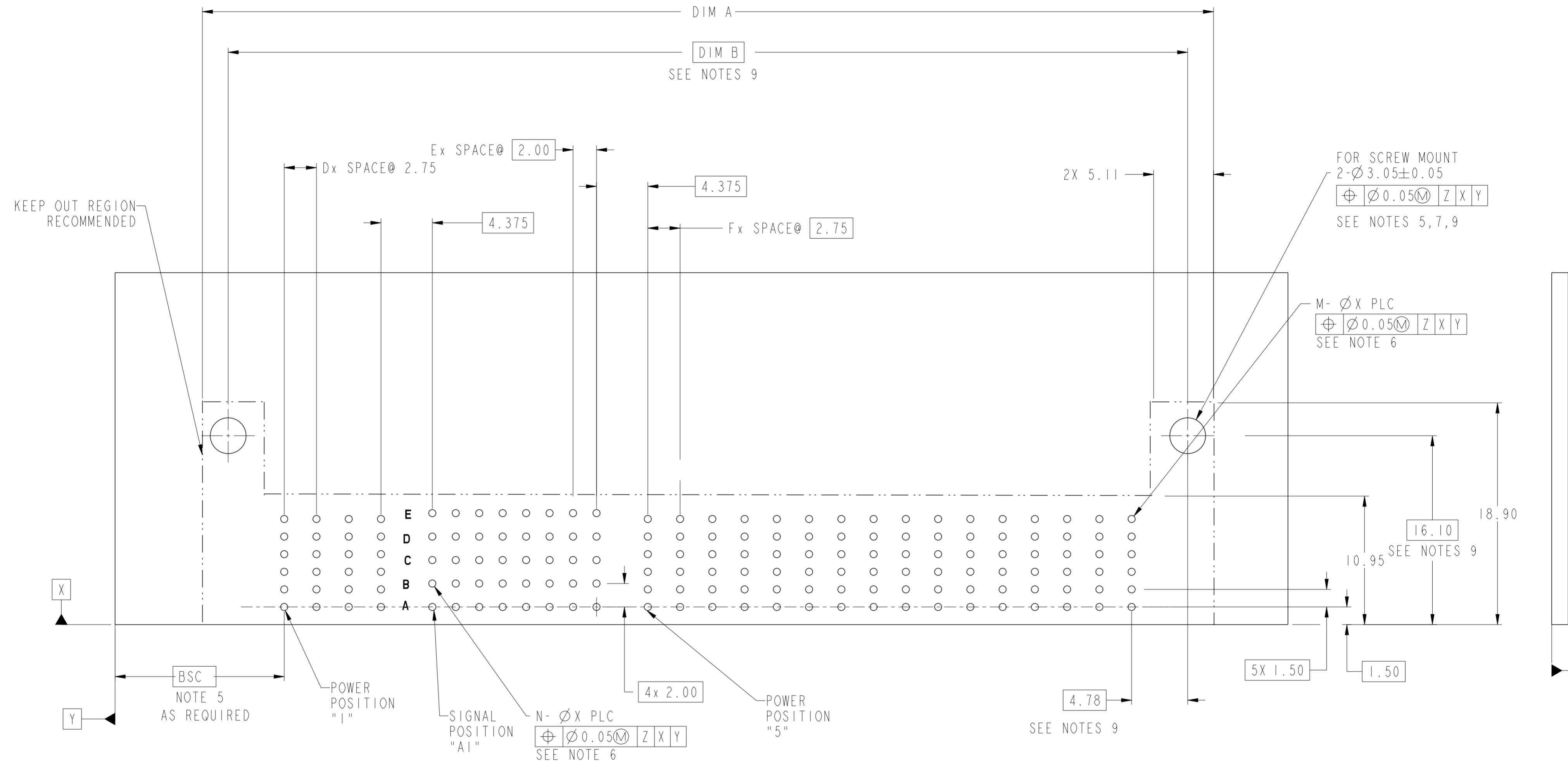


SCREW MOUNT TYPE AS SHOWN

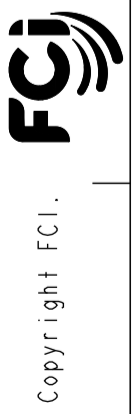
spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/16	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04			ecn no	-	rel level	Released
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Li-He	2014/09/04						
surface	✓	appr	Pai-Ming Zheng	2014/09/04	product family	PwrLoPro	rel level	Released	rev	A
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 7		

