

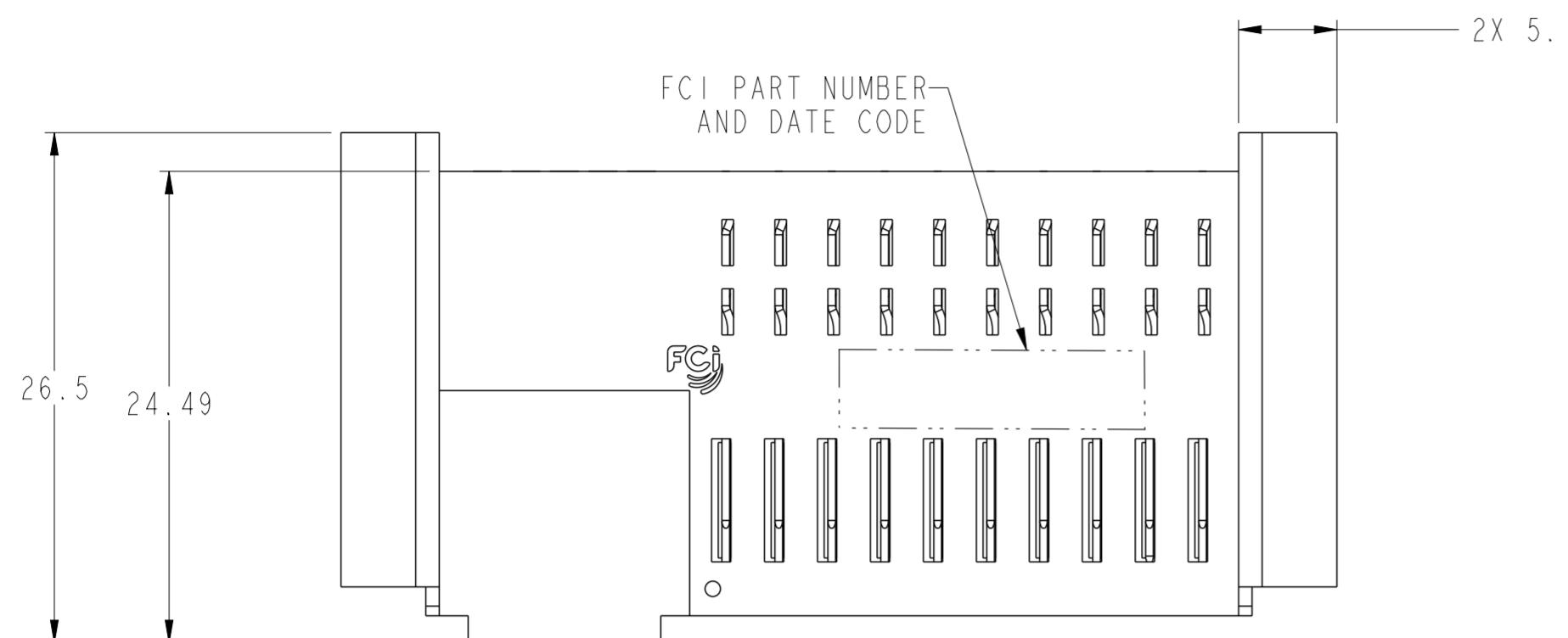
**25Sx10P CONFIGURATION SHOWN  
HOLD DOWN TYPE**

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 Ni UNDERPLATING ALL OVER  
WITH 0.76µm GXT IN CONTACT MATING AREA, AND  
2.54µm MATTE TIN ON TAIL AREA.  
PLATING ON POWER CONTACTS: 1.27µm Ni UNDERPLATING ALL OVER  
WITH 0.76µm GXT IN CONTACT MATING AREA, AND  
2.54µm MATTE TIN ON TAIL AREA.  
PLATING ON HOLD DOWN IF APPLICABLE: 1.27µm Ni, UNDERPLATING ALL  
OVER WITH 0.76µm MATTE TIN OVER.
3. LUBRICATION: LUBRICATE ON CONTACT AREA.
4. RECOMMENDED PCB THICKNESS IS:  
FOR SOLDER APPLICATION: 1.60mm
5. FOR SOLDER  $\varnothing 0.90 \pm 0.05$ mm.
6. UNPLATED HOLES.
7. HOLD DOWN APPLICATION NEEDED.
8. PRODUCT SPECIFICATION: GS-12-1064  
APPLICATION SPECIFICATION: GS-20-0362
9. A  $\triangle$ -SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE,  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	SEE NOTE			dr	Fancy Zhang	2015/09/28	projection	MM	size	A2	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Fancy Zhang	2015/12/16	product family	PwrLoPro	rel level	Released	rev
ASME Y14.5	-	linear	angular	chr	He Max	2015/12/16					
				oppr	Pei-Ming Zheng	2015/12/16	FCI	PWR LoPro HEADER ASSEMBLY	cat. no.	10137130-001	dag no.
								RA, PASSIVE GUIDE, S+P	-	Product - Customer Drw	sheet 1 of 5

