

RIGHT ANGLE RECEPTACLE ASSEMBLY PRODUCT NUMBER
10108888- X PP SS C M LF

MOUNTING FEATURES
H = HOLD DOWNS
S = SCREW MOUNT (EXCEPT FOR P STYLE)

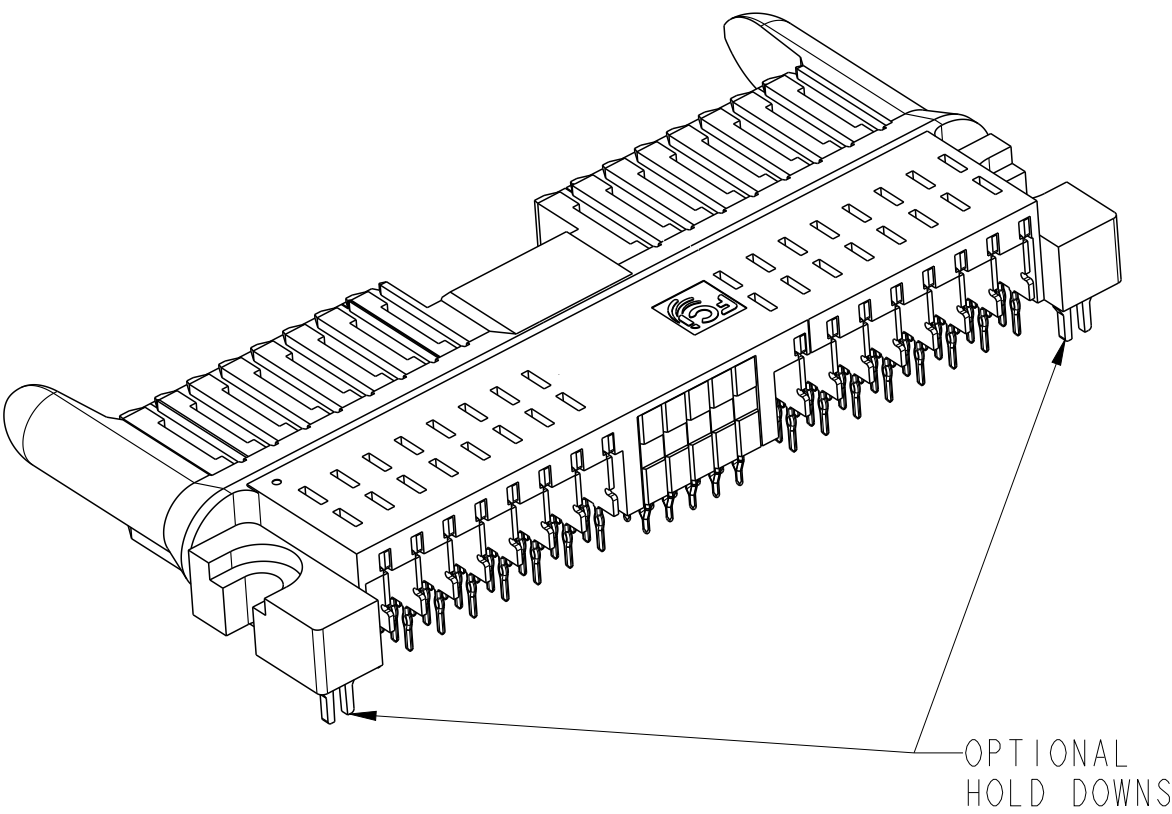
CENTER LINE DISTANCE BETWEEN POWER AND SIGNAL POSITIONS AT MATING SURFACE:
3 = 4.375

NUMBER OF SIGNAL CONTACTS
00 OR 10 TO 40 IN INCREMENTS OF 5

TOTAL NUMBER OF POWER CONTACTS. IF STYLE S, THEY WILL BE DIVIDED EQUALLY WITH HALF ON THE LEFT AND HALF ON THE RIGHT SIDES OF THE SIGNAL GROUP. 02 TO 24 IN EVEN NUMBER INCREMENTS. IF STYLE P, THE RANGE IS 06 TO 30.

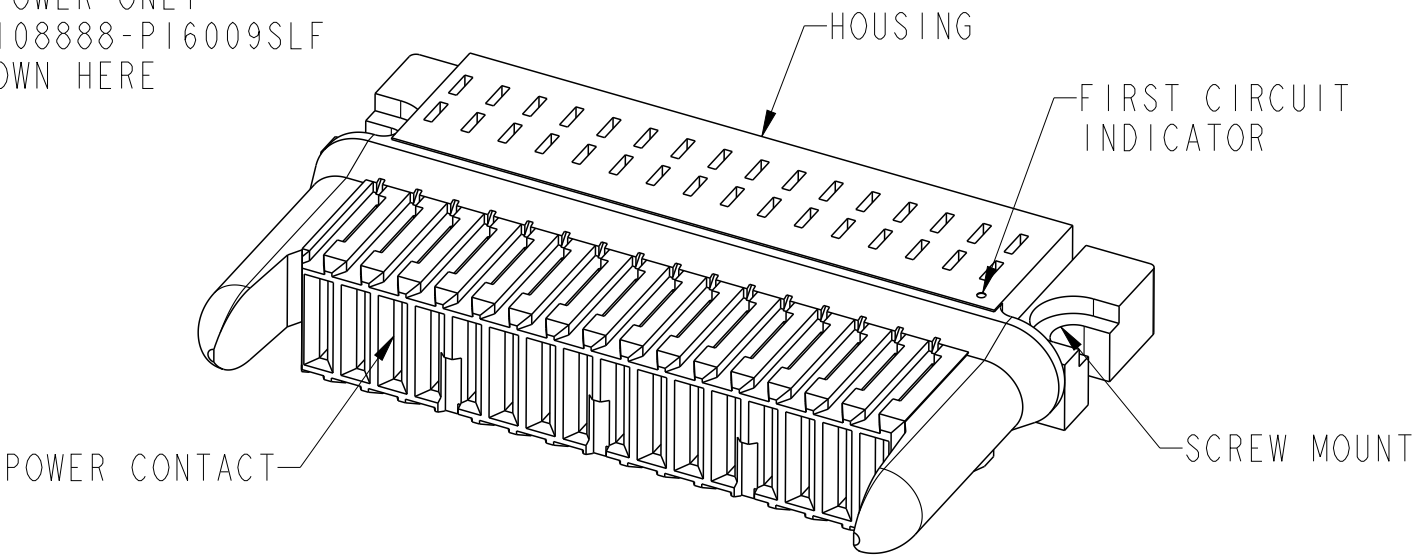
STYLE
P = POWER ONLY-NO SIGNAL
L = SIGNAL ON THE LEFT, POWER ON THE RIGHT
R = POWER ON THE LEFT, SIGNAL ON THE RIGHT
S = POWER ON THE LEFT, SIGNAL IN THE CENTER, POWER ON THE RIGHT

EXAMPLE:
10108888-R10253SLF IS A RIGHT ANGLE RECEPTACLE ASSEMBLY WITH 5 COLUMNS (25 TOTAL) OF SIGNAL PINS ON THE LEFT SIDE AND 10 POWER CONTACTS ON THE RIGHT SIDE, WITH A 4.375 DISTANCE BETWEEN THE SIGNAL AND THE POWER CONTACTS AND WITH SCREW MOUNT ENDS.