1 2 3 4 5 6 7 8

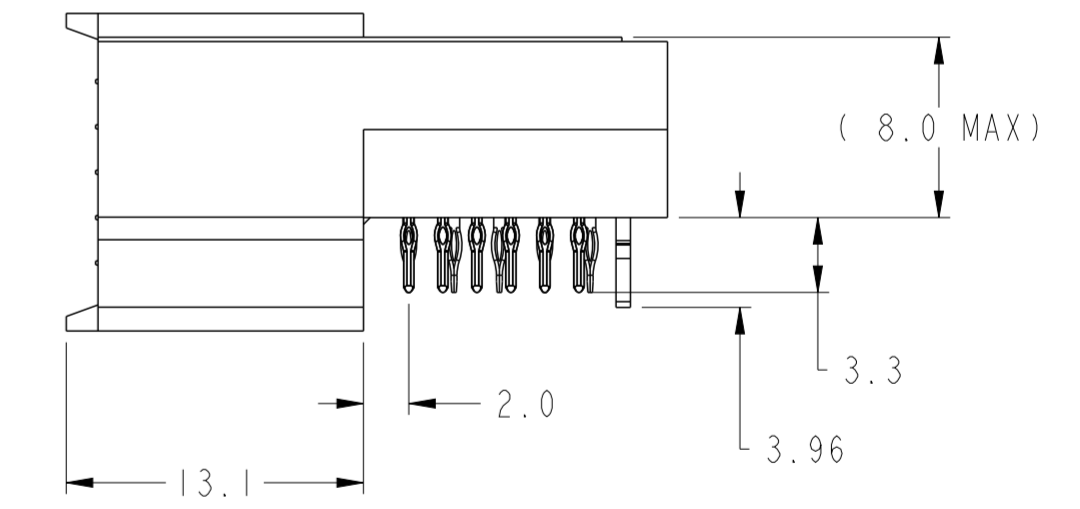
