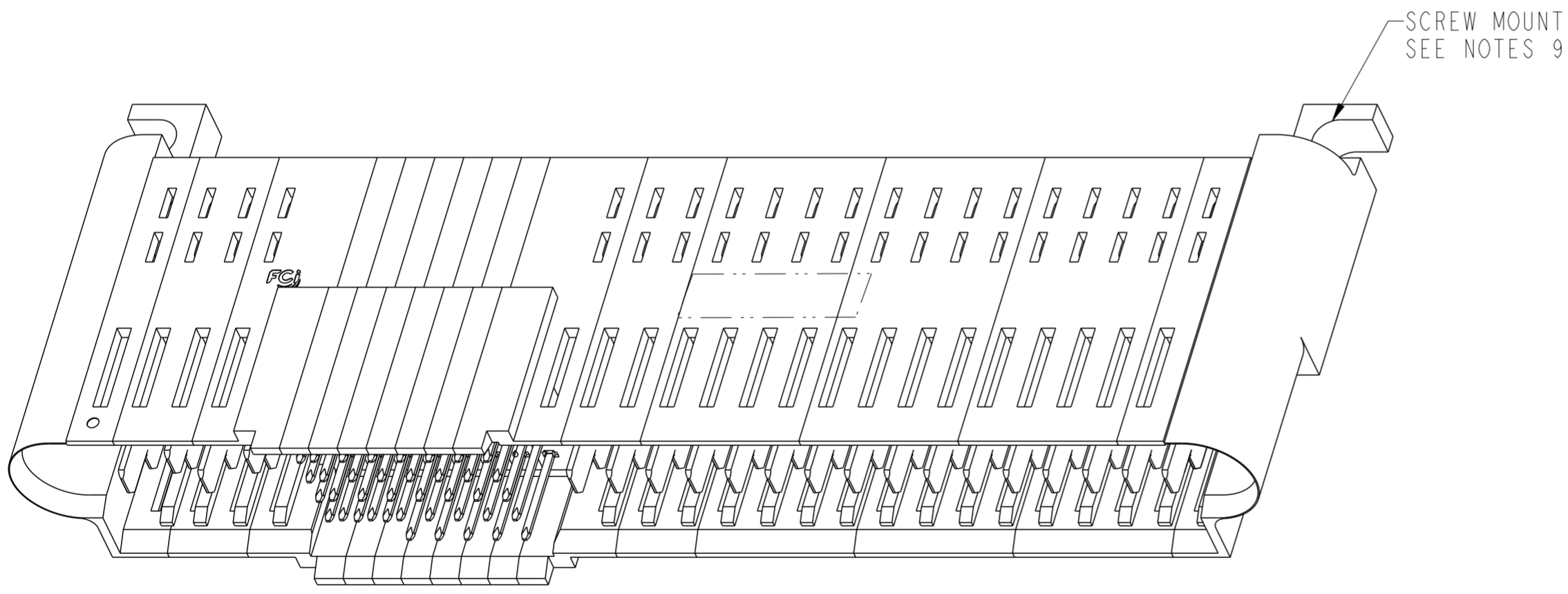


**CONFIGURATION SHOWN  
HOLD DOWN TYPE**



**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