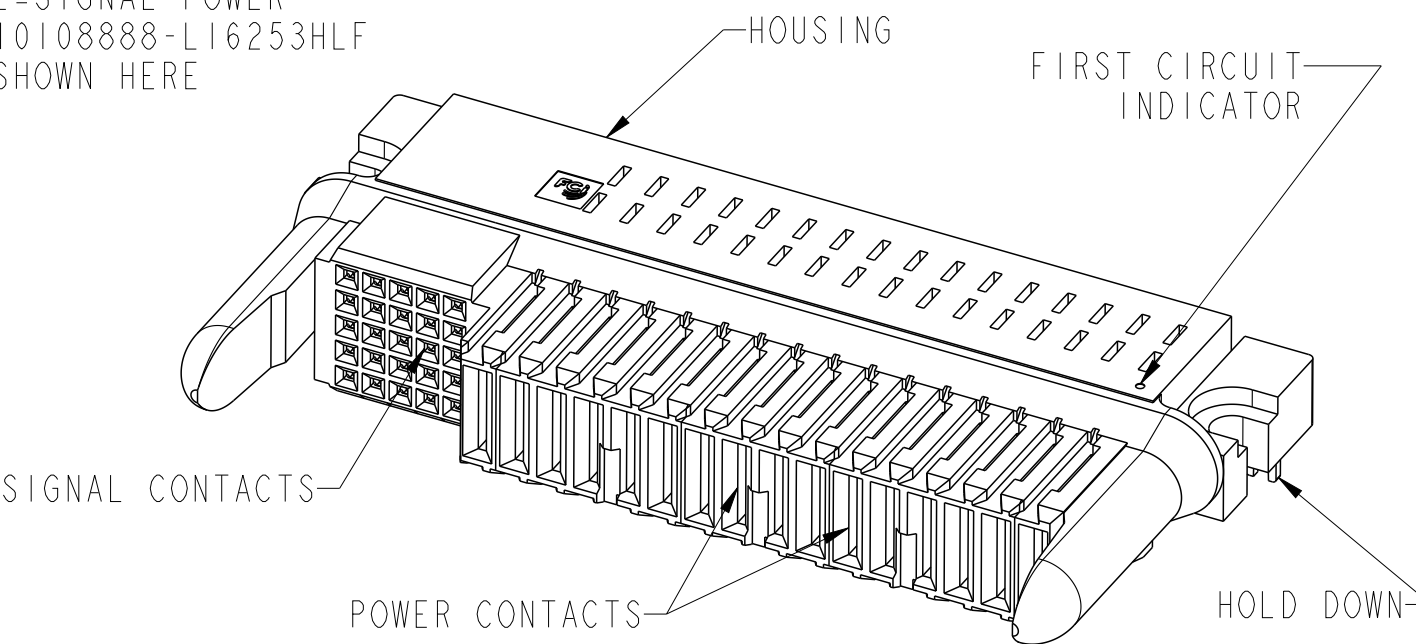


MOUNTING FEATURES

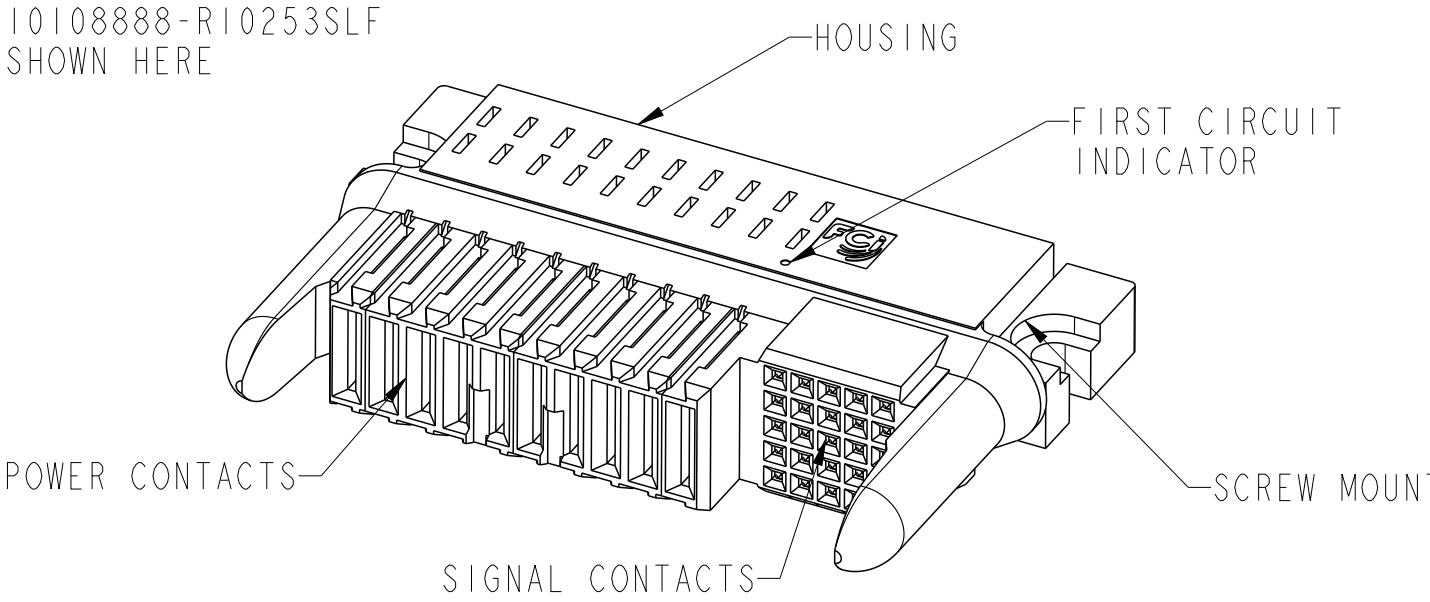
P=POWER ONLY
10108888-PI6009SLF
SHOWN HERE



