

HOUSING

FIRST CIRCUIT INDICATOR

FCI PART NUMBER AND DATE CODE

HOLD DOWN SEE NOTES 8

SIGNAL CONTACTS

POWER CONTACTS

25Sx10P CONFIGURATION SHOWN
HOLD DOWN TYPE

SCREW MOUNT SEE NOTES 9

25Sx10P CONFIGURATION SHOWN
SCREW MOUNT TYPE

NOTES:

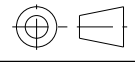
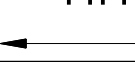
- HOUSING MATERIAL: GF LCP, COLOR: BLACK, UL 94 V-0 RATED
SIGNAL CONTACT MATERIAL: PHOSPHOR BRONZE
SIGNAL PIN OVERMOLD MATERIAL: GF POLYESTER
POWER CONTACT MATERIAL: COPPER ALLOY
- PLATING ON SIGNAL CONTACTS: 1.27µm Ni UNDERPLATING ALL OVER WITH 0.76µm GXT IN CONTACT MATING AREA, AND 0.5µm MATTE TIN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

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

PLATING ON HOLD DOWN IF APPLICABLE: 1.27µm Ni, UNDERPLATING ALL OVER WITH 0.76µm MATTE TIN OVER.
- LUBRICATION: LUBRICATE ON CONTACT AREA.
- RECOMMENDED PCB THICKNESS IS:
FOR PRESS FIT APPLICATION: 1.4mm MIN
FOR SOLDER APPLICATION: 1.40mm THROUGH 2.62mm.
- FOR SCREW MOUNT APPLICATIONS, A #4-40 UNC PAN SCREW WITH HEX NUT IS RECOMMENDED (SUPPLIED BY CUSTOMER).
- FOR PRESS FIT $\varnothing 0.61 \pm 0.05\text{mm}$, FOR SOLDER $\varnothing 0.90 \pm 0.05\text{mm}$.
- UNPLATED HOLES.
- HOLD DOWN APPLICATION NEEDED.
- SCREW MOUNT APPLICATION NEEDED.
- PRODUCT SPECIFICATION: GS-12-1064
APPLICATION SPECIFICATION: GS-20-0362

