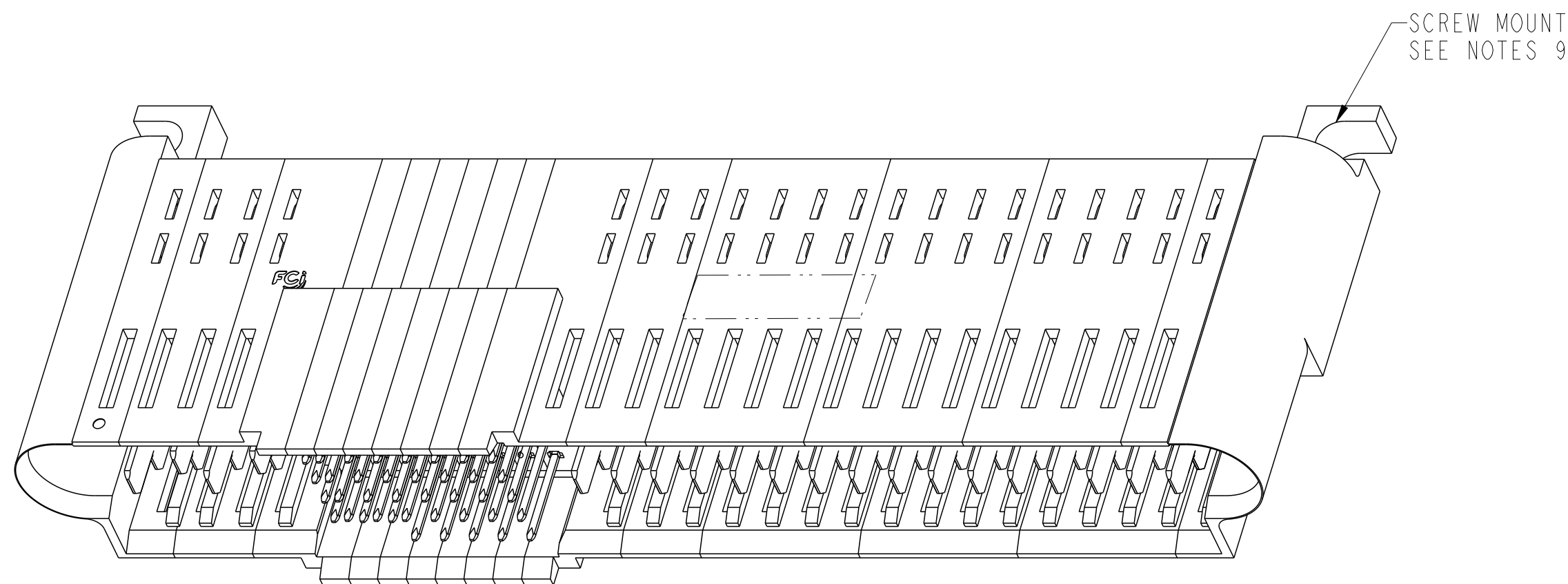


CONFIGURATION SHOWN
HOLD DOWN TYPE