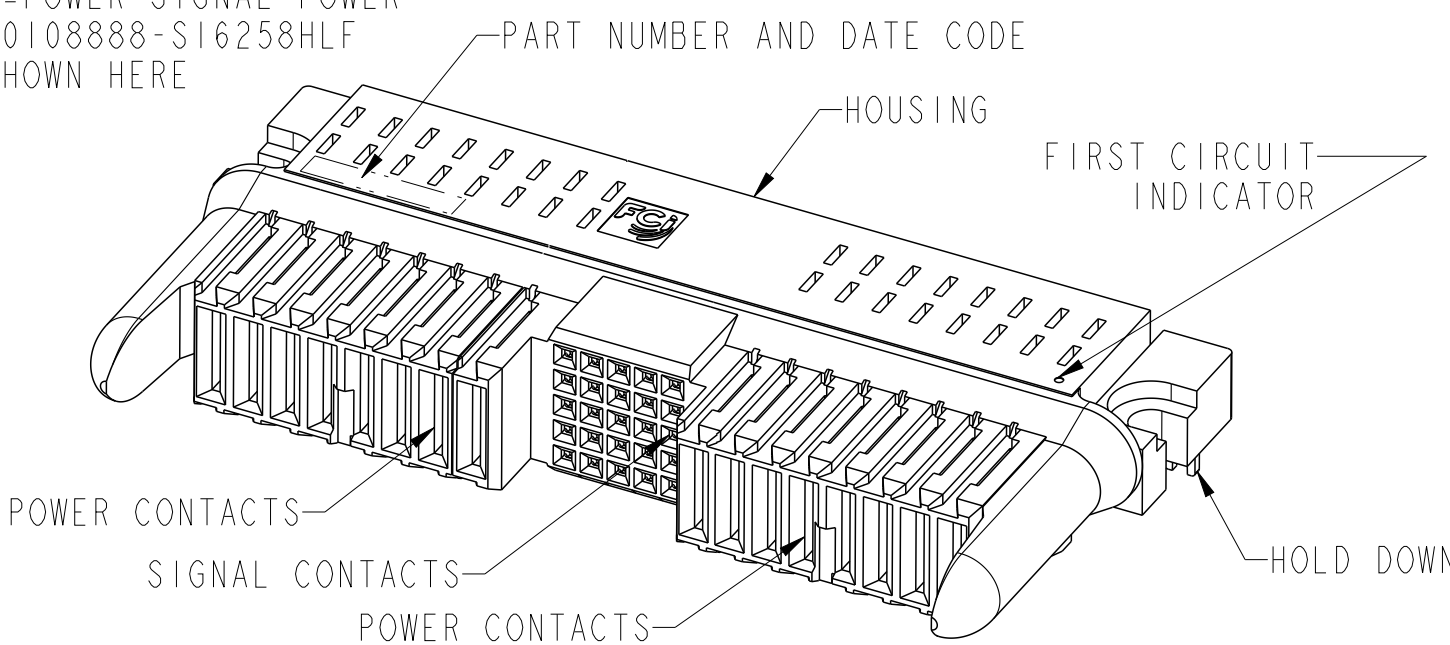
L=SIGNAL-POWER
10108888-LI6253HLF
SHOWN HERE

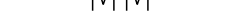


R=POWER-SIGNAL
10108888-R10253SLF
SHOWN HERE



S=POWER-SIGNAL-POWER
10108888-SI6258HLF
SHOWN HERE

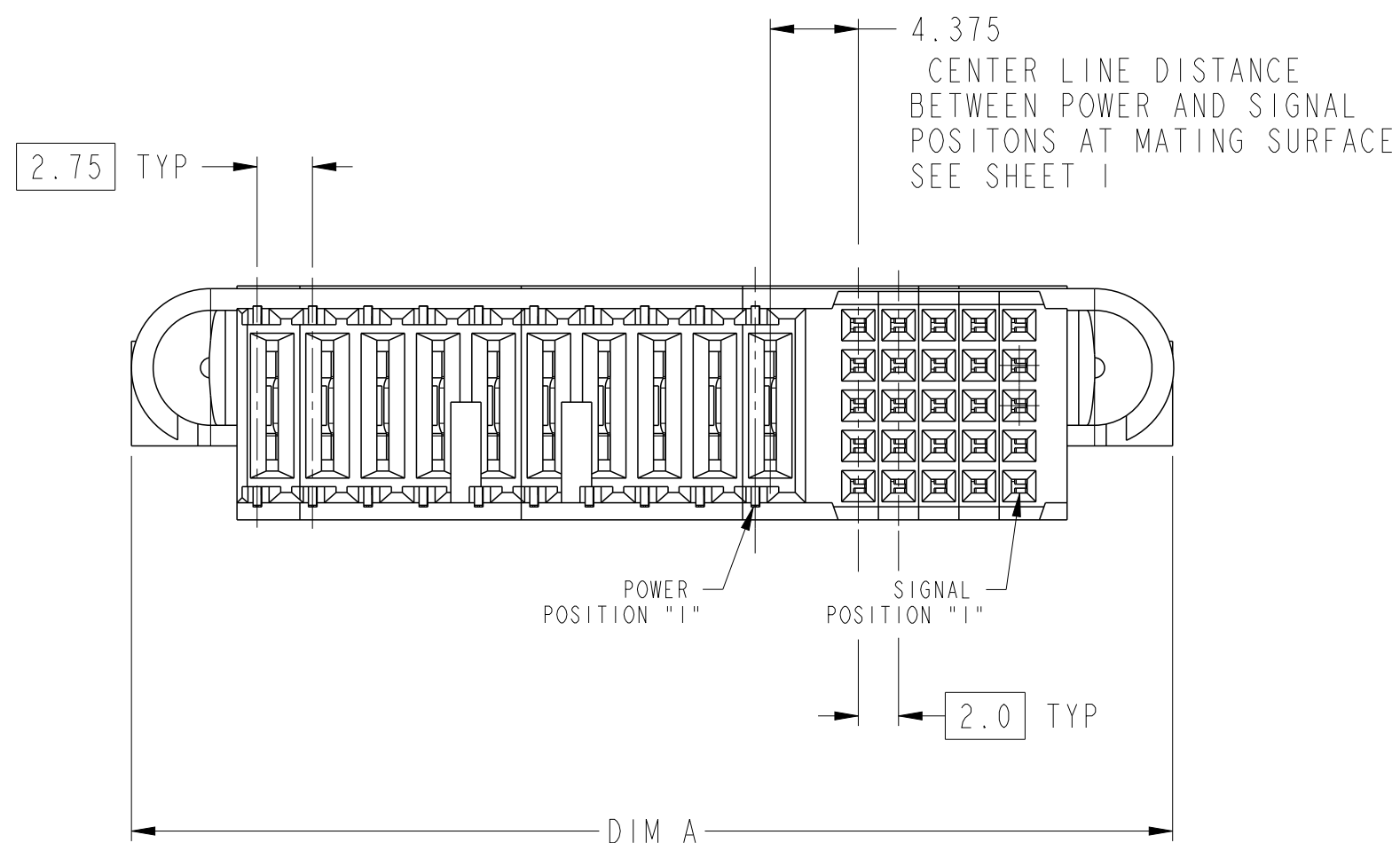
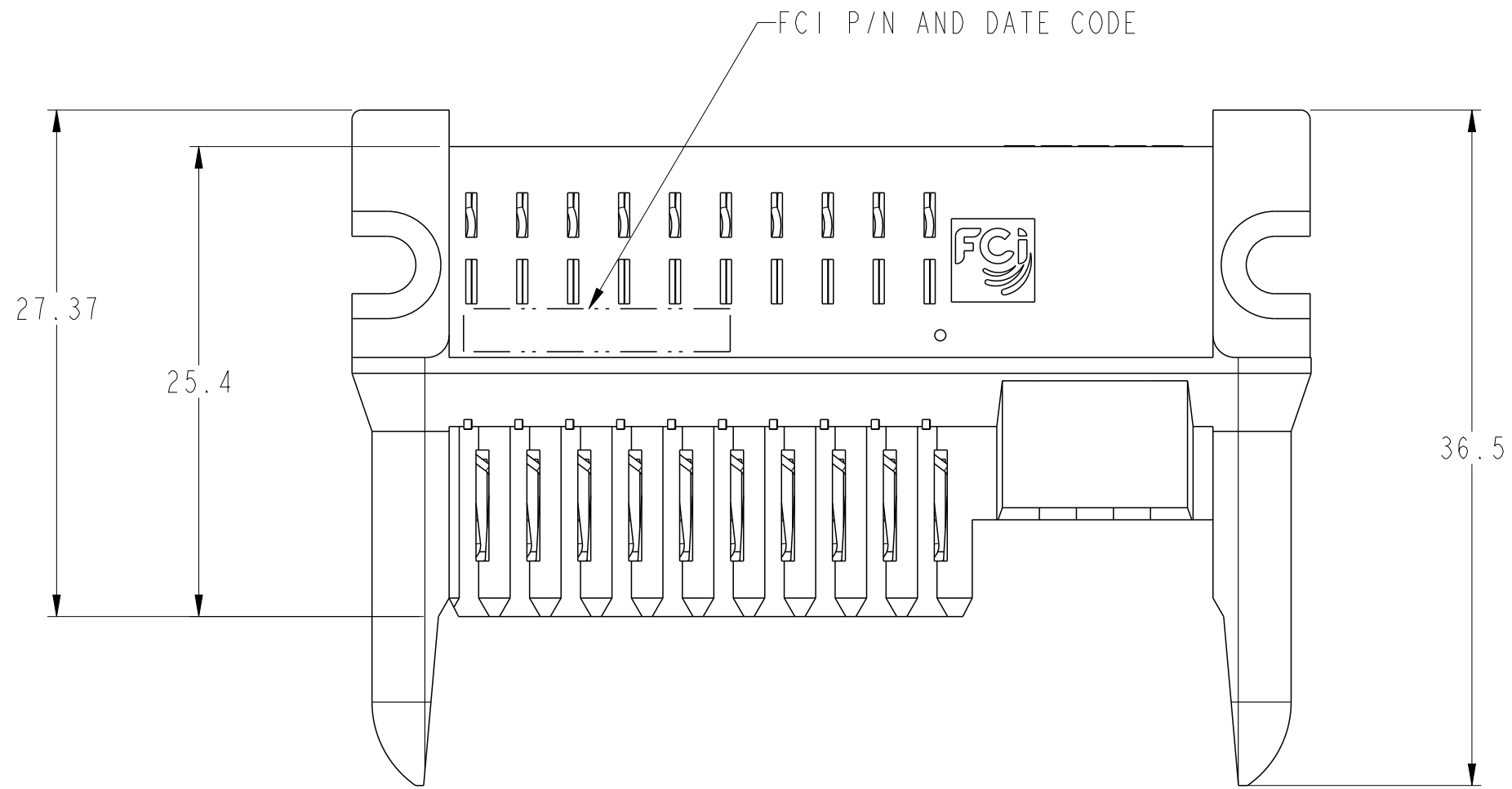