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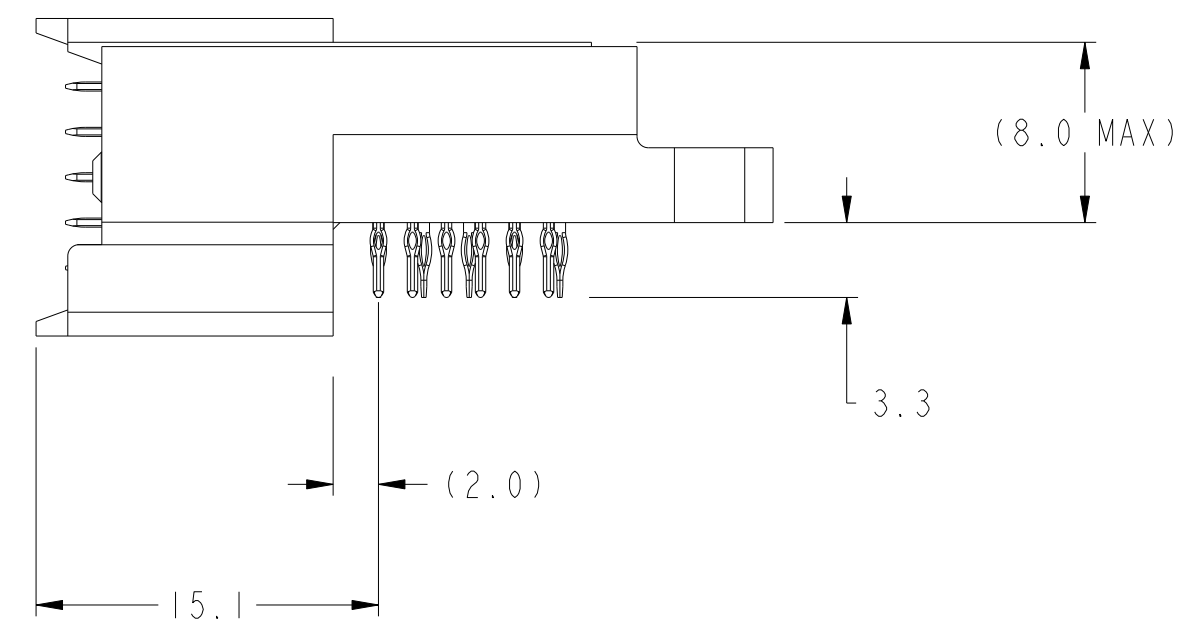
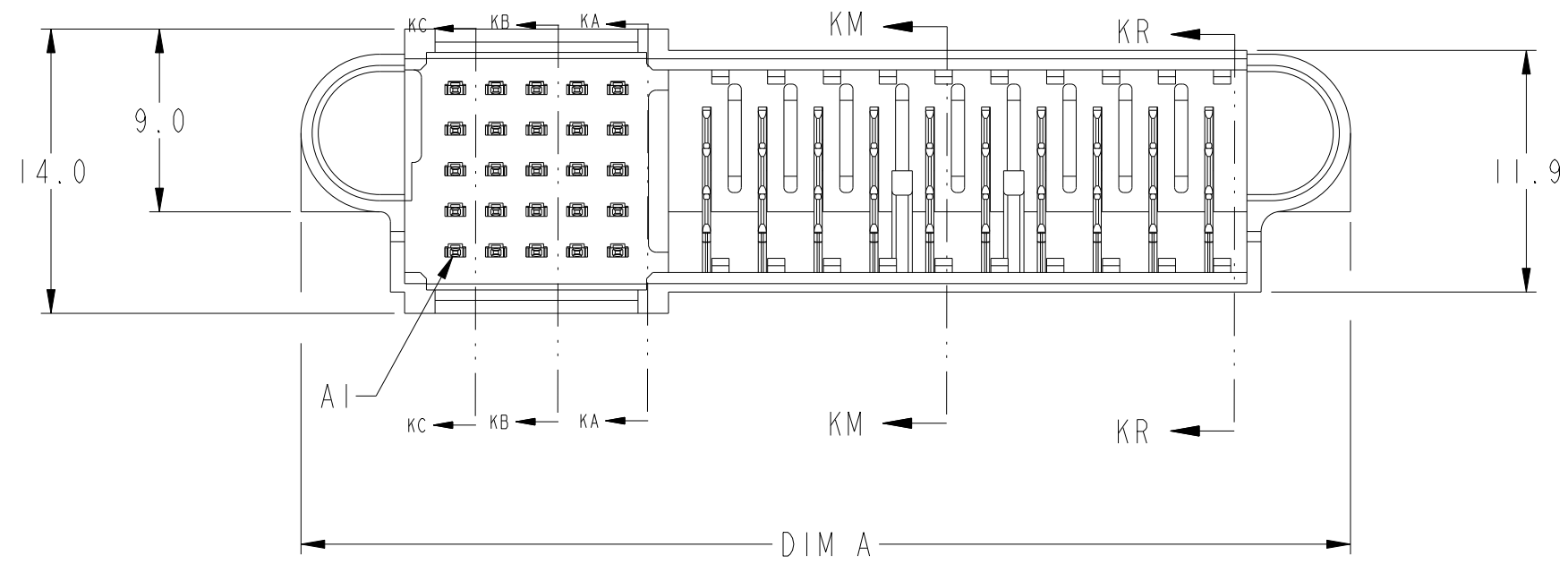
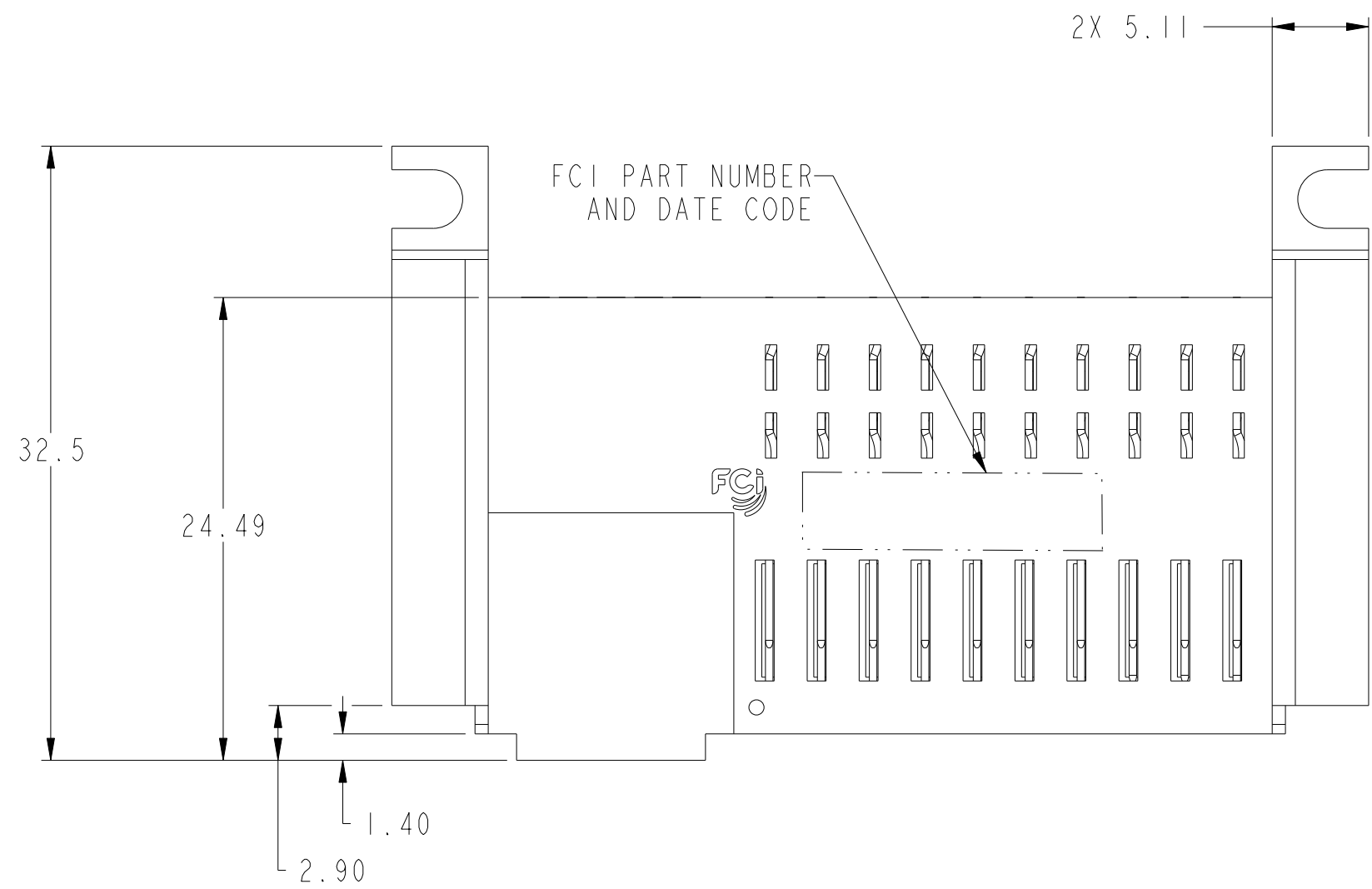
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spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Walker Wei	2019/05/07			ecn no	ELX-DG-33445-1		
ASME Y14.5		chr	-	rel level			Released			
-		appr	Zheng, Pei-Min	2019/05/08			product family	PwrLoPro		
surface	linear	0.X	±0.30	Amphenol FCi	PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, S+P	dwg no 10133129	rev B			
ASME Y14.5		0.XX	±0.20							
	angular	0°	±2°							
cat. no.					Product - Customer Drw		sheet 1 of 7			