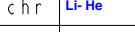
CONFIGURATION SHOWN
SCREW MOUNT TYPE

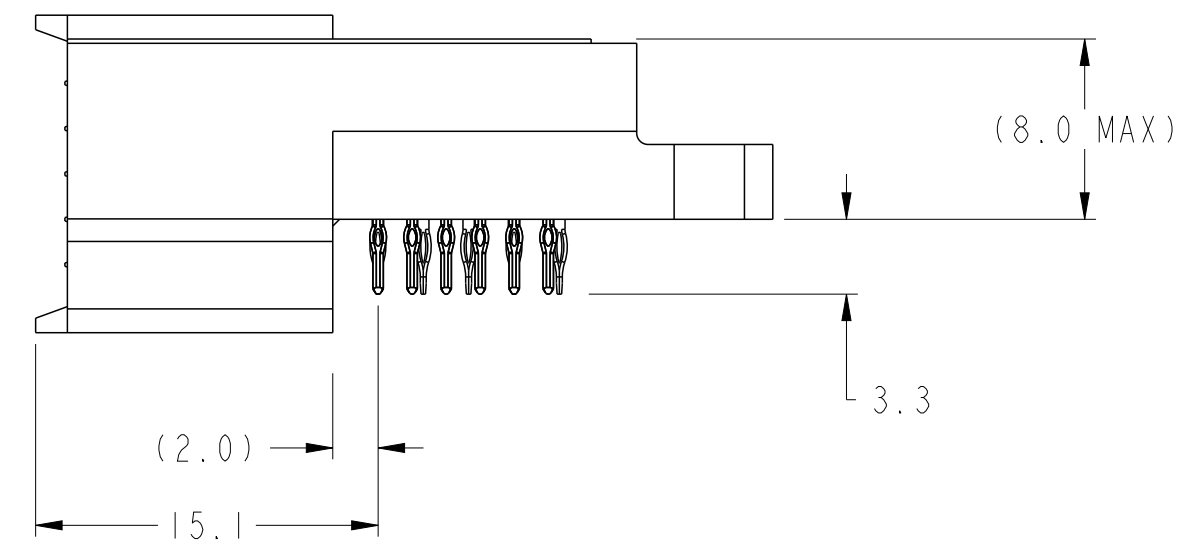