spec ref				-		dr		Zhang Hong-Tu		2012/07/04		projection		MM		size		A2		scale		1:1	
tolerance std				ASME Y14.5		eng		Heaven Cen		2014/03/02						ecn no		ELK-DG-17027-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Jon Qin		2014/03/02		rel level		Released													
		appr		Collins Lu		2014/03/02		product family		PwrLoPro													
surface		✓		linear		0.X		±0.30				title		PWR LP RECEPTACLE ASSEMBLY		dwg no		10108888		rev		H	
				0.XX		±0.20																	
				0.XXX		±0.10																	
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 7							

PDS: Rev :H

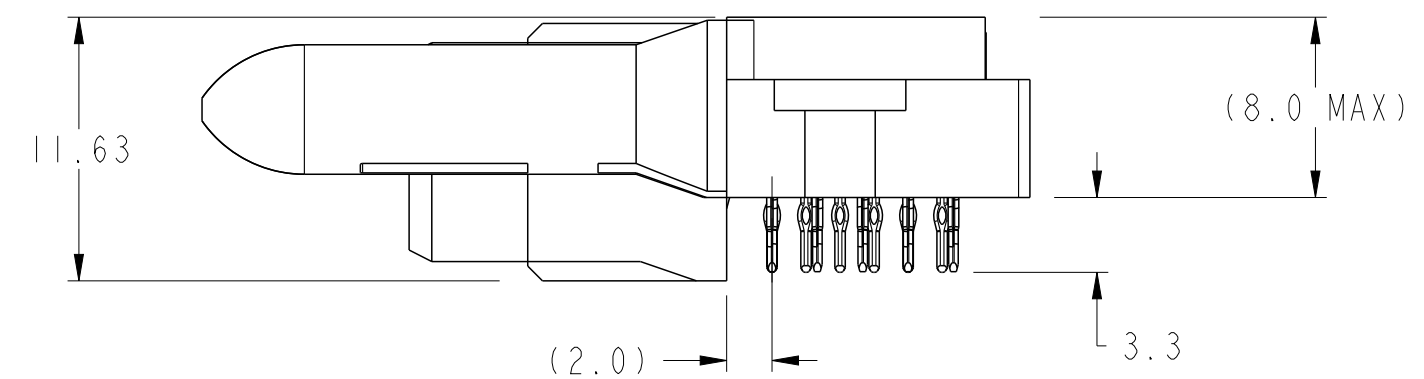
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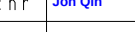
Printed: Mar 03, 2014



10108888-R10253SLF AS SHOWN
SCREW MOUNT TYPE

PART NUMBER	CONFIGURATION	DIM "A"	DIM "B"	"C" SPACES	"D" SPACES	"E" PLACES	"F" PLACES	MOUNTING FEATURE
10108888-R10253SLF	10P + 25S	51.74	47.94	4	9	25	60	SCREW MOUNT
10108888-R08253SLF	08P + 25S	46.24	42.44	4	7	25	48	SCREW MOUNT
10108888-R18353SLF	18P + 35S	77.74	73.94	6	17	35	108	SCREW MOUNT
10108888-R20353SLF	20P + 35S	83.24	79.44	6	19	35	120	SCREW MOUNT
10108888-R24403SLF	24P + 40S	96.24	92.44	7	23	40	144	SCREW MOUNT



spec ref		-		dr		Zhang Hong-Tu		2012/07/04		projection		MM		size		A2		scale		1:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Heaven Cen		2014/03/02						ecn no		ELX-DG-17027-1							
chr				Jon Qin		2014/03/02		rel level						Released									
appr				Collins Lu		2014/03/02		product family						PwrLoPro									
surface				linear		0.X		±0.30				title		PWR LP RECEPTACLE ASSEMBLY		dwg no		10108888		rev		H	
				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 7							