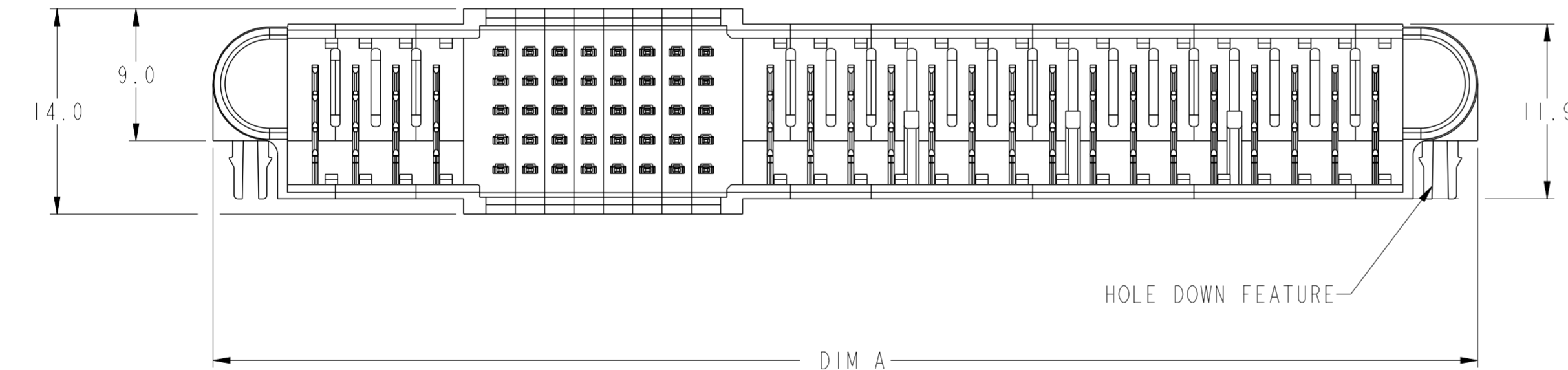
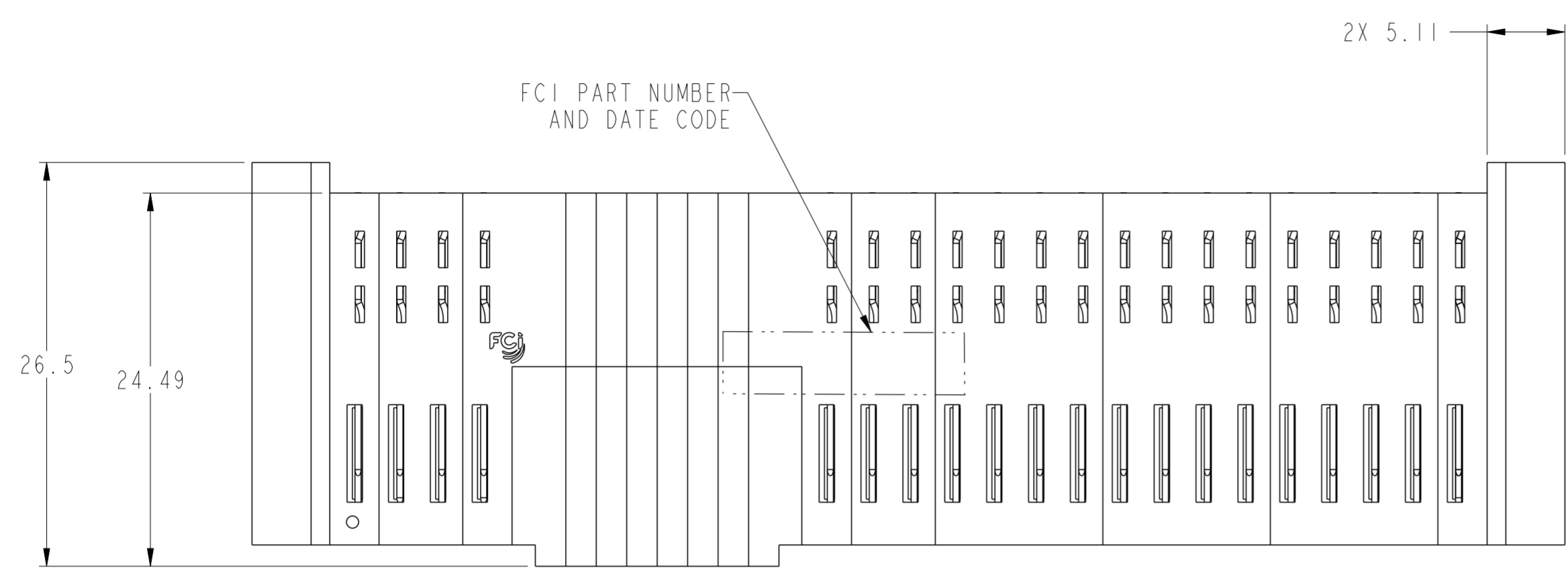
A B C D E F