A



A

B

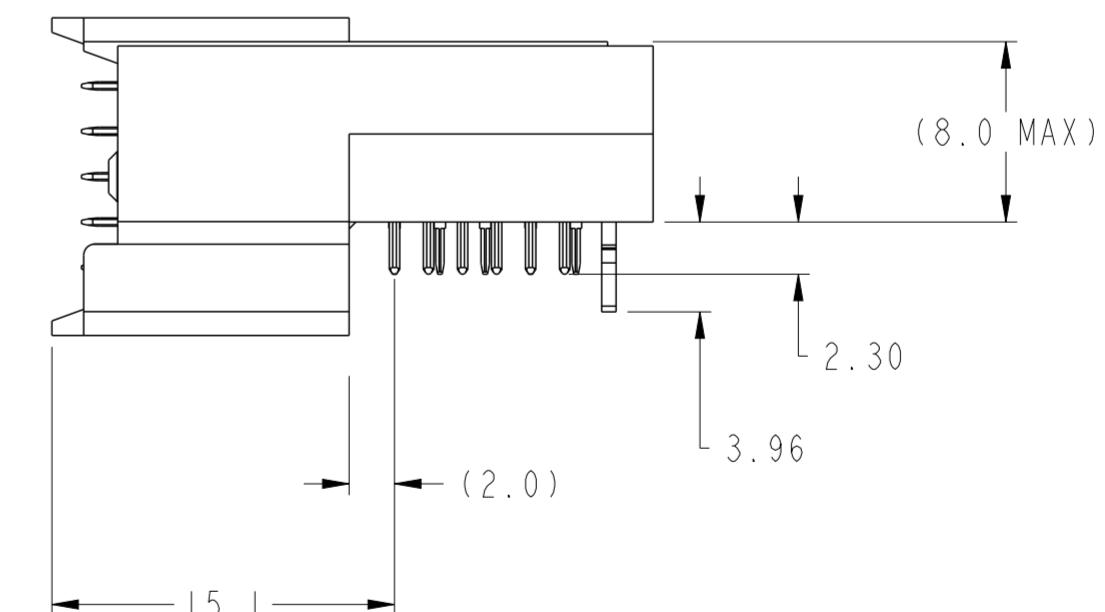
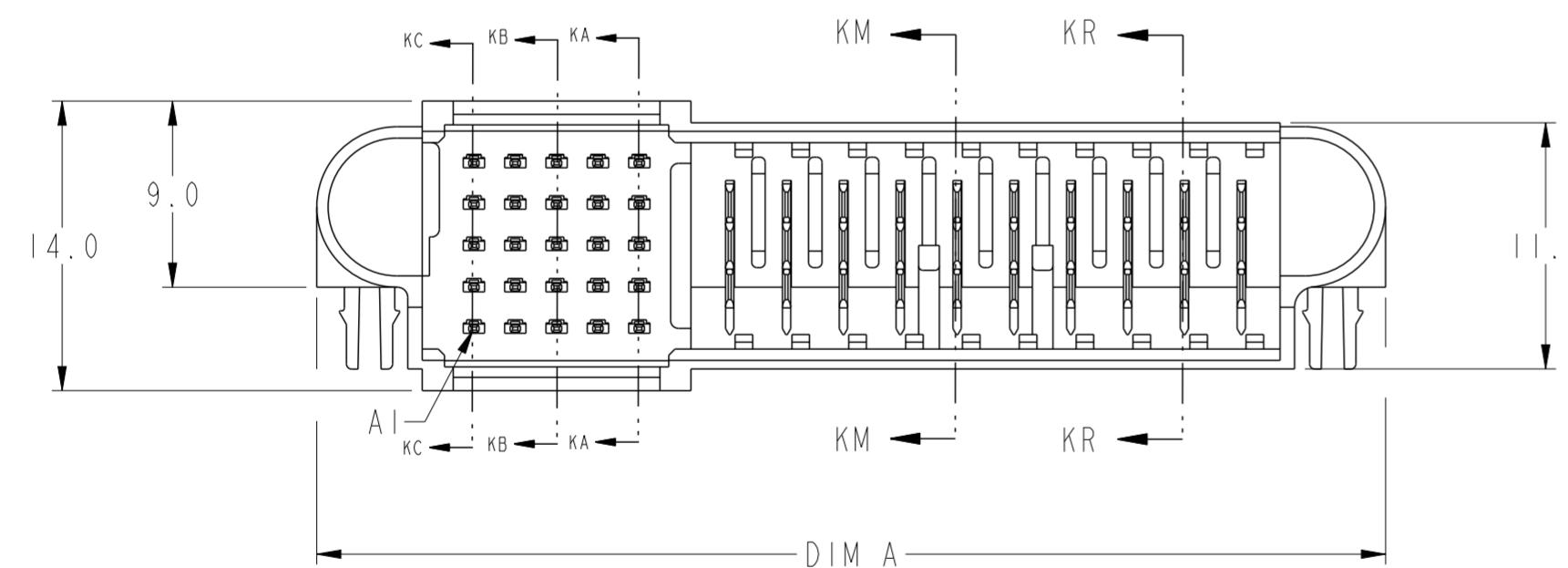
B