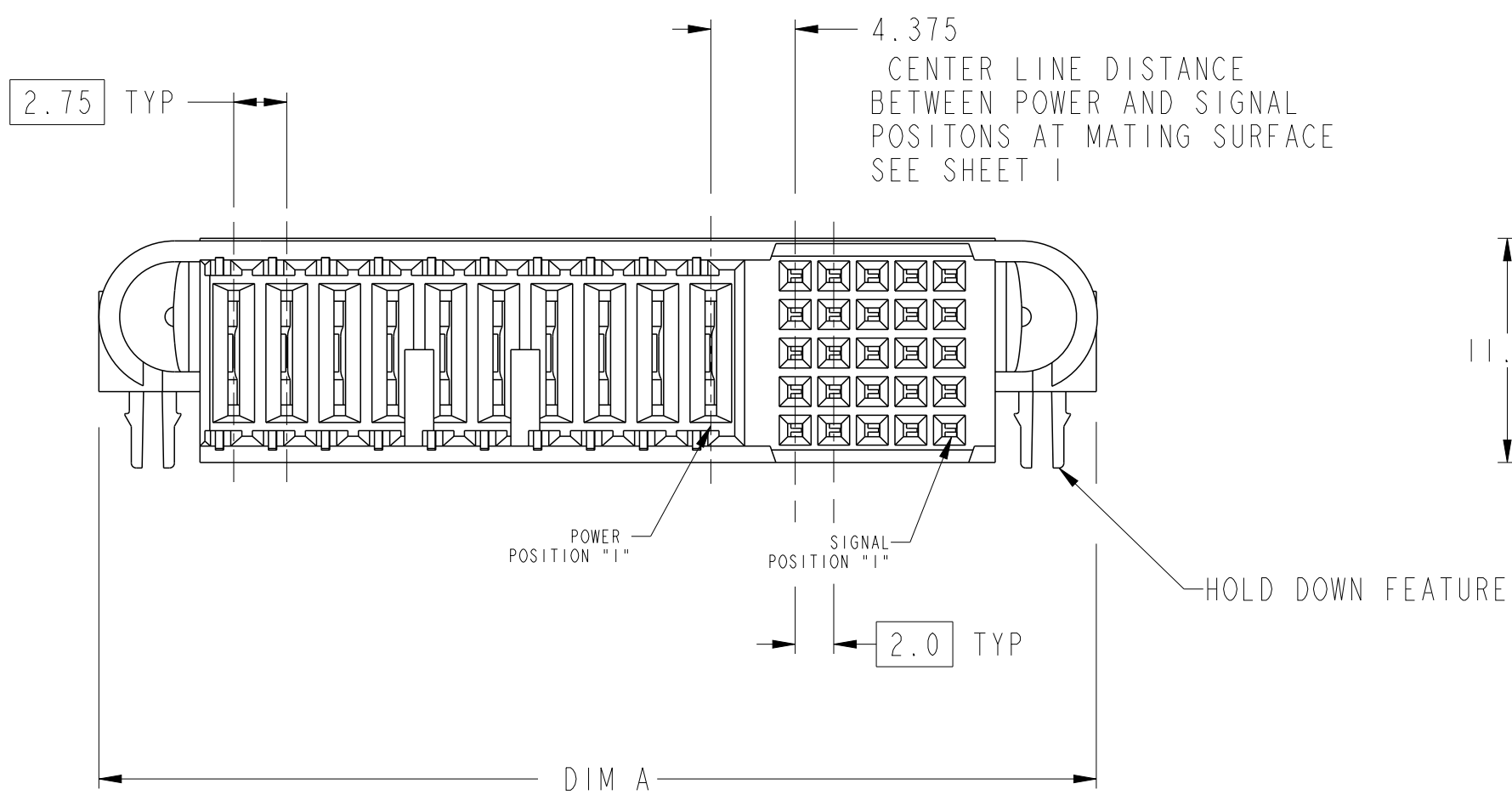
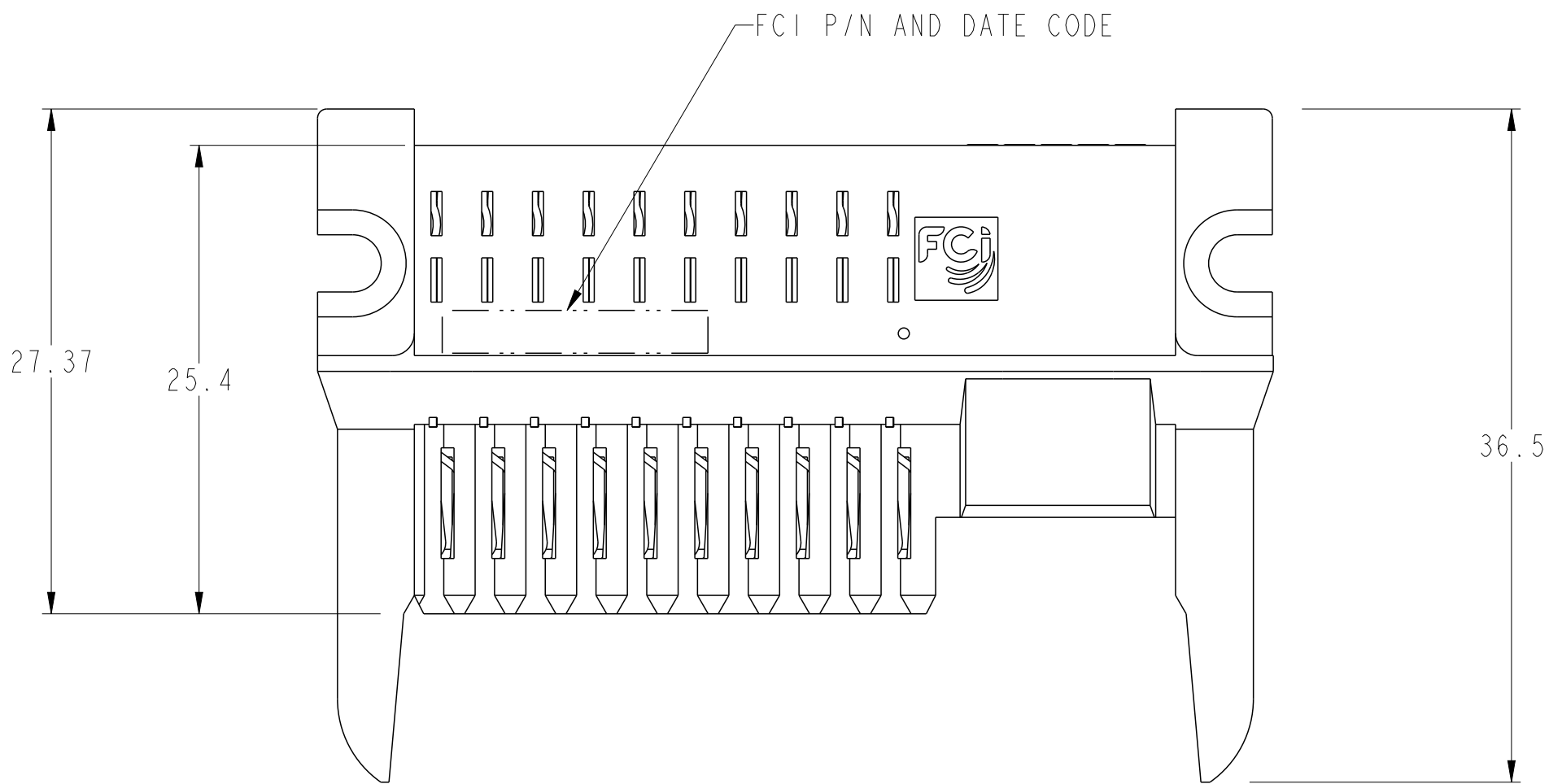
10108888-R10253SLF SHOWN
RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
FOR 10108888-RXXXX3SLF
(AS VIEWED FROM COMPONENT SIDE)