10130991-XXXLF AS SHOWN
 RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
 FOR 10130991-XXXLF SCREW MOUNT TYPE
 (AS VIEWED FROM COMPONENT SIDE)



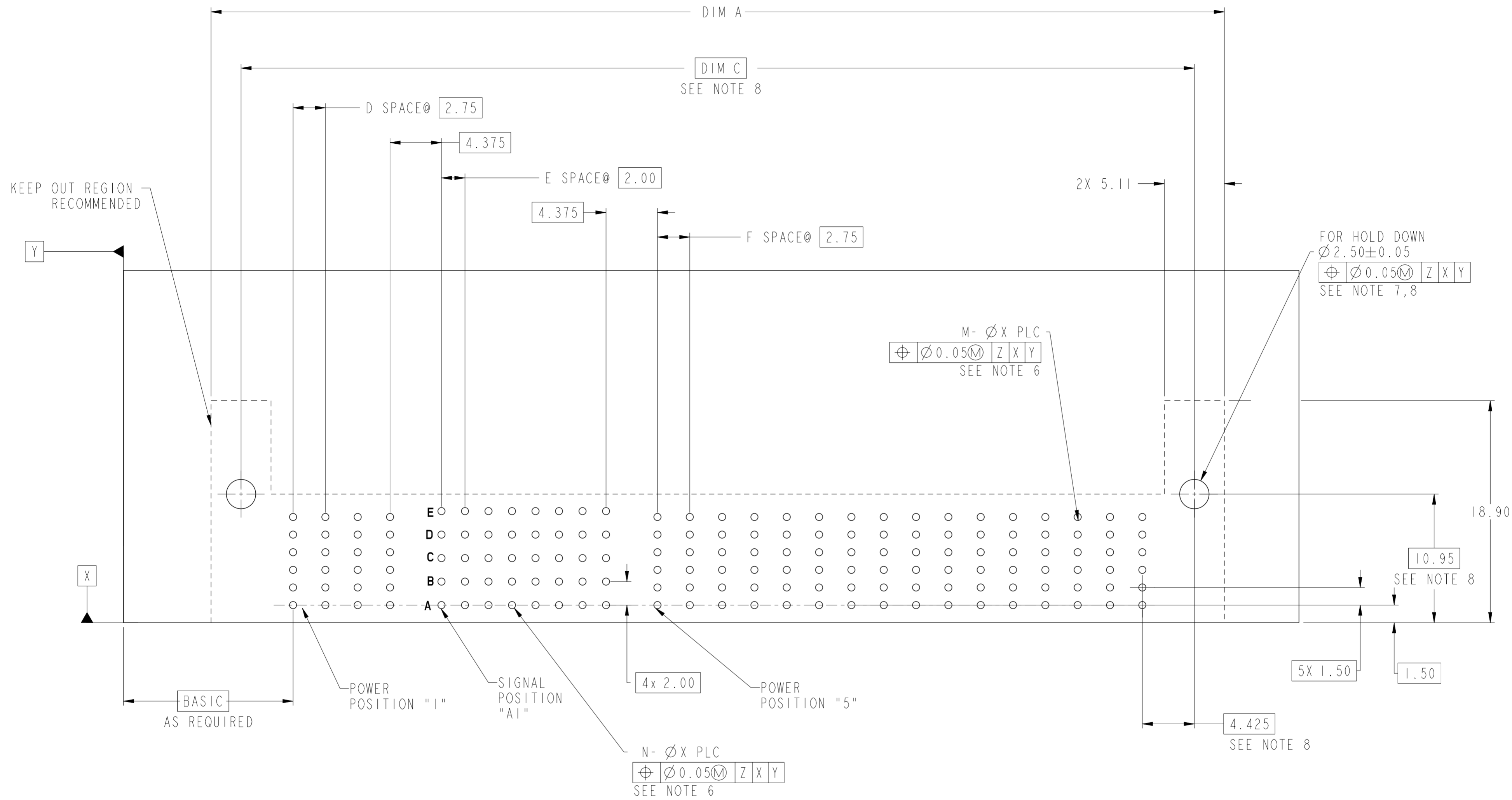
spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/18	projection	MM	size	A2	scale	5:1	
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04		PwrLoPro	ecn no	-	rel level	Released	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Li-He	2014/09/04			product family	PwrLoPro		rel level	Released
surface	linear	appr	Pai-Ming Zheng	2014/09/04			title	PWR LoPro HEADER ASSEMBLY		rev	A
	angular						RA, PASSIVE GUIDE, P+S+P	cat. no.	-	Product - Customer Drw	sheet 3 of 7



HOLE DOWN TYPE AS SHOWN

spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/16	projection	MM	size	A2	scale	1:1										
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04			ecn no	-	rel level	Released										
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Li-He	2014/09/04																
		appr	Pai-Ming Zheng	2014/09/04																
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.30</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.20</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.30		0.XX	±0.20		0.XXX	±0.10	angular	0°	±2°			title PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, P+S+P		product family PwrLoPro	dwg no 10130991	rev A
linear	0.X	±0.30																		
	0.XX	±0.20																		
	0.XXX	±0.10																		
angular	0°	±2°																		
ASME Y14.5		www.fci.com		cat. no.	-		Product - Customer Drw		sheet 4 of 7											