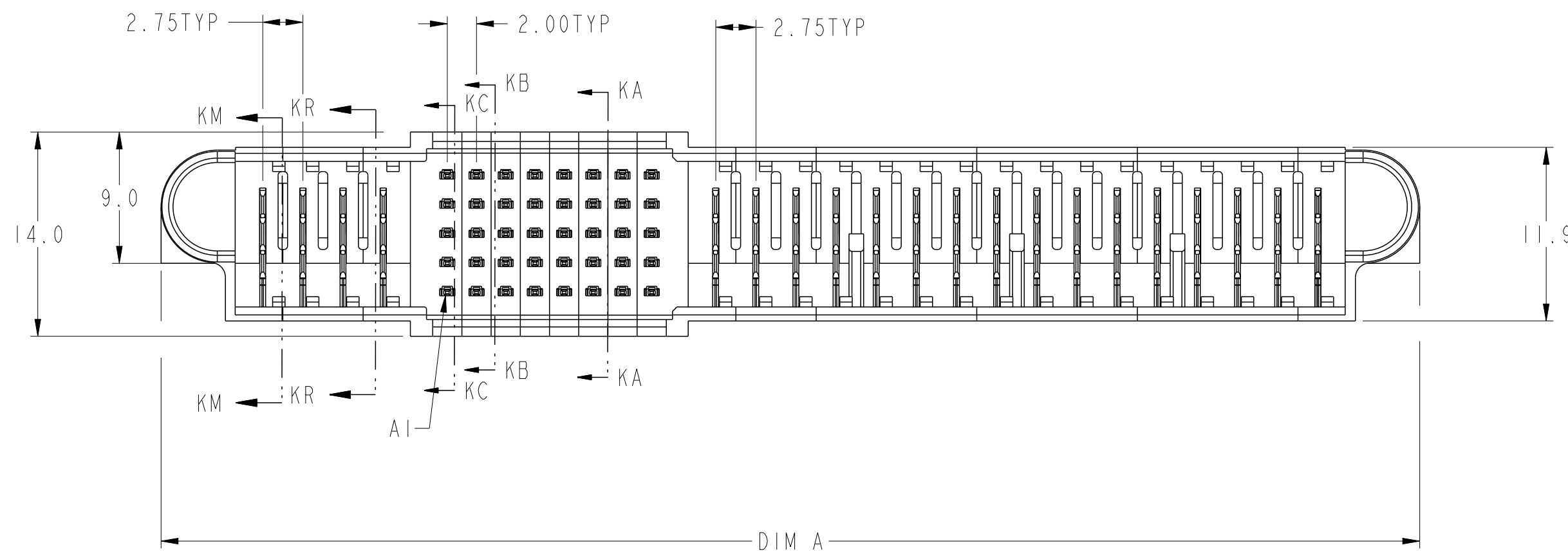
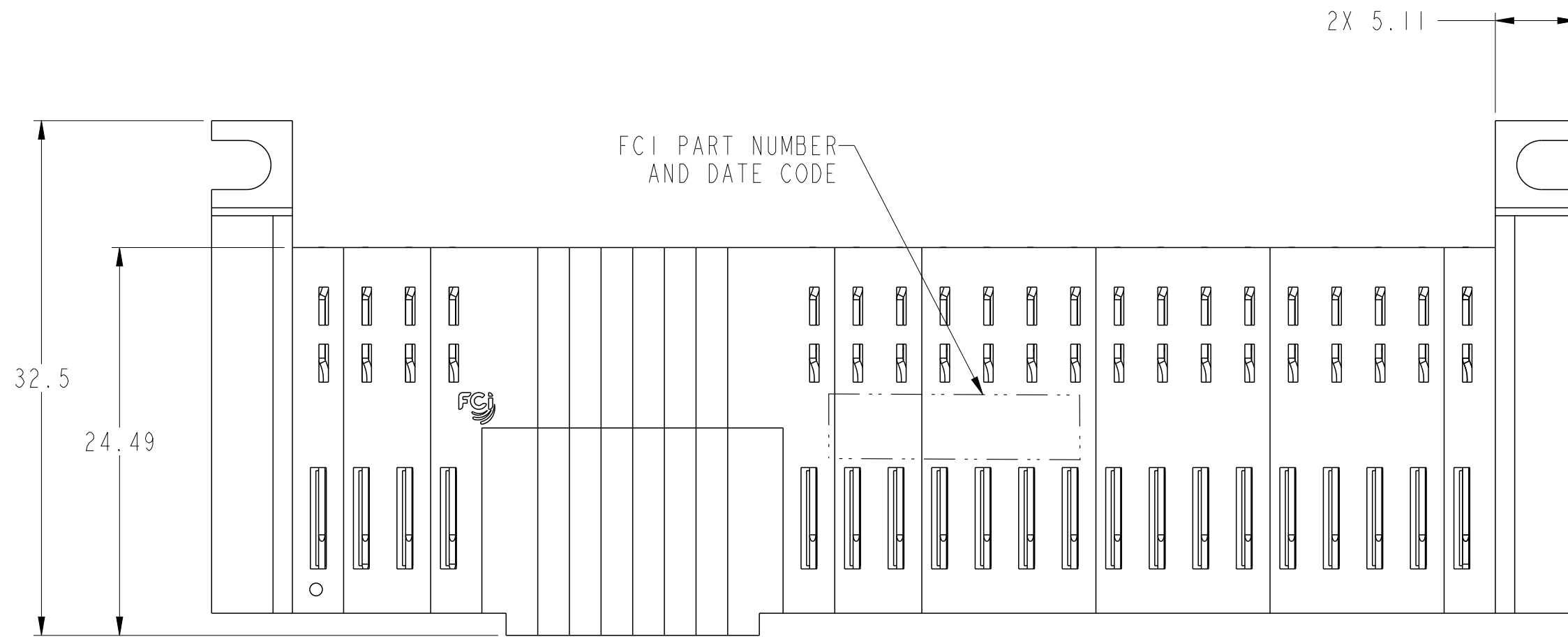
NOTES:

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 μ m MIN Ni UNDERPLATING ALL OVER WITH 0.76 μ m MIN GXT IN CONTACT MATING AREA, AND 0.5 μ m MIN MATTE TIN ON TAIL AREA.

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

PLATING ON HOLD DOWN IF APPLICABLE: 1.27 μ m MIN Ni, UNDERPLATING ALL OVER WITH 0.76 μ 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 $\varnothing 0.61 \pm 0.05$ mm, FOR SOLDER $\varnothing 0.90 \pm 0.05$ 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

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		-											
ASME Y14.5				chr		Li-He	2014/09/04					rel level		Released											
-				appr		Pei-Ming Zheng	2014/09/04					product family		PwrLoPro											
surface			linear				title		PWR LoPro HEADER ASSEMBLY						dwg no		10130991		rev		A				
ASME Y14.5																						0.X		±0.30	
																						0.XX		±0.20	
				0.XXX		±0.10																			
		angular		0°		±2°		www.fci.com		cat. no.		-		Product -		Customer Drw		sheet 1 of 7							



SCREW MOUNT TYPE AS SHOWN

spec ref		SEE NOTE		dr		Eddy Zeng	2014/07/18	projection		MM		size		A2	scale		3:1										
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Eddy Zeng	2014/09/04					ecn no		-													
ASME Y14.5				chr		Li-He	2014/09/04					rel level		Released													
-		appr		Pei-Ming Zheng	2014/09/04	product family		PwrLoPro																			
surface				linear		0.X ±0.30		0.XX ±0.20				0.XXX ±0.10		angular		0° ±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 7	
ASME Y14.5																											