spec ref		-		dr		Zhang Hong-Tu		2012/07/04		projection				MM		size		A2		scale		1:1	
tolerance std		ASME Y14.5		eng		Heaven Cen		2014/03/02		chr		Jon Qin		2014/03/02		ecn no		ELX-DG-17027-1		rel level		Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Collins Lu		2014/03/02		product family		PwrLoPro											
surface				linear		0.X		±0.30		FCI		title		PWR LP RECEPTACLE ASSEMBLY		dwg no		10108888		rev		H	
						0.XX		±0.20						RA, PASSIVE GUIDE									
ASME Y14.5		angular		0°		±2°				www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 7					

PDS: Rev :H

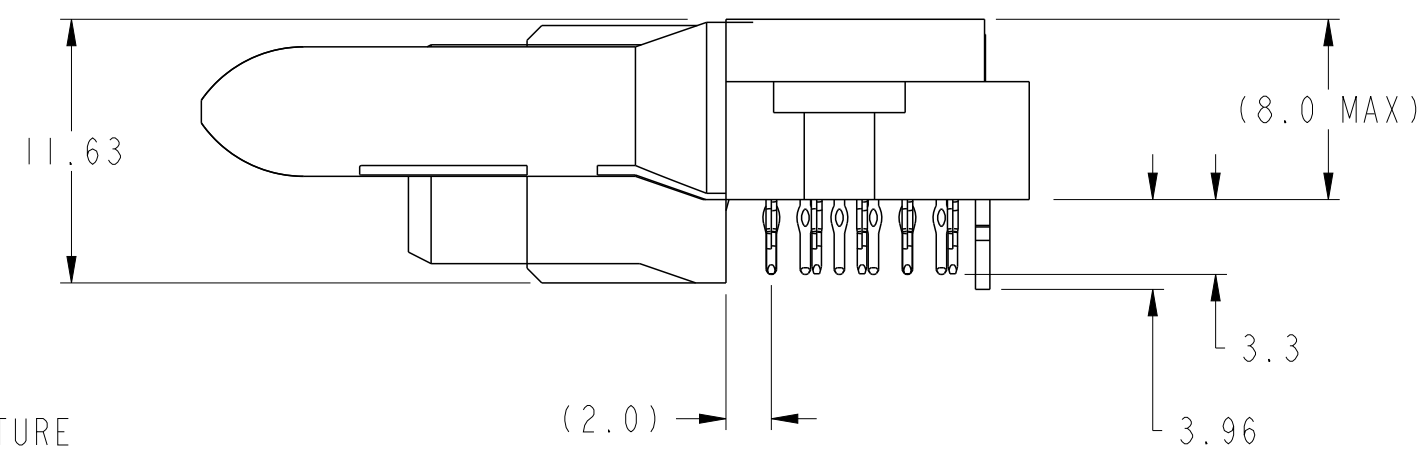
STATUS:Released

Printed: Mar 03, 2014



10108888-R10253HLF AS SHOWN
HOLD DOWN TYPE

PART NUMBER	CONFIGURATION	DIM "A"	DIM "B"	"C" SPACES	"D" SPACES	"E" PLACES	"F" PLACES	MOUNTING FEATURE
10108888-R10253HLF	10P + 25S	51.74	46.14	4	9	25	60	HOLD DOWN
10108888-R08253HLF	08P + 25S	46.24	40.64	4	7	25	48	HOLD DOWN
10108888-R18353HLF	18P + 35S	77.74	72.14	6	17	35	108	HOLD DOWN
10108888-R20353HLF	20P + 35S	83.24	77.64	6	19	35	120	HOLD DOWN
10108888-R24403HLF	24P + 40S	96.24	90.64	7	23	40	144	HOLD DOWN



spec ref	-	dr	Zhang Hong-Tu	2012/07/04	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Heaven Cen	2014/03/02	chr	Jon Qin	ecn no	ELX-DG-17027-1	rel level	Released
surface	✓	appr	Collins Lu	2014/03/02	product family	-	cat. no.	-	Product - Customer Drw	sheet 4 of 7
linear	0.X ±0.30 0.XX ±0.20 0.XXX ±0.10	angular	0° ±2°	www.fci.com	title	PWR LP RECEPTACLE ASSEMBLY RA, PASSIVE GUIDE	dwg no	10108888	rev	H

FOR HOLD DOWN
2X $\varnothing 2.50 \pm 0.05$
SEE NOTE 5

F- $\varnothing$ X PLC
 $\varnothing 0.05$ M Z X Y
SEE NOTE 6

KEEP OUT AREA

5X 1.50

12.87

3.45

D SPACE @ 2.75

5.13

D SPACE @ 2.00

1.97

2X 5.25

4X 2.00

2X 10.82

1.50

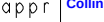
POWER
POSITION
"I"

SIGNAL
POSITION
"AI"

BASIC
AS REQUIRED

E- $\varnothing$ X PLC
 $\varnothing 0.05$ M Z X Y
SEE NOTE 6

10108888-R10253HLF SHOWN
RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
FOR 10108888-RXXXX3HLF
(AS VIEWED FROM COMPONENT SIDE)