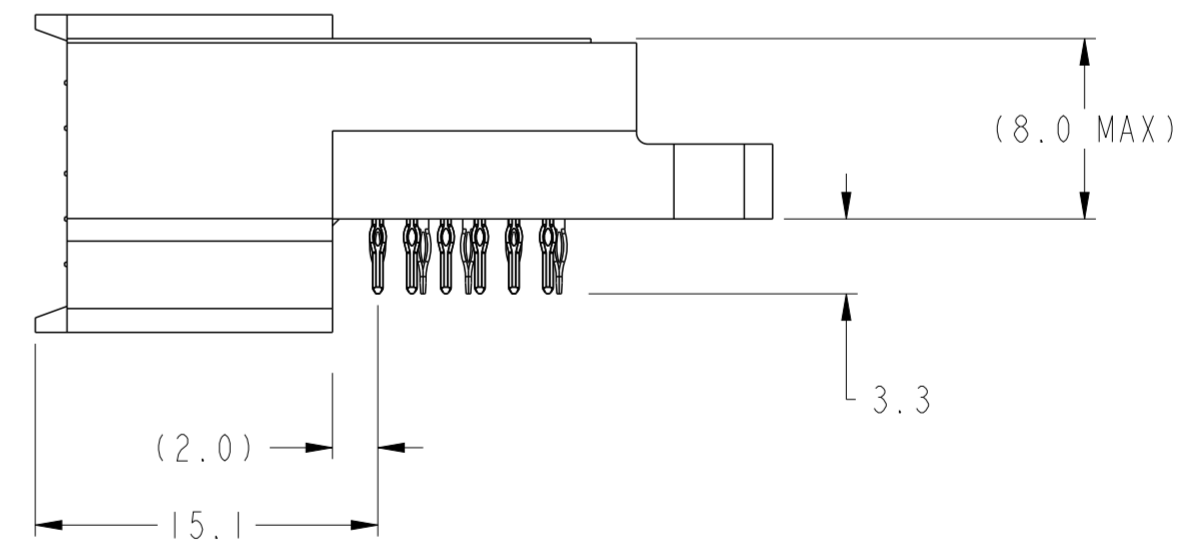
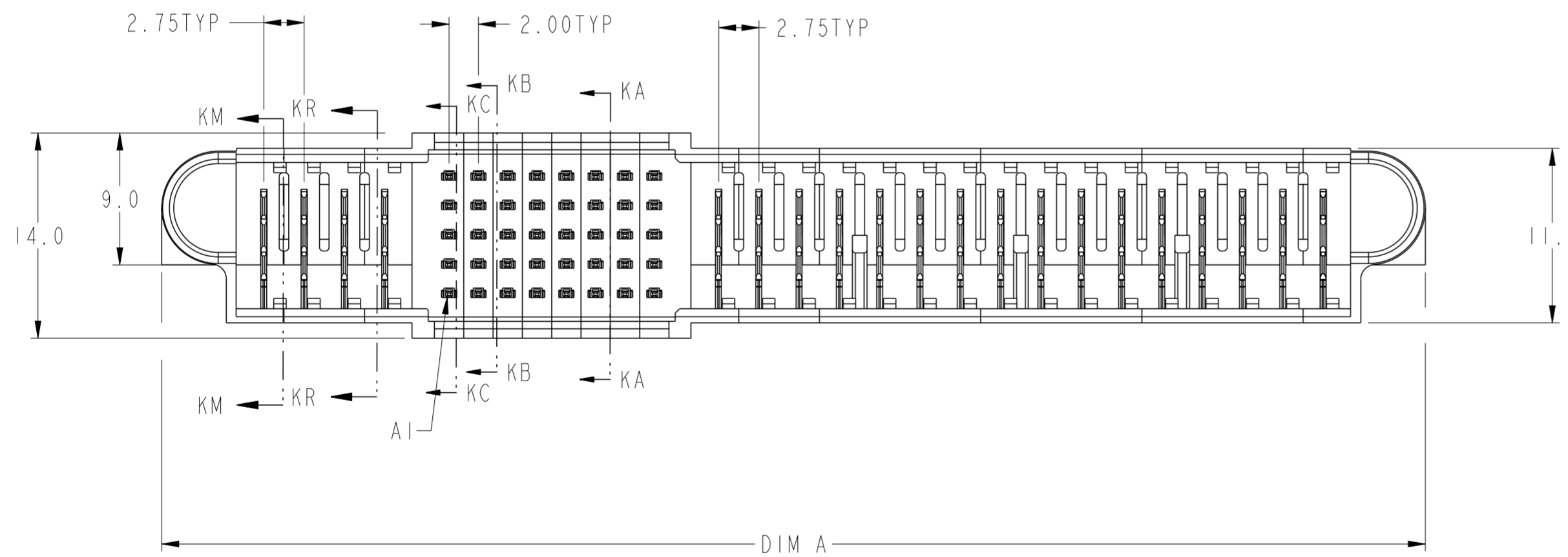
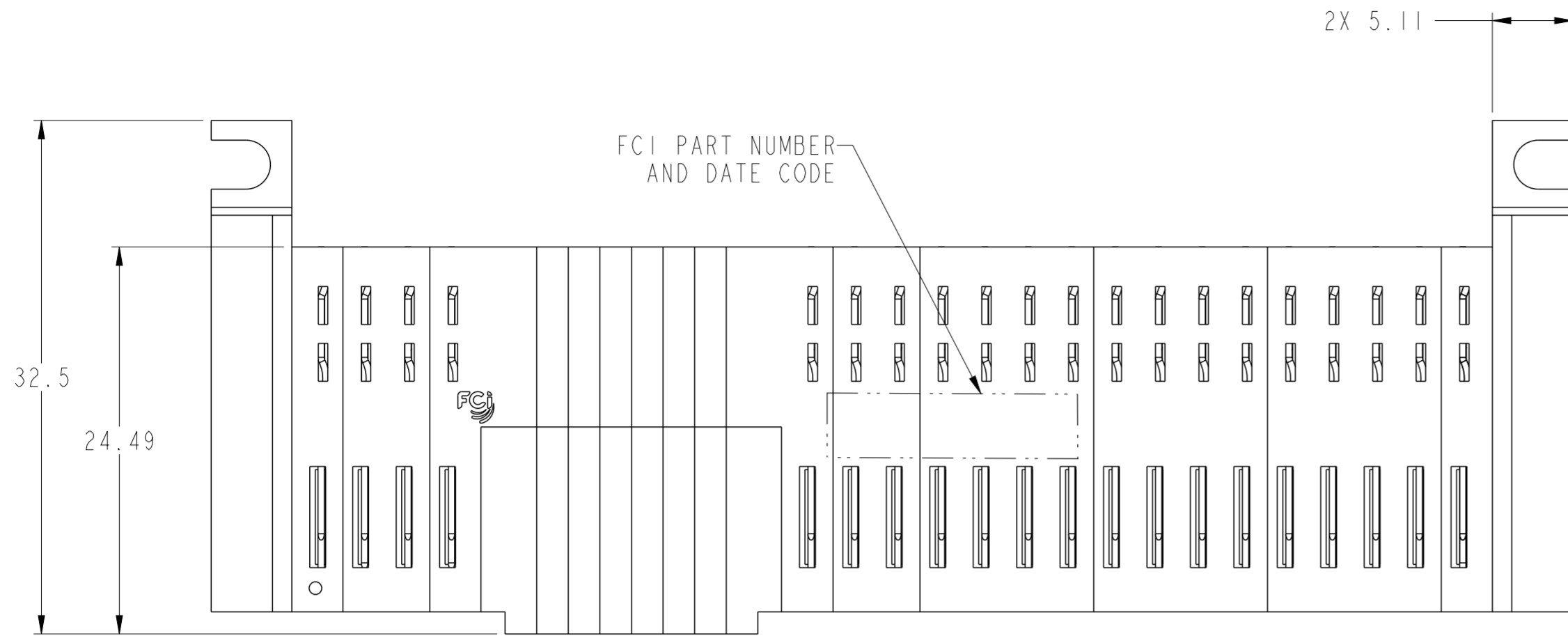
Copyright FCI.