PDS: Rev :B

STATUS:Released

Printed: May 10, 2019



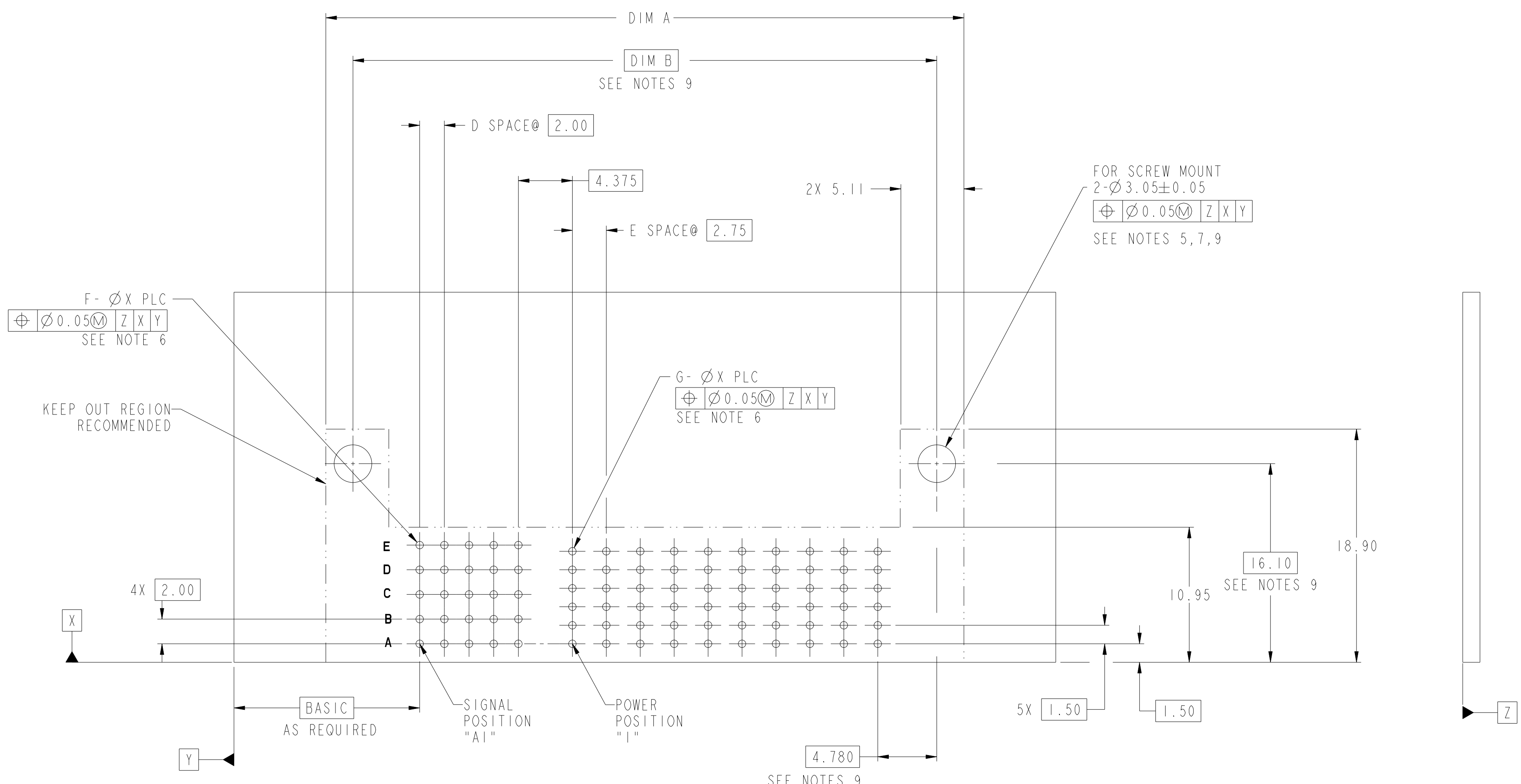
SCREW MOUNT TYPE AS SHOWN

spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	3:1			
tolerance std	ASME Y14.5	eng	Walker Wei	2019/05/07			ecn no	ELX-DG-33445-1					
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	appr			Zheng, Pei-Min	2019/05/08	product family	PwrLoPro	rel level	Released	
surface	linear	0.X	±0.30		PWR LoPro HEADER ASSEMBLY			title RA, PASSIVE GUIDE,S+P	cat. no.	Product - Customer Drw	sheet 2 of 7		
	ASME Y14.5	0.XX	±0.20		dwg no	10133129						rev	B
	angular	0°	±2°										