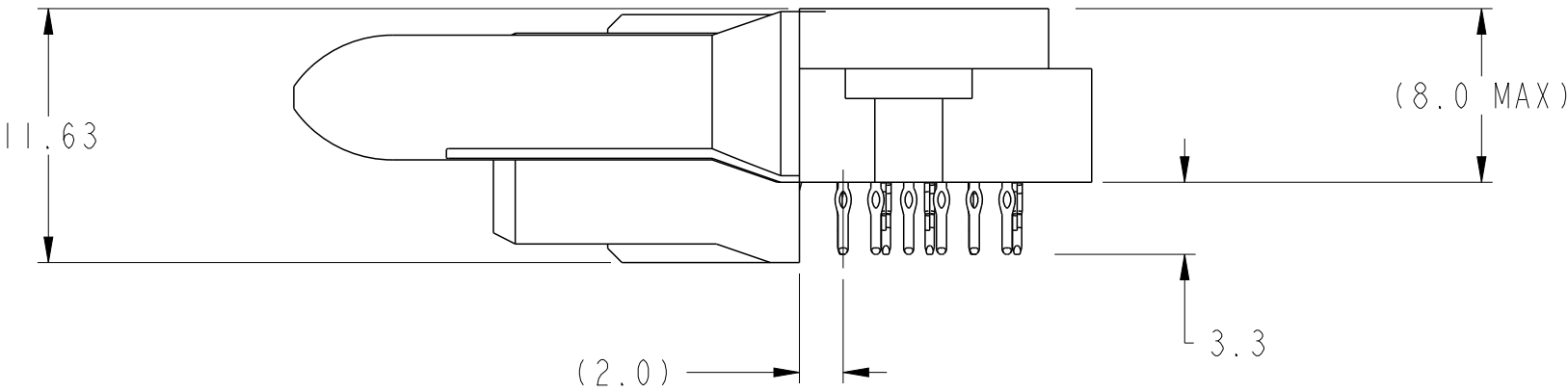
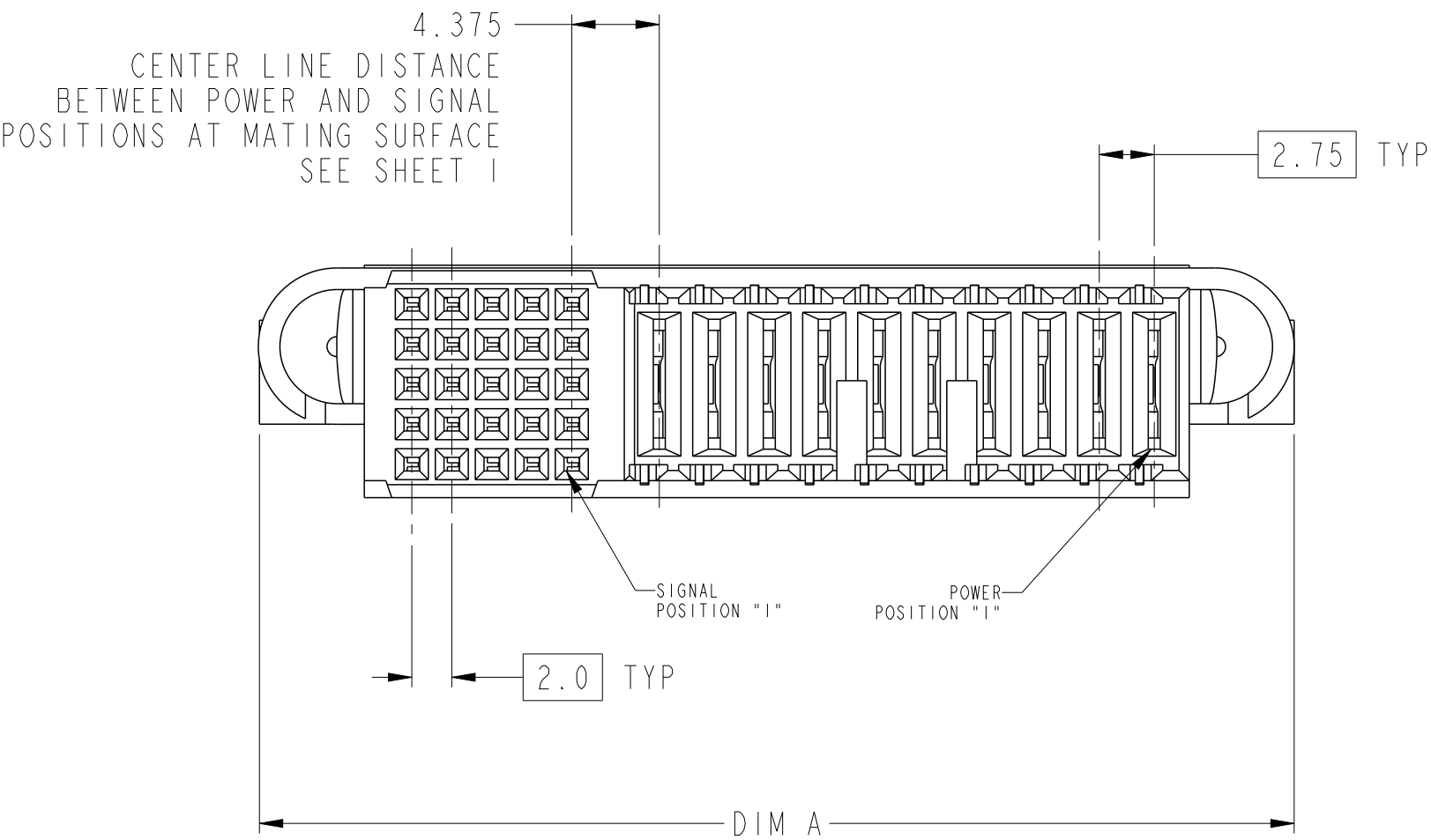
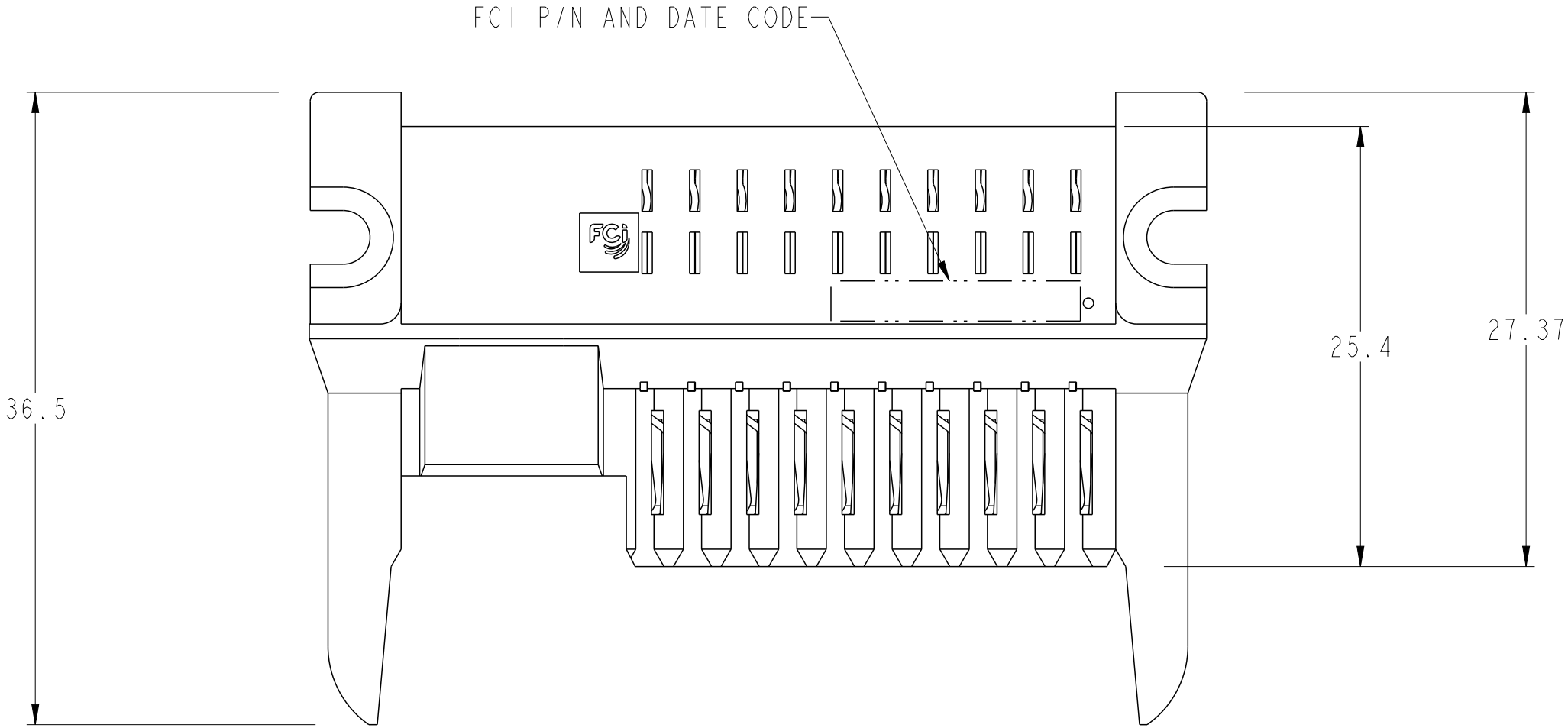
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Heaven Cen		2014/03/02						ecn no		ELX-DG-17027-1		Released			
ASME Y14.5				chr		Jon Qin		2014/03/02													
-				appr		Collins Lu		2014/03/02													
										product family		PwrLoPro		rel level							
surface		✓		linear		0.X		±0.30				PWR LP RECEPTACLE ASSEMBLY		dwg no		10108888		rev			
				0.XX		±0.20															
				0.XXX		±0.10															
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 7					