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	linear	0.X	±0.30			<b>PWR LoPro HEADER ASSEMBLY</b> RA, PASSIVE GUIDE, P+S+P		dwg no 10130991	rev A	
ASME Y14.5	0.XX	±0.20								
	0.XXX	±0.10								
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 7		

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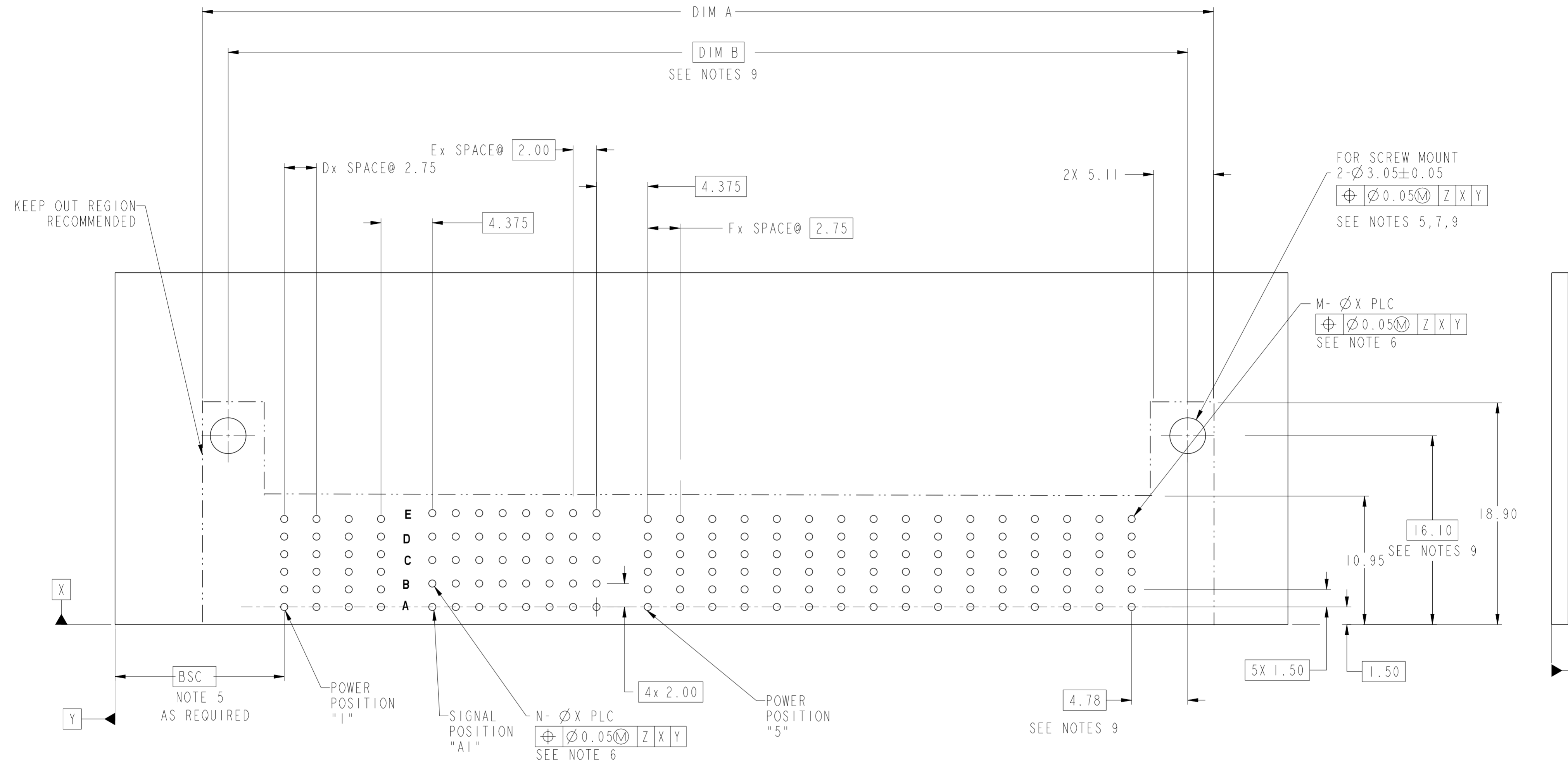
STATUS:Released