PDS: Rev :B

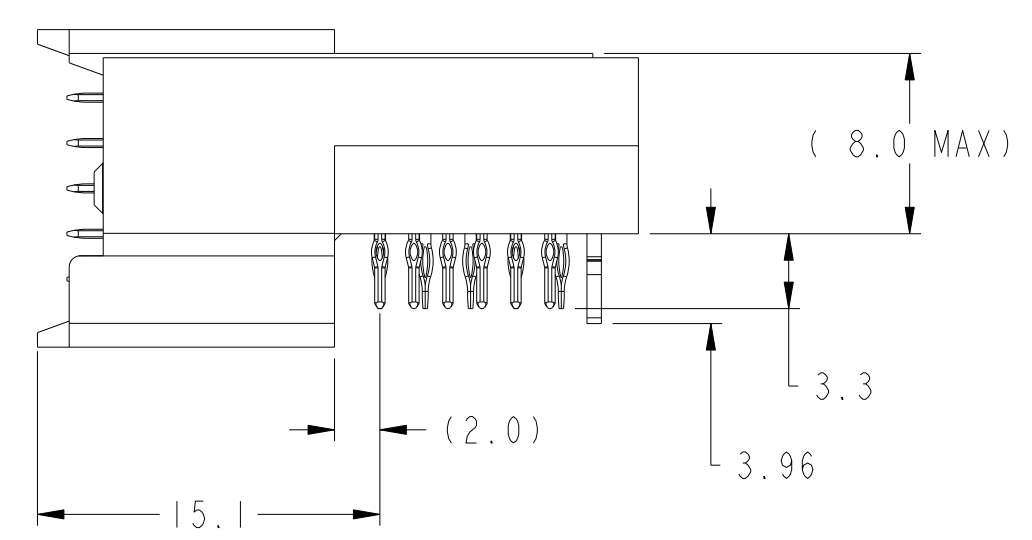
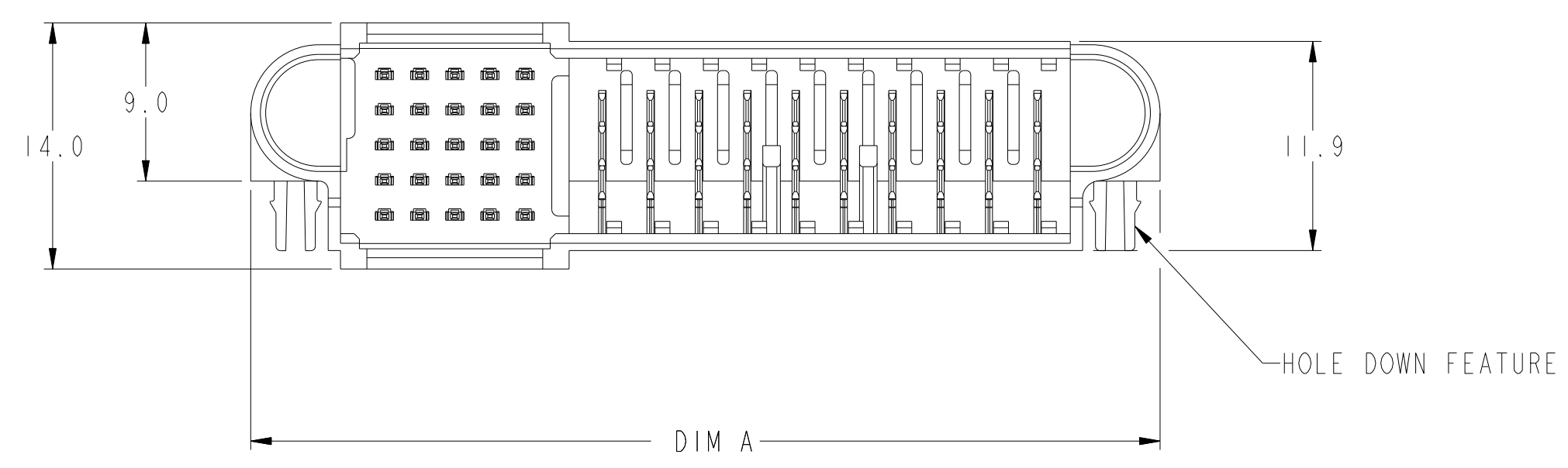
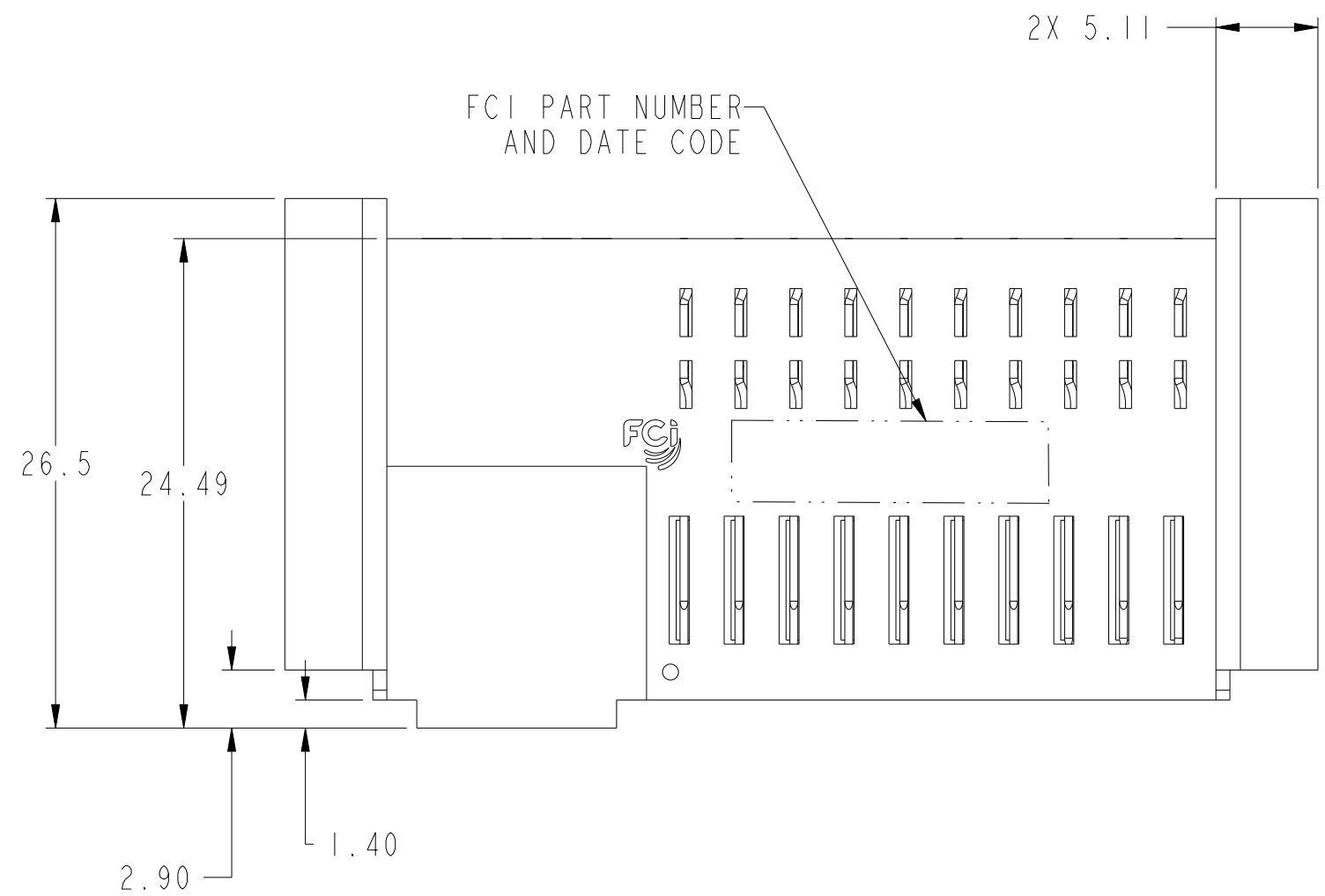
STATUS:Released