KEEP OUT REGION
RECOMMENDED

X

Y

A

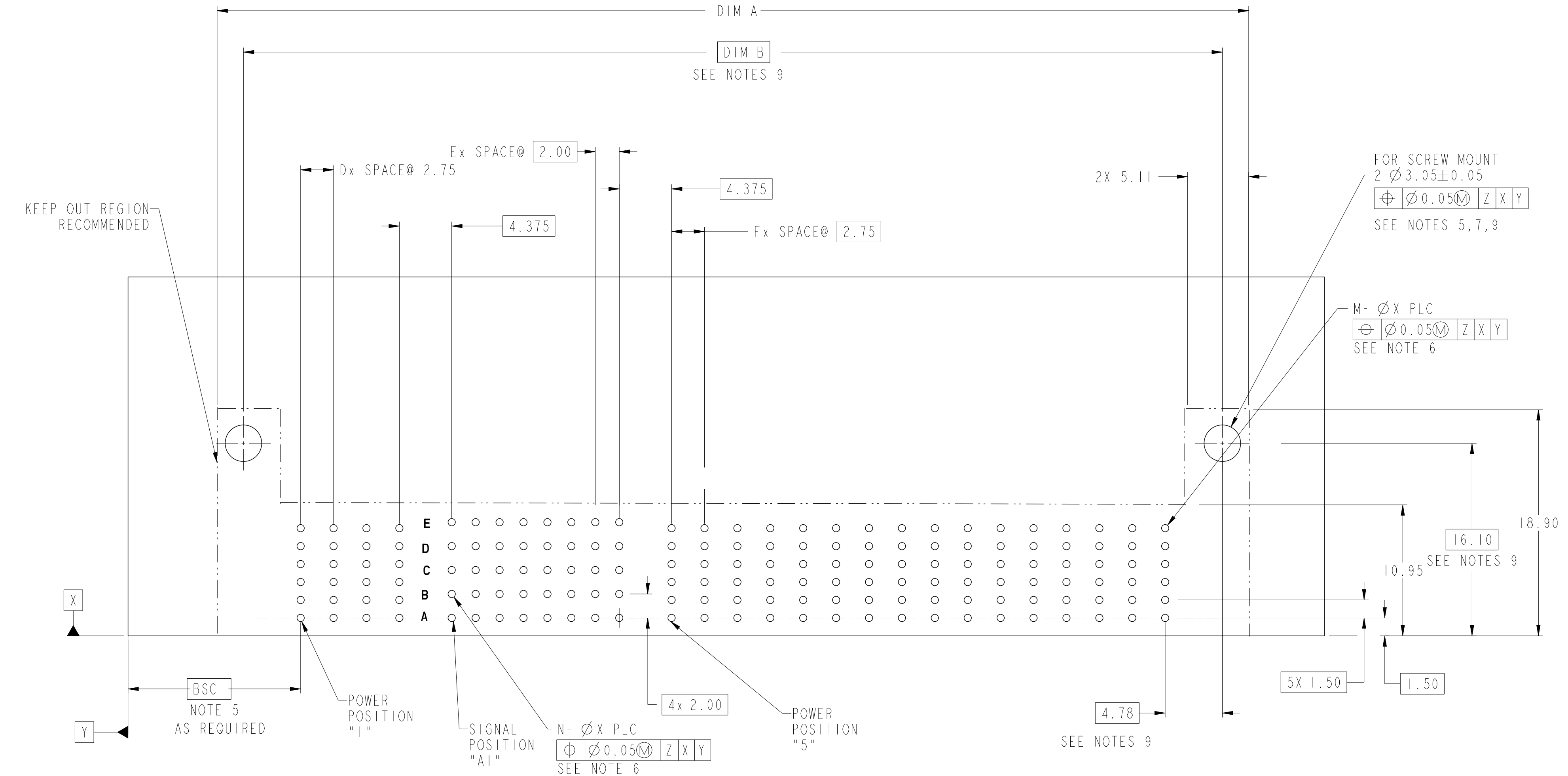
B

C





D