C

C

D

D



FCI

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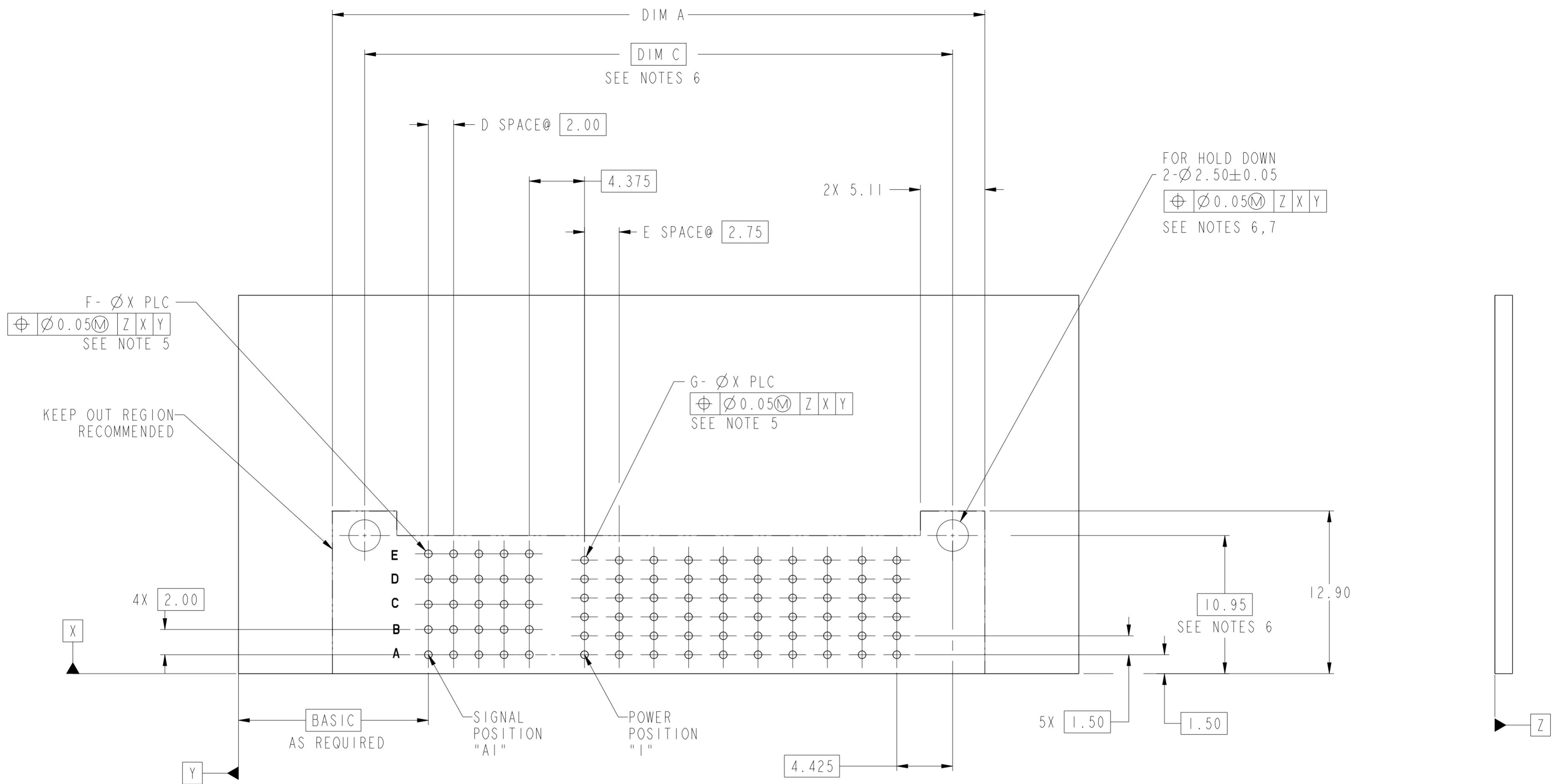
F