Printed: Sep 05, 2014



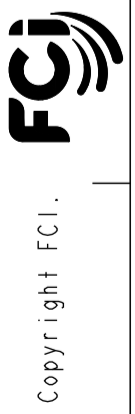
SCREW MOUNT TYPE AS SHOWN

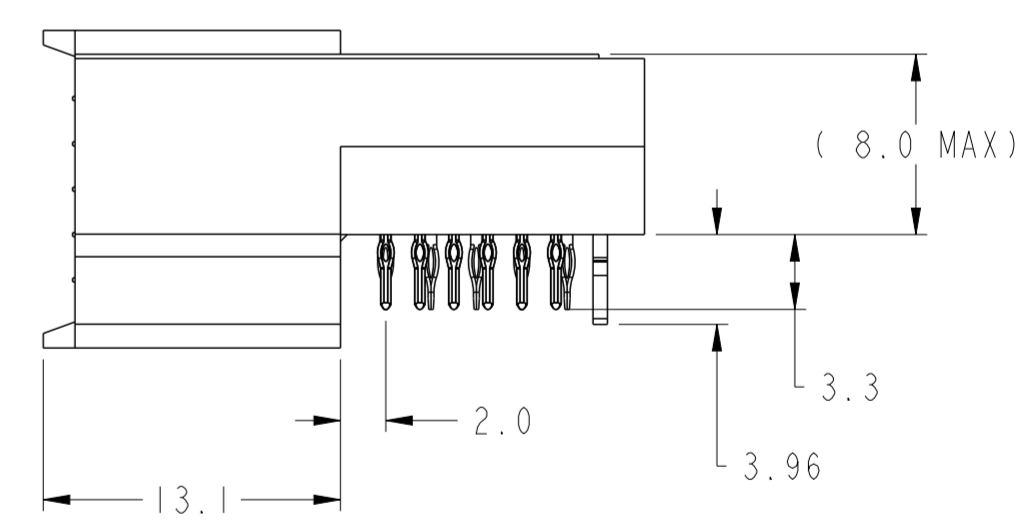
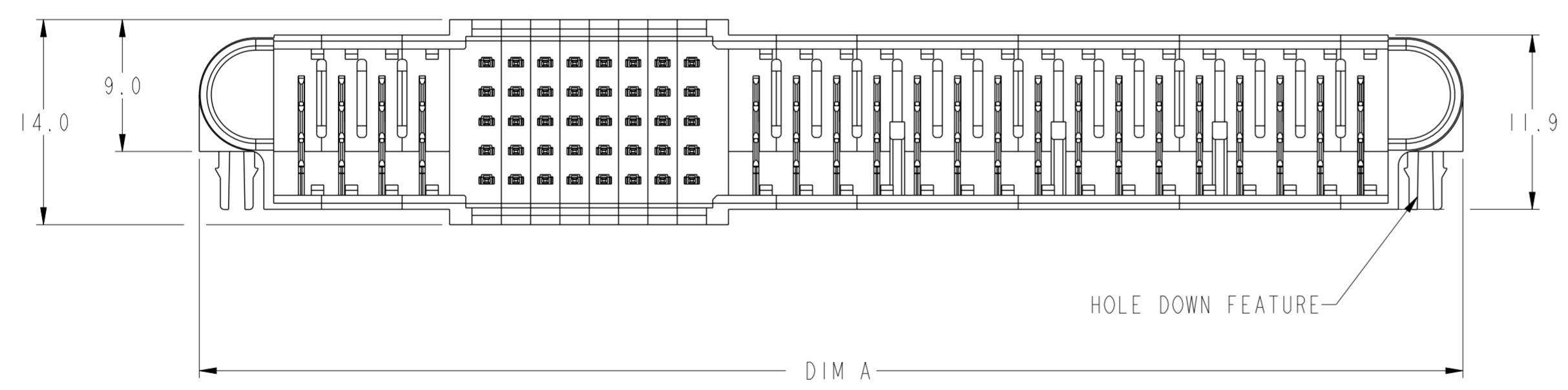
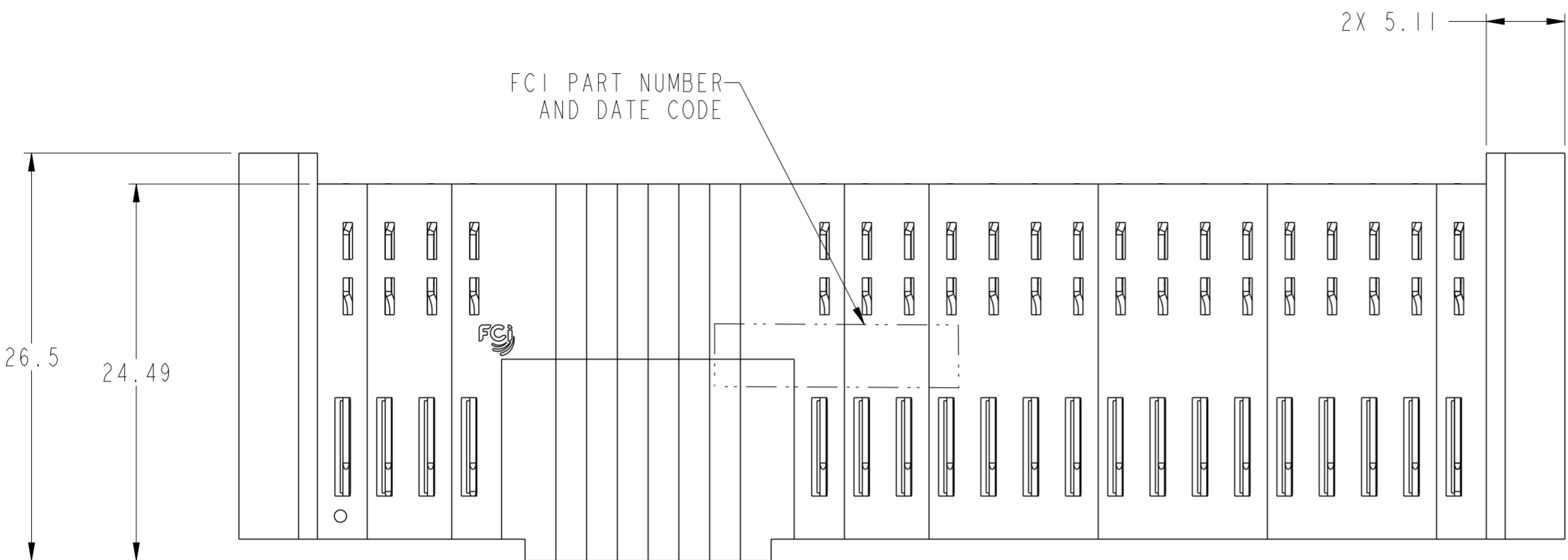
spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/16	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Li-He	2014/09/04						
surface	✓	appr	Pai-Ming Zheng	2014/09/04	product family	PwrLoPro	rel level	Released	rev	A
ASME Y14.5	linear	0.X	±0.30		title		PWR LoPro HEADER ASSEMBLY		cat. no. - Product - Customer Drw	sheet 2 of 7
		0.XX	±0.20		RA, PASSIVE GUIDE,P+S+P		10130991			
	angular	0°	±2°		www.fci.com					