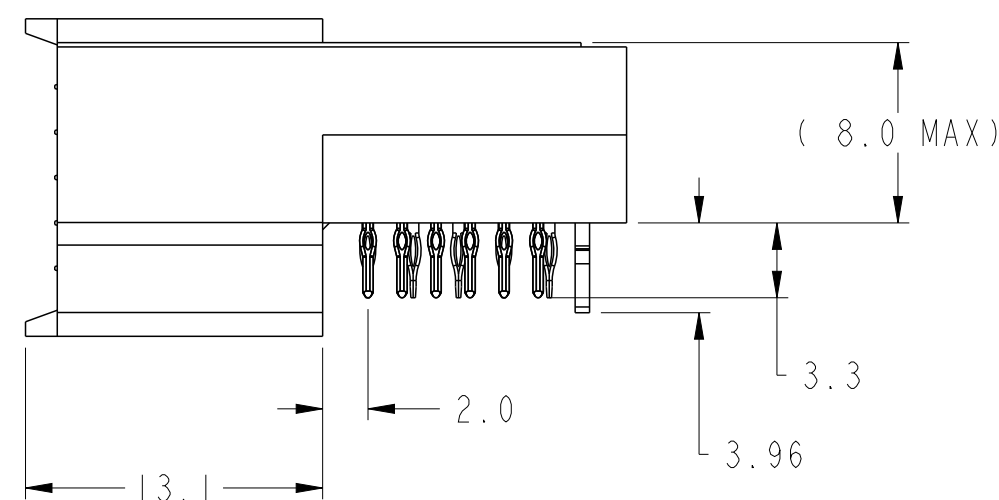
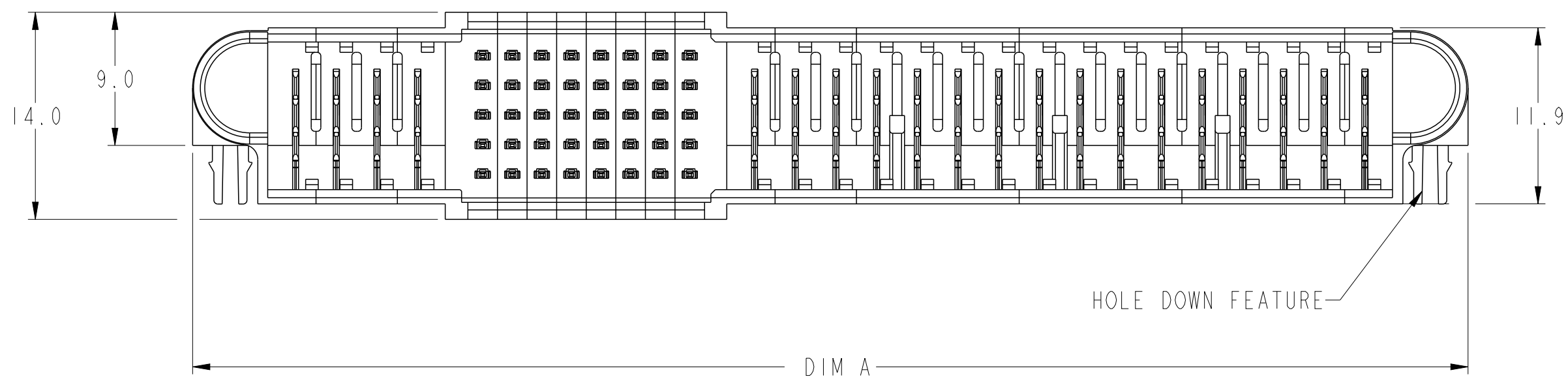
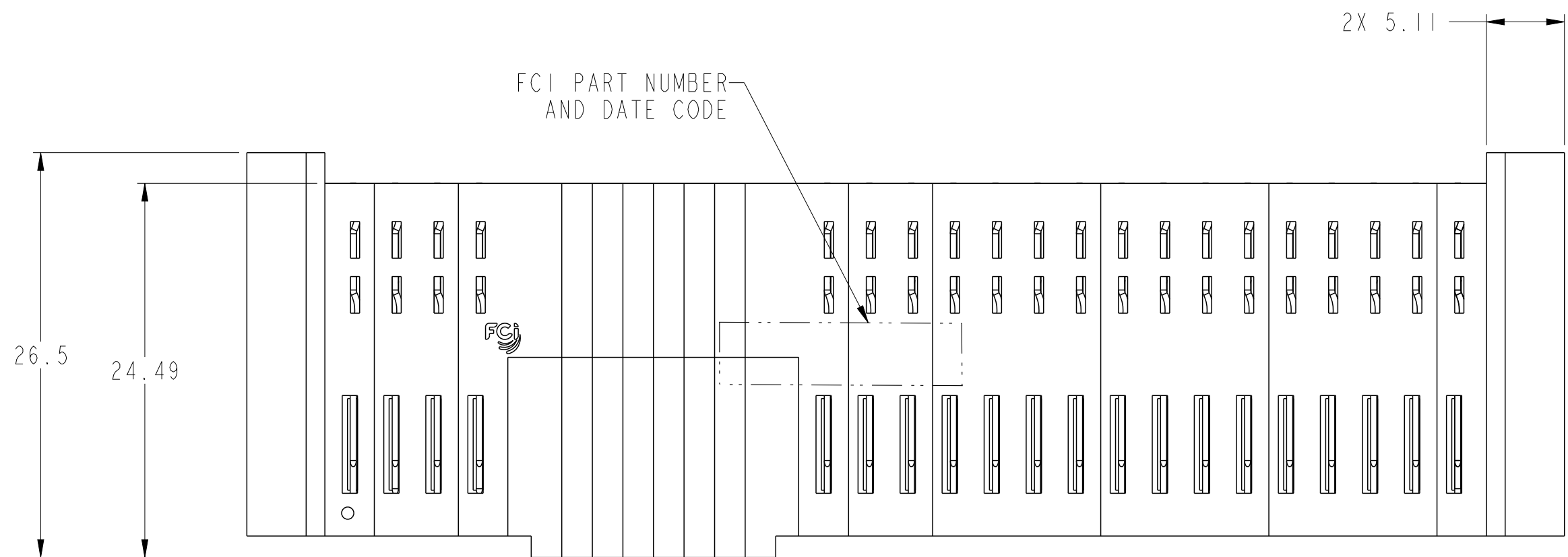
E