F

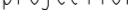
spec ref	SEE NOTE			dr	Fancy Zhang	2015/09/28	projection	MM	size	A2	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Fancy Zhang	2015/12/16	product family	PwrLoPro	rel level	Released	
ASME Y14.5				chr	He Max	2015/12/16					
surface	✓	linear	0.X	±0.30							
			0.XX	±0.20							
			0.XXX	±0.10							
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	Product	Customer Drw	sheet	2 of 5	

**FCI** PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, S+P

10137130-001 rev A



25S+10P AS SHOWN  
RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4  
FOR 10137130-XXXLF HOLD DOWN TYPE  
(AS VIEWED FROM COMPONENT SIDE)

spec ref	SEE NOTE	dr	Fancy Zhang	2015/09/28			size	A2	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5	eng	Fancy Zhang	2015/12/16			ecn no	-	5:1
		chr	He Max	2015/12/16					
		appr	Pei-Ming Zheng	2015/12/16			product family	PwrLoPro	rel level
surface		linear	0.X	±0.30			Released		
			0.XX	±0.20		PWR LoPro HEADER ASSEMBLY RA, PASSIVE GUIDE, S+P	dwg no 10137130-001		rev A
			0.XXX	±0.10					
ASME Y14.5	angular		0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 5

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
10137130-001LF	35S+20P	83.21	-	78.1	6	19	35	120	HOLD DOWN

A

A

B

B

C

C

D

D

E

E

F

F

G

G

H

H

I

I

J

J

K

K

L

L

M

M

N

N

O

O

P

P

Q

Q

R

R

S

S

T

T

U

U

V

V

W

W

X

X

Y

Y

Z

Z

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AA

BB

BB

CC

CC

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DD

EE

EE

FF

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GG

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II

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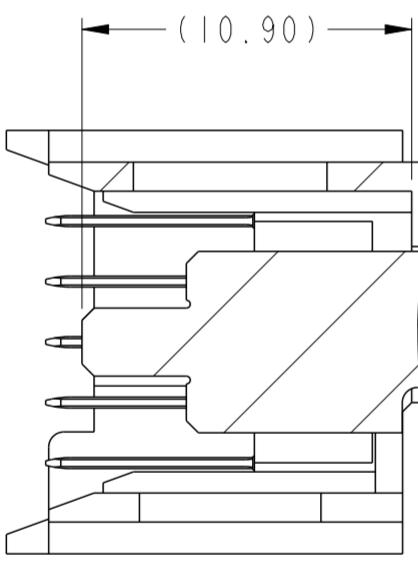
LL

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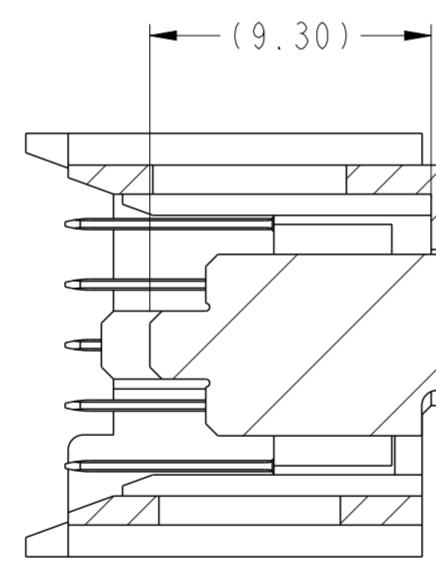
## CUSTOMER LOADING WORKSHEET FOR SIGNAL & POWER SEQUENCING LEVELS