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

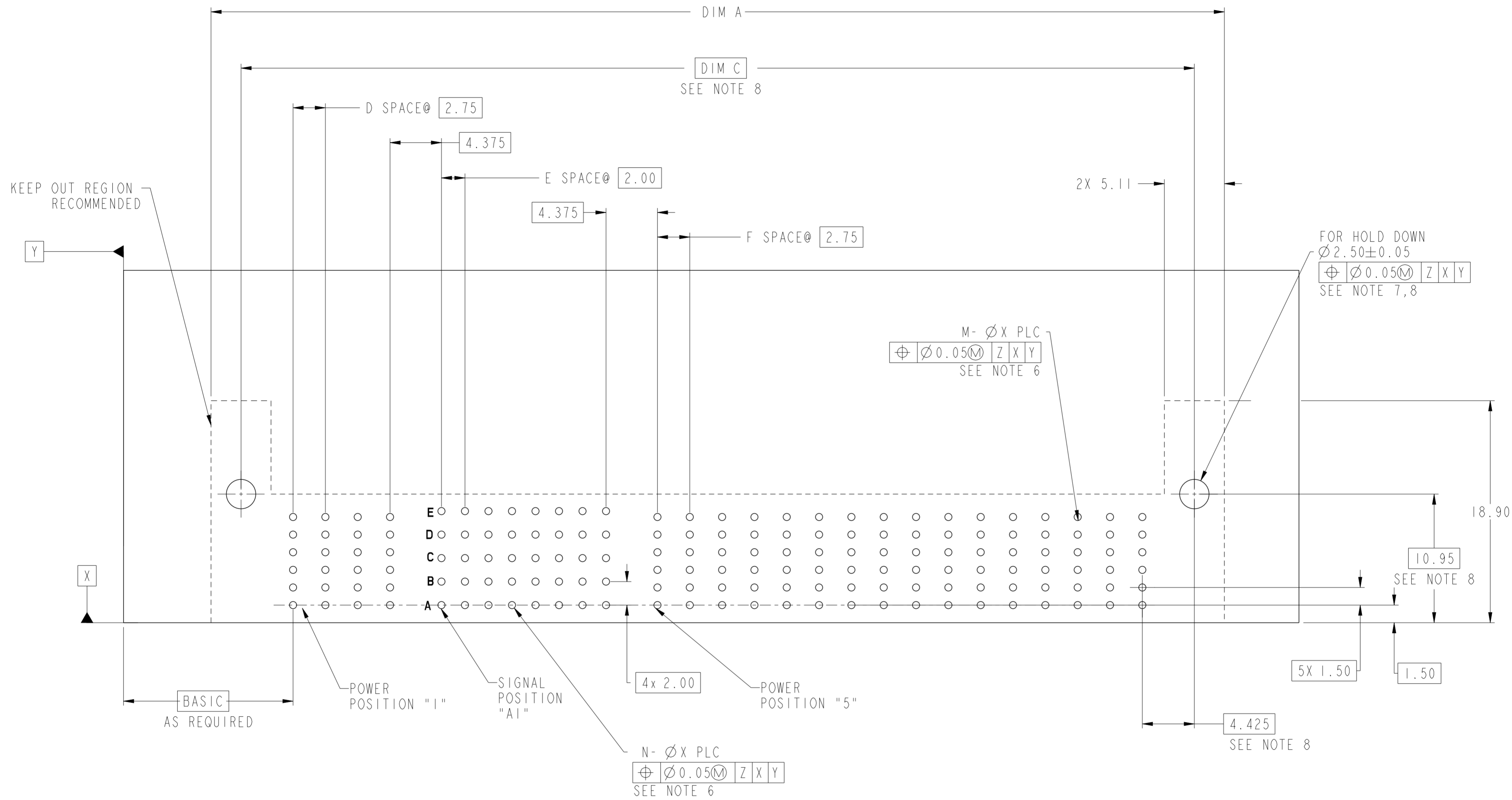
Copyright FCI.