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25S+10P AS SHOWN
 RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
 FOR 10133129-XXXLF SCREW MOUNT TYPE
 (AS VIEWED FROM COMPONENT SIDE)

spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Walker Wei	2019/05/07			ecn no	ELX-DG-33445-1		
ASME Y14.5		chr	-	rel level			Released			
		appr	Zheng, Pei-Min	2019/05/08			product family	-		
surface	linear	0.X	±0.30	Amphenol FCI	PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, S+P	title	dwg no 10133129	rev B		
		0.XX	±0.20							
		0.XXX	±0.10							
ASME Y14.5	angular	0°	±2°	cat. no.	-	Product - Customer Drw	sheet 3 of 7			



HOLE DOWN TYPE AS SHOWN

spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Walker Wei	2019/05/07			ecn no	ELX-DG-33445-1		
		chr	-	rel level			Released			
surface	linear	0.X	±0.30	Amphenol FCI	PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, S+P	cat. no. -	dwg no	10133129		
		0.XX	±0.20				rev	B		
		0.XXX	±0.10				Product - Customer Drw	sheet 4 of 7		
ASME Y14.5	angular	0°	±2°							

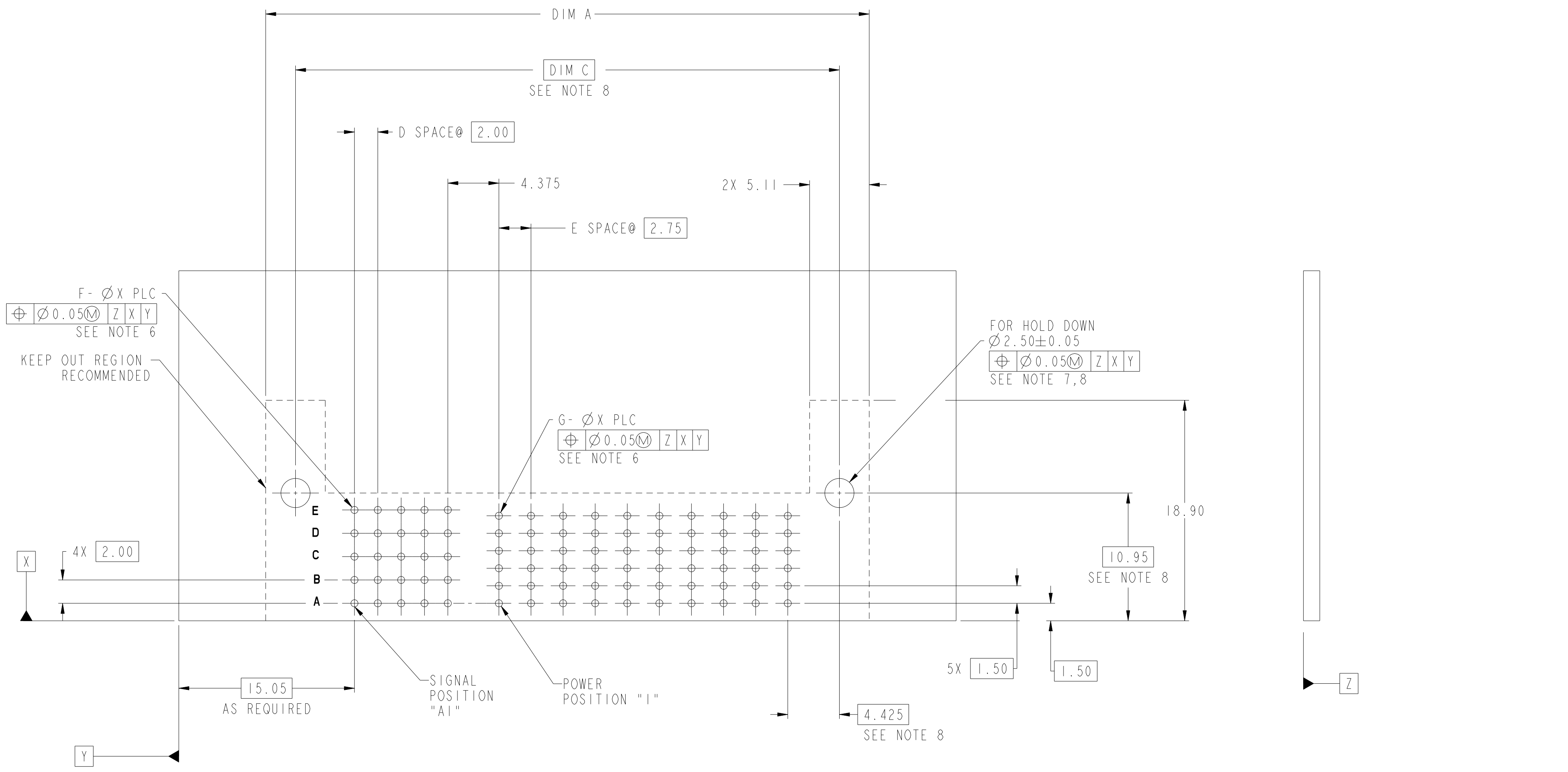
PDS: Rev :B

STATUS:Released

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Amphenol FCI

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25S + 10P AS SHOWN
 RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
 FOR 10133129-XXXLF HOLD DOWN TYPE
 (AS VIEWED FROM COMPONENT SIDE)

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spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	4:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Walker Wei	2019/05/07			ecn no	ELX-DG-33445-1		
ASME Y14.5		chr	-	rel level			Released			
		appr	Zheng, Pei-Min	2019/05/08						
surface	linear	Amphenol FCI			PWR LoPro HEADER ASSEMBLY			dwg no	10133129	
ASME Y14.5	angular				RA, PASSIVE GUIDE, S+P			rev	B	
					cat. no.	Product - Customer Drw			sheet 5 of 7	

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STATUS:Released

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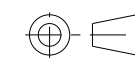