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

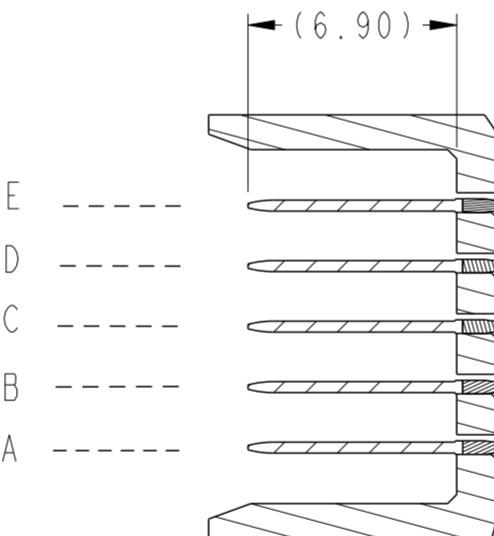
- 1). LOAD WITH CHOICE OF 2 POWER CONTACT MATING LEVELS, SEE SECTIONS KM & KR FOR AVAILABLE LEVEL OPTIONS.
- 2). LOAD WITH CHOICE OF 3 SIGNAL CONTACT MATING LEVELS, SEE SECTIONS KA,KB,&KC FOR AVAILABLE LEVEL OPTIONS.
- 3). MOUNTING FEATURE OPTION "X"
  - H : HOLD DOWN TYPE
  - S : SCREW MOUNT TYPE
-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



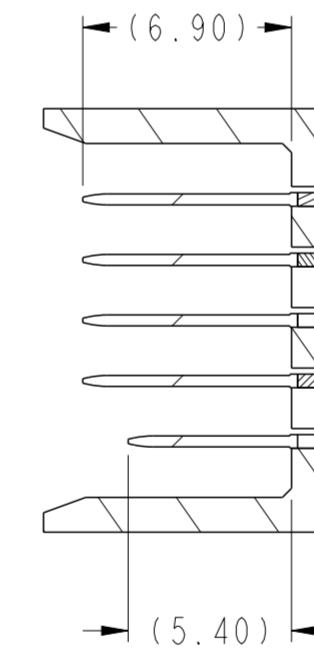
POWER  
SECTION KM-KM  
LEVEL I:  
LONGEST MATING  
CONTACTS



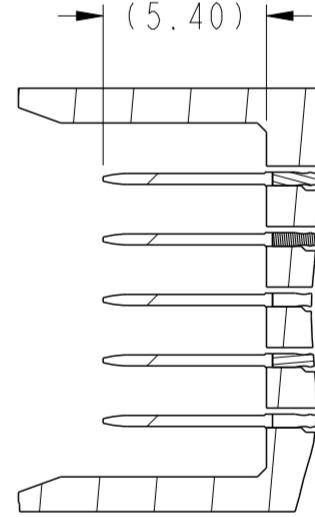
POWER  
SECTION KR-KR  
LEVEL 2:  
SHORTEST MATING  
CONTACTS



SIGNAL  
SECTION KA-KA  
LEVEL 2:  
ALL LONGEST  
CONTACTS

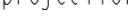


SIGNAL  
SECTION KB-KB  
LEVEL 32222 (MIXED):  
ROW "A", SHORTEST CONTACT  
ROW "B" THRU "E", LONGEST (



SIGNAL  
SECTION KC-KC  
LEVEL 3:  
ALL SHORTEST  
CONTACTS

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

spec ref	SEE NOTE		dr	Fancy Zhang	2015/09/28			size	A2	scale		
tolerance std			eng	Fancy Zhang	2015/12/16							
ASME Y14.5			chr	He Max	2015/12/16							
-			appr	Pei-Ming Zheng	2015/12/16			product family	PwrLoPro	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED												
surface	linear	0.X	±0.30		 PWR LoPro HEADER ASSEMBLY			10137130-001		rev		
		0.XX	±0.20		 RA, PASSIVE GUIDE, S+P					A		
		0.XXX	±0.10									
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 5 of 5			