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	✓	linear	0.X	±0.30	product family	PwrLoPro	rel level	Released	title	PWR LoPro HEADER ASSEMBLY
			0.XX	±0.20	cat. no.	-	Product - Customer Drw	sheet 4 of 7	rev	A
		angular	0°	±2°	www.fci.com				dwg no	10130991

PDS: Rev :A

STATUS:Released

Printed: Sep 05, 2014



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

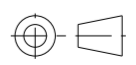
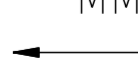
spec ref	SEE NOTE	dr	Eddy Zeng	2014/07/16	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Eddy Zeng	2014/09/04		PwrLoPro	rel level	Released	cat. no.	Product - Customer Drw
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Li-He	2014/09/04						
		appr	Pei-Ming Zheng	2014/09/04						
surface	ASME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

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	-	-	2	2	32222	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	cat. no.	-	Product - Customer Drw	sheet 6 of 7		

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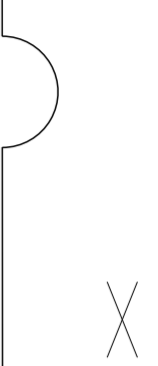
STATUS:Released

Printed: Sep 05, 2014

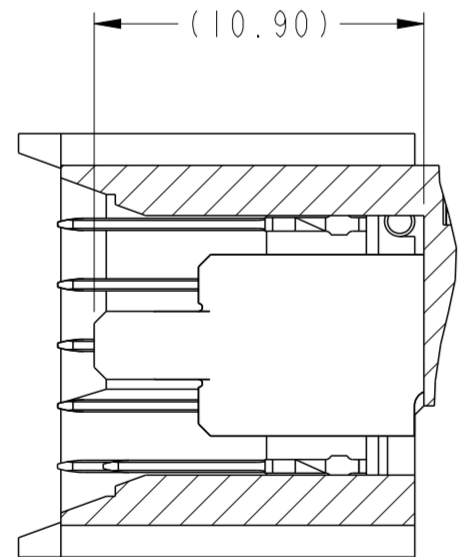
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CUSTOMER LOADING WORKSHEET FOR SIGNAL & POWER SEQUENCING LEVELS

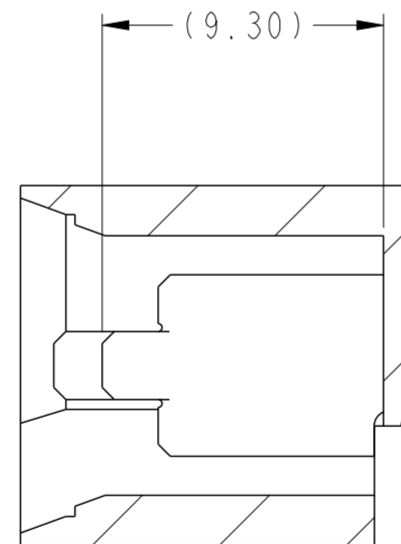
PWR LO PRO - MATING FACE OF HEADER CONNECTOR(4)