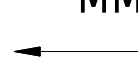

PART NUMBER	CONFIGURATION	DIM "A"	DIM "B" FOR SCREW MOUNT	DIM "C" FOR HOLD DOWN	"D" SPACES	"E" SPACES	"F" QTY.	"G" QTY.	MOUNTING FEATURE
10133129-001LF	35S+20P	83.21	-	78.1	6	19	35	120	HOLD DOWN
10133129-002LF	25S+10P	51.71	47.31	-	4	9	25	60	SCREW MOUNT
10133129-005LF	25S+10P	51.71	47.31	-	4	9	25	60	SCREW MOUNT

PART NUMBER	ROWS	SIGNALS	POWERS																											
			1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
10133129-001LF 35S + 20P	E	H																												
	D																													
	C		3	3	3	3	3	3	3	2	2	2	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	
	B																													
	A																													

PART NUMBER	ROWS	SIGNALS	POWERS																			
			1	2	3	4	5	1	2	3	4	5	6	7	8	9	10					
10133129-002LF 25S + 10P	E	S																				
	D																					
	C		2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2				
	B																					
	A																					

PART NUMBER	ROWS	SIGNALS	POWERS																			
			1	2	3	4	5	1	2	3	4	5	6	7	8	9	10					
10133129-005LF 25S + 10P	E	S																				
	D																					
	C		3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2				
	B																					
	A																					

VIEWED FROM MATING FACE:

spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	3:1
tolerance std	ASME Y14.5	eng	Walker Wei	2019/05/07			ecn no	ELX-DG-33445-1		
		chr					rel level	Released		
		appr	Zheng, Pei-Min	2019/05/08			Product - Customer Drw			
surface	linear	0.X	±0.30		PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE,S+P	dwg no 10133129	rev B			
		0.XX	±0.20							
		0.XXX	±0.10							
ASME Y14.5	angular	0°	±2°	cat. no.	Product - Customer Drw					

PDS: Rev :B

STATUS:Released

Printed: May 10, 2019

Amphenol FCI

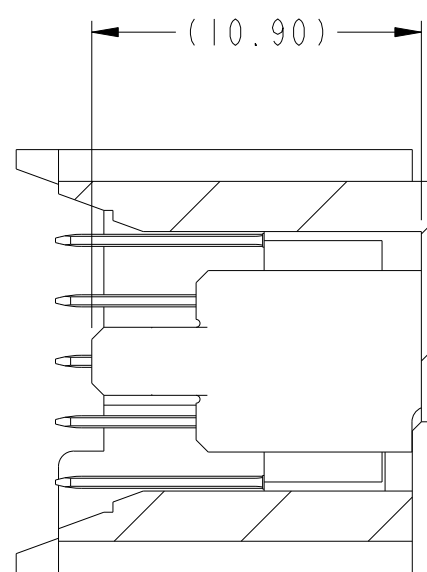
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CUSTOMER LOADING WORKSHEET FOR SIGNAL & POWER SEQUENCING LEVELS