PDS: Rev :H

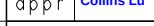
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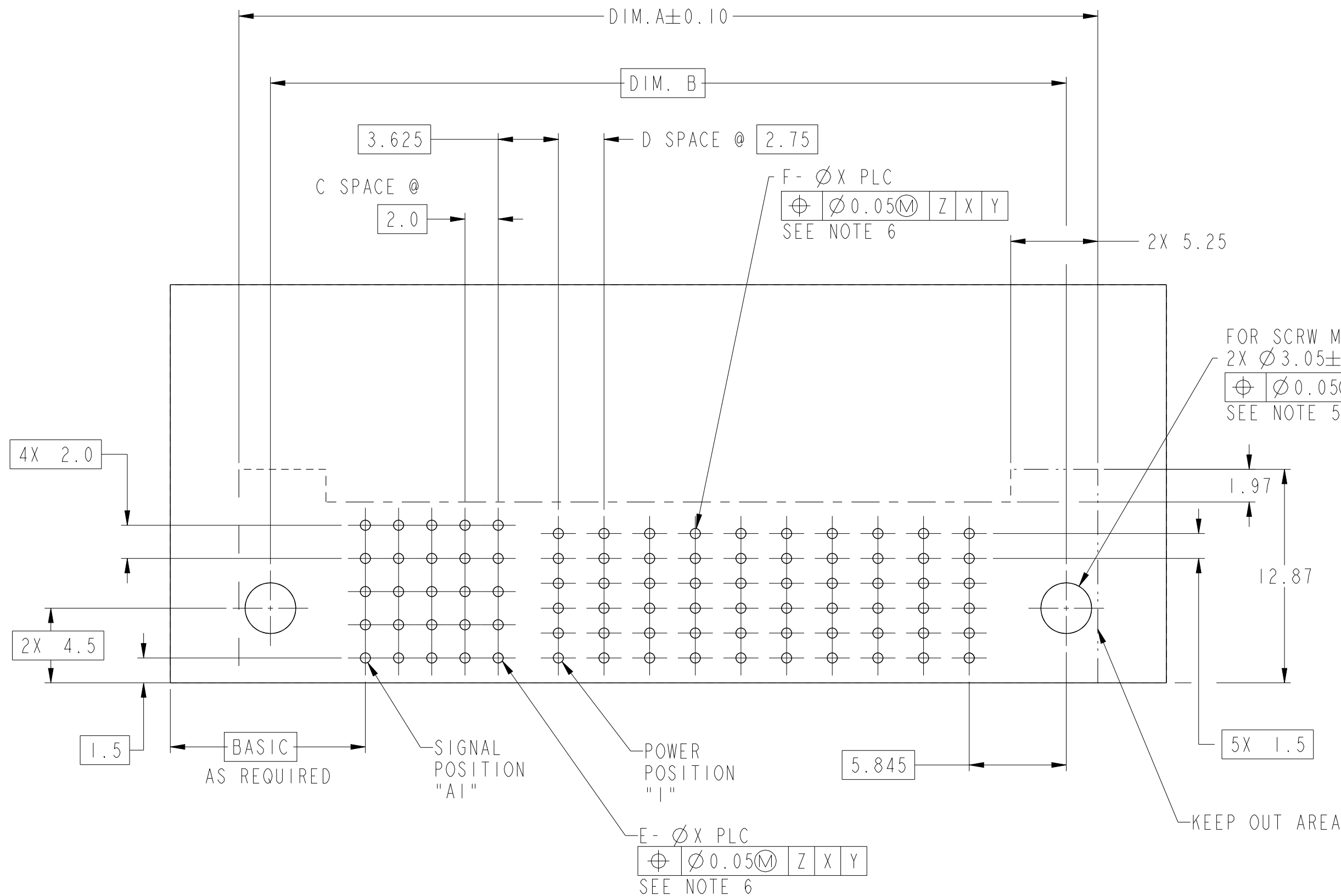
Printed: Mar 03, 2014

PART NUMBER	CONFIGURATION	DIM "A"	DIM "B"	"C" SPACES	"D" SPACES	"E" PLACES	"F" PLACES	MOUNTING FEATURE
10108888-L10253SLF	25S + 10P	51.74	47.94	4	9	25	60	SCREW MOUNT



10108888-L10253SLF AS SHOWN
SCREW MOUNT TYPE

spec ref -				dr Zhang Hong-Tu		2012/07/04		projection		MM		size A2		scale 1:1							
tolerance std				eng Heaven Cen		2014/03/02						ecn no		ELX-DG-17027-1							
ASME Y14.5				chr Jon Qin		2014/03/02															
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Collins Lu		2014/03/02		product family				PwrLoPro									
								rel level				Released									
surface 		linear		0.X		±0.30				title		PWR LP RECEPTACLE ASSEMBLY		dwg no		10108888		rev		H	
		0.XX		±0.20																	
		0.XXX		±0.10																	
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw				sheet 6 of 7			



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
HOLD DOWN MATERIAL: PHOSPHOR BRONZE
- 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.
- 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 Ø0.61mm, FOR SOLDER Ø0.90mm.
- PRODUCT SPECIFICATION: GS-12-1064
APPLICATION SPECIFICATION: GS-20-0362

spec ref		-		dr		Zhang Hong-Tu		2012/07/04		projection				MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Heaven Cen		2014/03/02						ecn no		ELX-DG-17027-1							
ASME Y14.5				chr		Jon Qin		2014/03/02															
-		appr		Collins Lu		2014/03/02		product family								-		rel level		Released			
surface				linear				title		PWR LP RECEPTACLE ASSEMBLY		dwg no		10108888		rev		H					
ASME Y14.5				angular																0°			