F


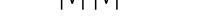




10130991-XXXLF AS SHOWN
RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
FOR 10130991-XXXLF SCREW MOUNT TYPE
(AS VIEWED FROM COMPONENT SIDE)




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



HOLE DOWN TYPE AS SHOWN

spec ref		SEE NOTE		dr		Eddy Zeng	2014/07/18	projection		MM		size		A2	scale		1:1						
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											
		linear				title		PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE,P+S+P				dwg no		10130991				rev		A			
		0.X																				±0.30	
		0.XX																				±0.20	
ASME Y14.5		0.XXX		±0.10																			
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			-	-	2	2	32222	32222	32222	32222	32222	32222	32222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	D			-	-	2	2	32222	32222	32222	32222	32222	32222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	C			-	-	2	2	32222	32222	32222	32222	32222	32222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	B			-	-	2	2	32222	32222	32222	32222	32222	32222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	A			-	-	2	2	32222	32222	32222	32222	32222	32222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

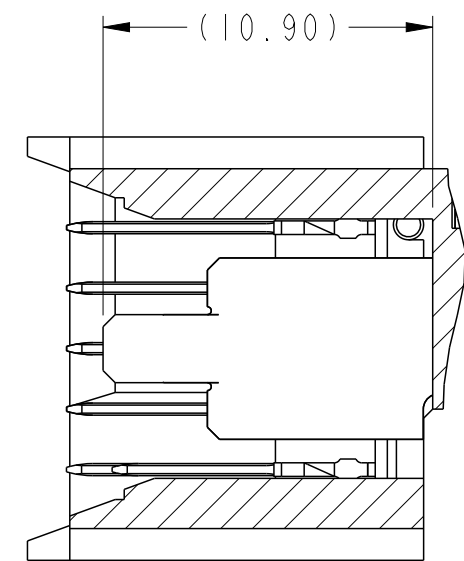
VIEWED FROM MATING FACE:

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

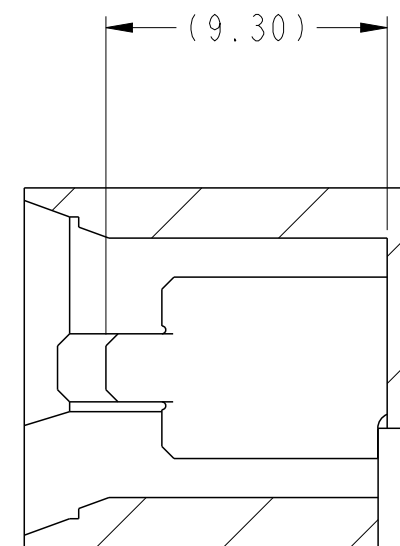
spec ref	SEE NOTE			dr	Eddy Zeng	2014/07/18		projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Eddy Zeng	2014/09/04			PwrLoPro	ecn no			-
ASME Y14.5				chr	Li-He	2014/09/04				rel level			Released
-				appr	Pei-Ming Zheng	2014/09/04							
surface		linear	0.X	±0.30		PWR LoPro HEADER ASSEMBLY	cat. no.	-	Product - Customer Drw	sheet 6 of 7	rev	A	10130991
ASME Y14.5			0.XX	±0.20									
		angular	0°	±2°									