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																				

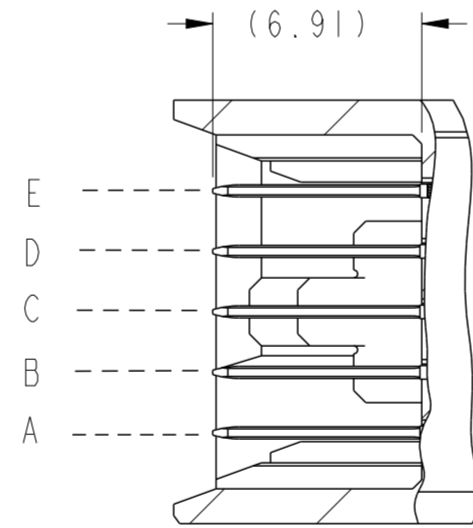
- 1). LOAD WITH CHOICE OF 2 POWER CONTACT MATING LEVELS, SEE SECTIONS KM & KR FOR AVAILABLE LEVEL OPTIONS.
- 2). LOAD WITH CHOICE OF 3 SIGNAL CONTACT MATING LEVELS, SEE SECTIONS KA,KB,&KC FOR AVAILABLE LEVEL OPTIONS.
- 3). MOUNTING FEATURE OPTION "X"  
 - H : HOLD DOWN TYPE  
 - S : SCREW MOUNT TYPE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



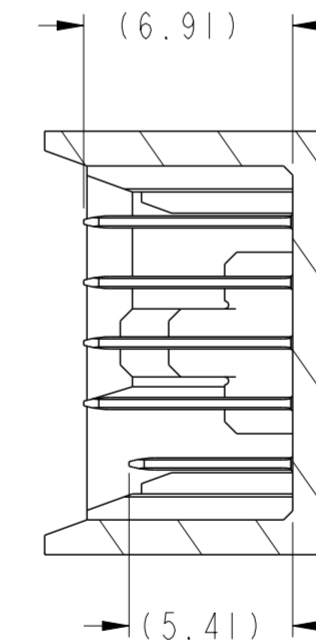
POWER SECTION KM-KM LEVEL 1: LONGEST MATING CONTACTS



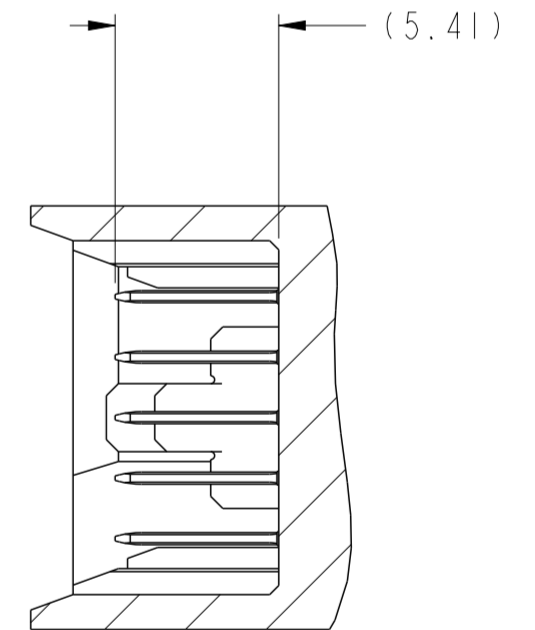
POWER SECTION KR-KR LEVEL 2: SHORTEST MATING CONTACTS



SIGNAL SECTION KA-KA LEVEL 2: ALL LONGEST CONTACTS


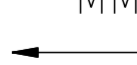



SIGNAL SECTION KB-KB LEVEL 3222 (MIXED): ROW "A", SHORTEST CONTACT ROW "B" THRU "E", LONGEST CONTACTS



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	✓	chr	Li-He	2014/09/04						
ASME Y14.5	angular	appr	Pai-Ming Zheng	2014/09/04						
linear	0.X ±0.30 0.XX ±0.20 0.XXX ±0.10			TITLE PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE,P+S+P		cat. no.	Product - Customer Drw	sheet 7 of 7		



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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

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