

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10121382-R10253SLF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

VERTICAL HOUSING ASSEMBLY PRODUCT NUMBER
10121382 - X PP SS C M LF

MOUNTING FEATURES
S = SCREW MOUNT

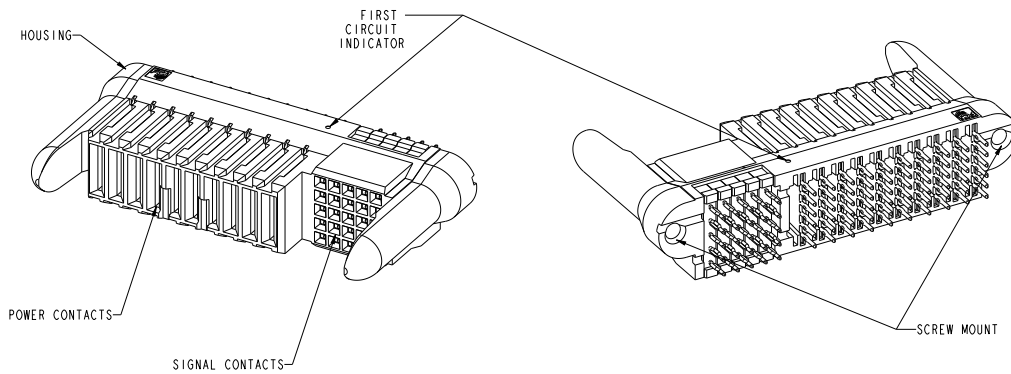
CENTER LINE DISTANCE BETWEEN POWER AND SIGNAL POSITIONS AT MATING INTERFACE:
3 = 4.375

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. 04 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 - SEE SHEET 2
S = POWER ON THE LEFT, SIGNAL IN THE CENTER, POWER ON THE RIGHT

EXAMPLE:
10121382-R10253SLF IS A VERTICAL HOUSING ASSEMBLY WITH 5 COLUMNS (25 TOTAL) OF SIGNAL PINS ON THE RIGHT SIDE AND 10 POWER CONTACTS ON THE LEFT SIDE, WITH A 4.375 DISTANCE BETWEEN THE SIGNAL AND THE POWER CONTACTS AND WITH SCREW MOUNT ENDS.



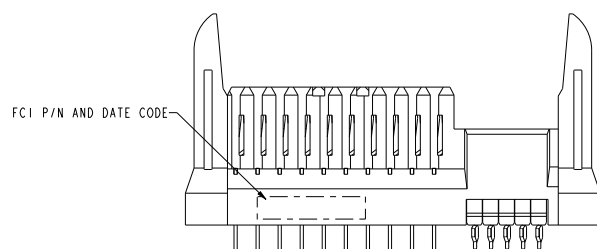
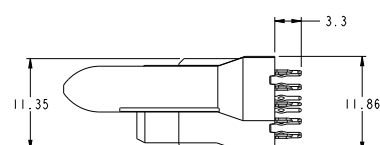
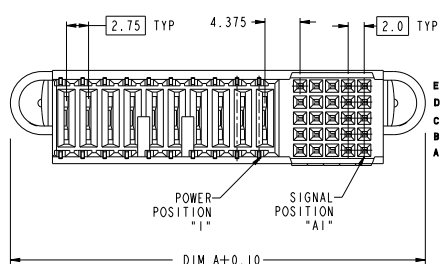
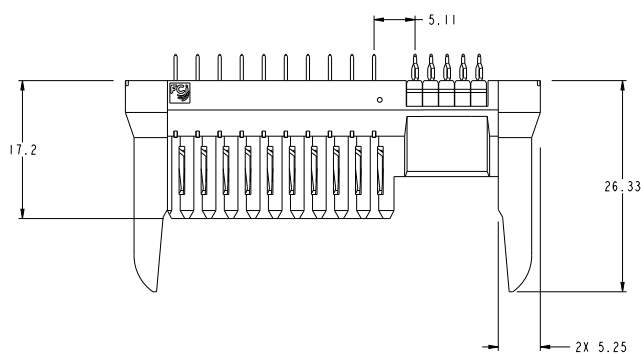
spec. ref.	SEE NOTES	dr.	00000000	projection	MM	size	A2	scale	3:1
tolerance std.	ASME Y14.5	eng.	00000000	chr.	00000000	product family	PwrLoPro	rel. level	Released
appr.	00000000	www.fci.com	00000000	00000000	00000000	00000000	00000000	00000000	00000000
surface	linear	0.1	±0.30	0.2X	±0.20	0.25X	±0.10	0.25X	±0.10
ASME Y14.5	angular	0°	±2°	0°	±2°	0°	±2°	0°	±2°
PWR LP RECEPTACLE ASSEMBLY VERTICAL, PASSIVE GUIDE									
10121382									
Product - Customer Drw									
sheet 1 of 3									