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10130991-001LF AS SHOWN
 RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
 FOR 10130991-XXXLF HOLD DOWN TYPE
 (AS VIEWED FROM COMPONENT SIDE)

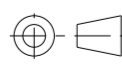
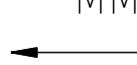
spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/16	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04		PwrLoPro	rel level	Released	cat. no.	Product - Customer Drw
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Li-He	2014/09/04						
		appr	Pei-Ming Zheng	2014/09/04						
surface	ASME Y14.5	linear	0.X	±0.30		PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, P+S+P	10130991	rev A	sheet 5 of 7	
			0.XX	±0.20						
		angular	0°	±2°						

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	20
10130991-001LF 4P+40S+16P	E	H	-	-	2	2	32222	32222	32222	32222	32222	32222	32222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	D																												
	C																												
	B																												
	A																												

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	2014/07/16	projection	MM	size	A2	scale	1:1			
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04			ecn no	-	rel level	Released			
surface	✓	chr	Li-He	2014/09/04									
ASME Y14.5	linear	appr	Pai-Ming Zheng	2014/09/04									
	angular	0°	±2°	www.fci.com	product family	PwrLoPro	rel level	Released	title	PWR LoPro HEADER ASSEMBLY			
									RA, PASSIVE GUIDE,P+S+P	cat. no.	-	Product - Customer Drw	sheet 6 of 7

PDS: Rev :A


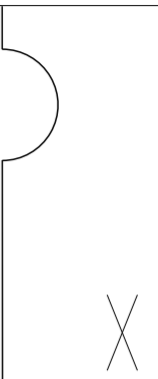
STATUS:Released

Printed: Sep 05, 2014

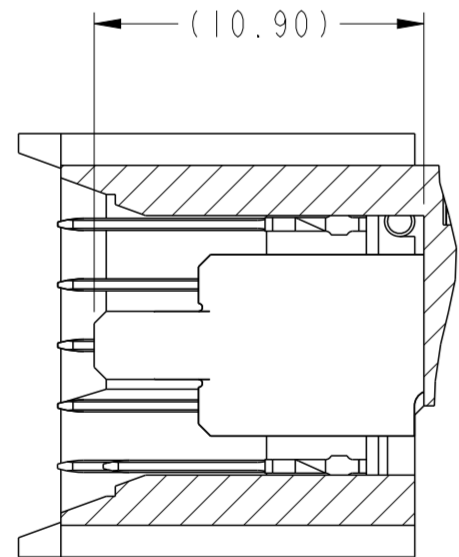
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CUSTOMER LOADING WORKSHEET FOR SIGNAL & POWER SEQUENCING LEVELS

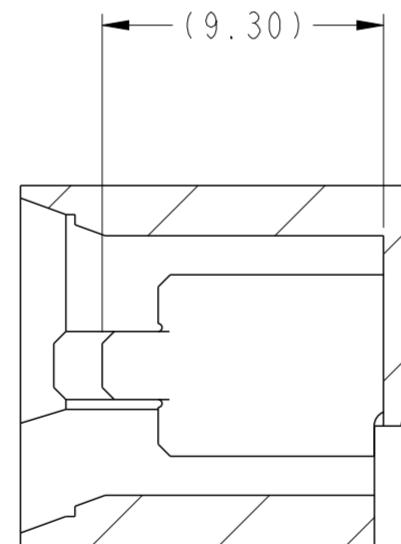
PWR LO PRO - MATING FACE OF HEADER CONNECTOR(4)

E																																				
D																																				
C																																				
B																																				
A																																				
ROWS	MOUNTING FEATURE(3)	1	2	3	4	5	6	1	2	3	4	5	6	7	8	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	MOUNTING FEATURE(3)
		POWER CONTACTS						SIGNAL CONTACTS								POWER CONTACTS																				