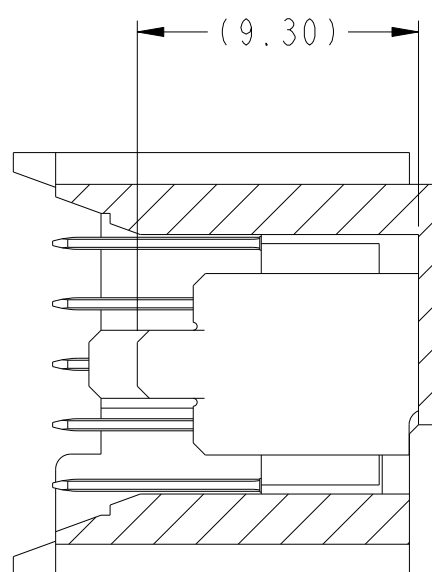
PWR LO PRO - MATING FACE OF HEADER CONNECTOR(4)

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

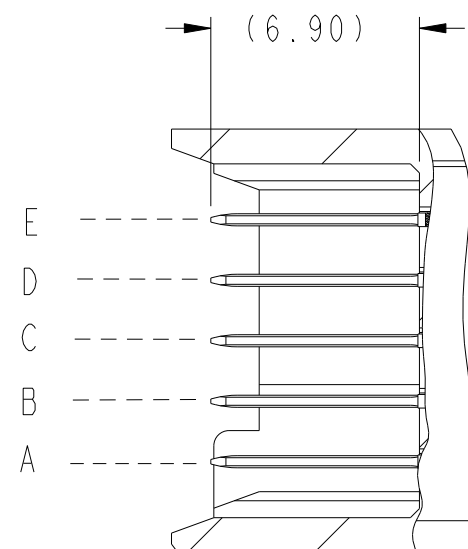
- LOAD WITH CHOICE OF 2 POWER CONTACT MATING LEVELS, SEE SECTIONS KM & KR FOR AVAILABLE LEVEL OPTIONS.
- LOAD WITH CHOICE OF 3 SIGNAL CONTACT MATING LEVELS, SEE SECTIONS KA,KB,&KC FOR AVAILABLE LEVEL OPTIONS.
- MOUNTING FEATURE OPTION "X"
 - H : HOLD DOWN TYPE
 - S : SCREW MOUNT TYPE
- CUSTOMER LOADING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



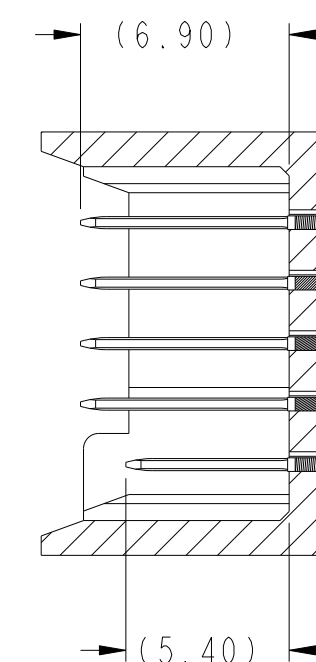
POWER SECTION KM-KM
LEVEL 1:
LONGEST MATING CONTACTS



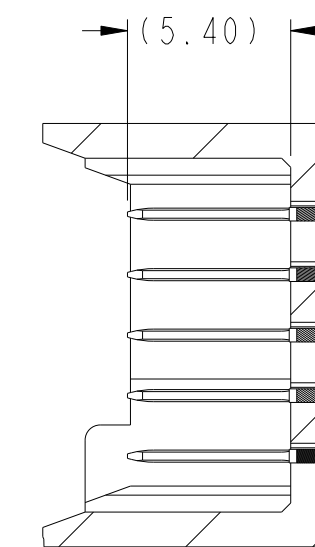
POWER SECTION KR-KR
LEVEL 2:
SHORTEST MATING CONTACTS



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

CODE	DESCRIPTION
1	FOR LEVEL 1
2	FOR LEVEL 2
3222	FOR LEVEL 3222 (MIXED)
3	FOR LEVEL 3

spec ref	SEE NOTE	dr	Eddy Zeng	2015/01/19	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Walker Wei	2019/05/07	chr	-	ecn no	ELX-DG-33445-1	rel level	Released
surface	linear	appr	Zheng, Pei-Min	2019/05/08	product family	PwrLoPro	rel level	Released	cat. no.	-
ASME Y14.5	angular	0°	±2°	Amphenol FCI	title	PWR LoPro HEADER ASSEMBLY	RA, PASSIVE GUIDE,S+P	cat. no.	-	Product - Customer Drw
					dwg no	10133129	rev	B	sheet 7 of 7	STATUS:Released