PDS: Rev -G

STATUS: Released

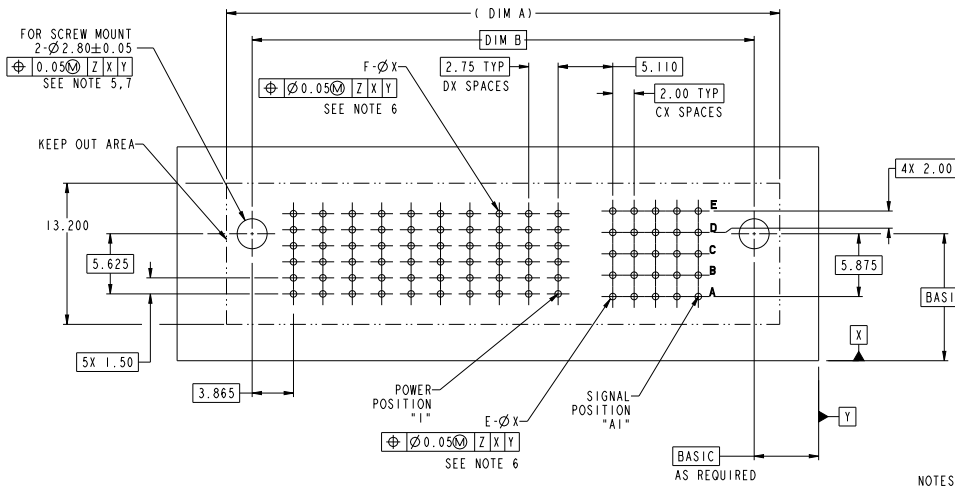
Printed: 09/09/2014

PART NUMBER	CONFIGURATION	DIM"A	DIM"B	"C" SPACES	"D" SPACES	"E" QTY.	"F" QTY
10121382-R10253SLF	10P + 25S	51.74	46.95	4	9	25	60
10121382-R18353SLF	18P + 35S	77.74	72.95	6	17	35	108
10121382-R08203SLF	08P + 20S	44.24	39.45	3	7	20	48
10121382-R02153SLF	02P + 15S	25.74	20.95	2	1	15	12
10121382-R20353SLF	20P + 35S	83.24	78.45	6	19	35	120
10121382-R02253SLF	02P+25S	29.74	24.95	4	1	25	12



10121382-R1025SLF AS SHOWN

spec. ref		SEE NOTES		dr	drawing/rev		revision	projection	MM	size	A2	scale	3 : 1
reference std		TOLERANCES UNLESS OTHERWISE SPECIFIED		app	Ltr		date		ecc no	ALL DIMENSIONS IN MILLIMETERS			
ASME Y14.5				appr	Ltr		date		ecc no	ALL DIMENSIONS IN MILLIMETERS			
				chpr	drawing/rev		revision	product family	PerLoPro	rlt level	Released		
surface		linear	0.1X ±0.30 0.1X ±0.20 0.1X ±0.10			PWR LP RECEPTACLE ASSEMBLY				10121382		rev	
ASME Y14.5		angular	0° ±30	www.fcc.com		VERTICAL, PASSIVE GUIDE						sheet 2 of 3	
5		PDS: rev.7.0		STATUS: Released		Product - Customer Drw		sheet 2 of 3		Printed: 8 Jun 09		2	



RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
(AS VIEWED FROM COMPONENT SIDE)
SCALE 4:1

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: 1.27 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.
- 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 DELTA PT25 SELF TAPPING SCREW IS RECOMMENDED (SUPPLIED BY CUSTOMER).
- FOR PRESS FIT $\phi 0.61$ mm, FOR SOLDER $\phi 0.90$ mm.
- UNPLATED HOLES.
- PRODUCT SPECIFICATION GS-12-1064
APPLICATION SPECIFICATION: GS-20-0362

spec. ref.	SEE NOTES	dr.	proj.	MM	size	A2	scale
tolerance std	ASME Y14.5	tolerance	tolerance	tolerance	tolerance	tolerance	tolerance
surface	linear	0.1	0.2	0.3	0.4	0.5	0.6
ASME Y14.5	angular	0.1	0.2	0.3	0.4	0.5	0.6
PWR LP RECEPTACLE ASSEMBLY VERTICAL, PASSIVE GUIDE							
Product - Customer Drw							
sheet 3 of 3							

PDS: Rev:G

STATUS: Released

Printed: 09/09/2014