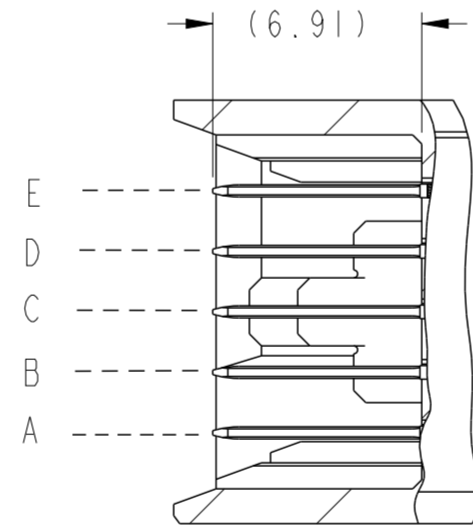
- 1). LOAD WITH CHOICE OF 2 POWER CONTACT MATING LEVELS, SEE SECTIONS KM & KR FOR AVAILABLE LEVEL OPTIONS.
- 2). LOAD WITH CHOICE OF 3 SIGNAL CONTACT MATING LEVELS, SEE SECTIONS KA,KB,&KC FOR AVAILABLE LEVEL OPTIONS.
- 3). MOUNTING FEATURE OPTION "X"
 - H : HOLD DOWN TYPE
 - S : SCREW MOUNT TYPE
- 4). 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.



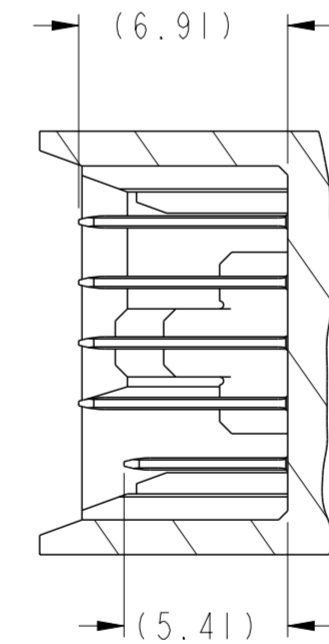
POWER SECTION KM-KM LEVEL 1: LONGEST MATING CONTACTS



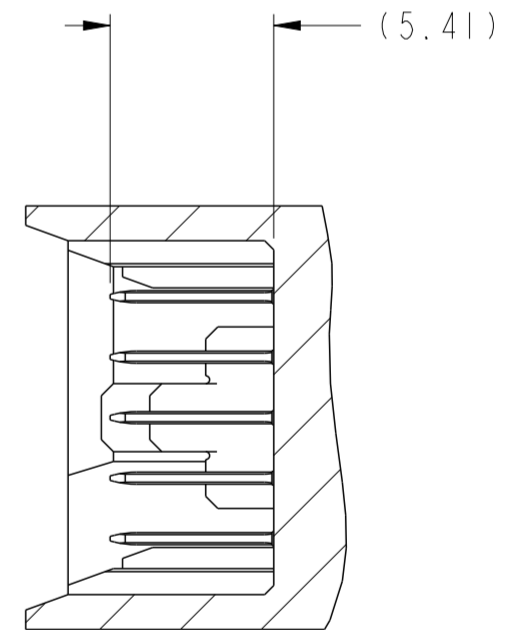
POWER SECTION KR-KR LEVEL 2: SHORTEST MATING CONTACTS



SIGNAL SECTION KA-KA LEVEL 2: ALL LONGEST CONTACTS

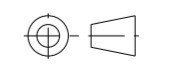
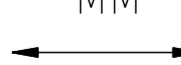


SIGNAL SECTION KB-KB LEVEL 3222 (MIXED): ROW "A", SHORTEST CONTACT ROW "B" THRU "E", LONGEST CONTACTS



SIGNAL SECTION KC-KC LEVEL 3: ALL SHORTEST CONTACTS

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spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/16	projection	MM	size	A2	scale	1:1														
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04			ecn no	-	rel level	Released														
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.30</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.20</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.30								0.XX	±0.20		0.XXX	±0.10	angular	0°	±2°	chr	Li-He	2014/09/04	product family	PwrLoPro
linear	0.X	±0.30																						
	0.XX	±0.20																						
	0.XXX	±0.10																						
angular	0°	±2°																						
ASME Y14.5		appr	Pei-Ming Zheng	2014/09/04	cat. no.	-	Product - Customer Drw	sheet 7 of 7																