CUSTOMER LOADING WORKSHEET FOR SIGNAL & POWER SEQUENCING LEVELS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
PWR LO PRO - MATING FACE OF HEADER CONNECTOR(4)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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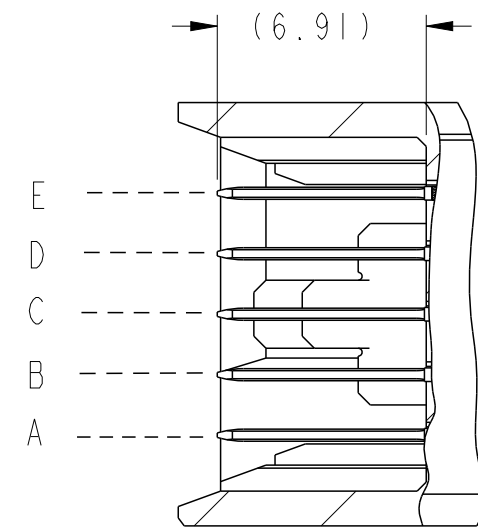
- 1). LOAD WITH CHOICE OF 2 POWER CONTACT MATING LEVELS, SEE SECTIONS KM & KR FOR AVAILABLE LEVEL OPTIONS.
- 2). LOAD WITH CHOICE OF 3 SIGNAL CONTACT MATING LEVELS, SEE SECTIONS KA,KB,&KC FOR AVAILABLE LEVEL OPTIONS.
- 3). MOUNTING FEATURE OPTION "X"
- H : HOLD DOWN TYPE
- S : SCREW MOUNT TYPE
- 4). 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.



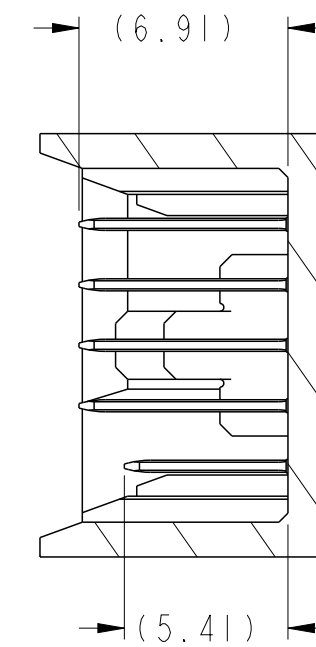
POWER
SECTION KM-KM
LEVEL 1:
LONGEST MATING
CONTACTS



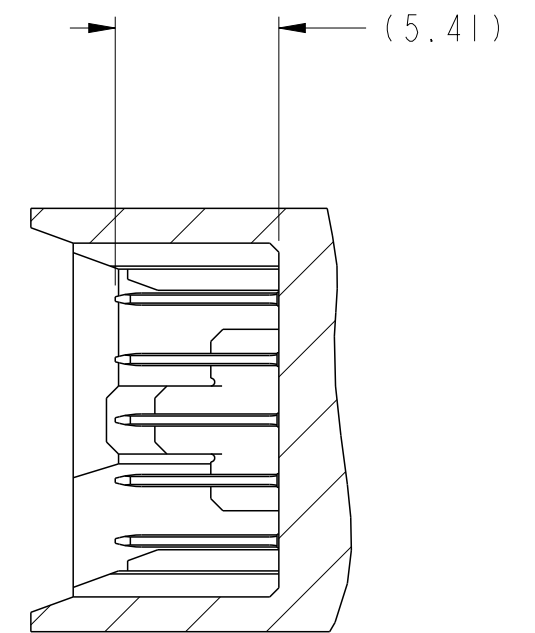
POWER
SECTION KR-KR
LEVEL 2:
SHORTEST MATING
CONTACTS



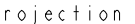
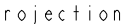


SIGNAL
SECTION KA-KA
LEVEL 2:
ALL LONGEST
CONTACTS



SIGNAL
SECTION KB-KB
LEVEL 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				size		A2	scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Eddy Zeng	2014/09/04			MM		ecn no		-		rel level		Released
ASME Y14.5				chr		Li-He	2014/09/04											
-				appr		Pei-Ming Zheng	2014/09/04											
surface			linear	0.X	±0.30			title		PWR LoPro HEADER ASSEMBLY		dwg no		10130991		rev		A
ASME Y14.5				0.XX	±0.20													
			angular	0°	±0.10													
					±2°	www.fci.com		cat. no.		-		Product - Customer Drw		sheet 7 of 7				