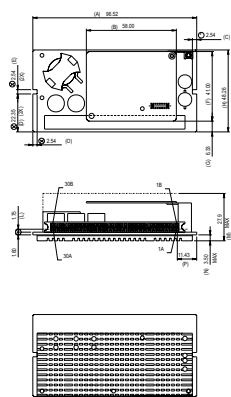


DC-DC Converters

SSI D2D



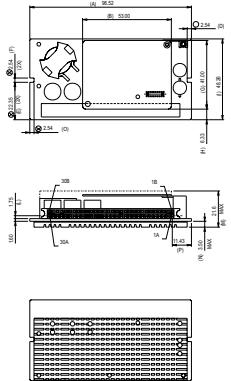
MECHANICAL DRAWING



Module Pinout

Pin#	RowA	RowB
1	48 Vin	48 Vin
2	48 Vin	48 Vin
3	Resistor	Resistor
4	PGND	PGND
5	OUTEN	OUTEN
6	IN+IN	+12V
7	SENSE	SENSE
8	Sec.GND	Vcc
9	Sec.GND	Vcc
10	Sec.GND	Vcc
11	Sec.GND	Vcc
12	Sec.GND	Vcc
13	Vcc	Sec.GND
14	Sec.GND	Vcc
15	Vcc	Sec.GND
16	Sec.GND	Vcc
17	Vcc	Sec.GND
18	Sec.GND	Vcc
19	Vcc	Sec.GND
20	Sec.GND	Vcc
21	Vcc	Sec.GND
22	Sec.GND	Vcc
23	Vcc	Sec.GND
24	Sec.GND	Vcc
25	Vcc	Sec.GND
26	Sec.GND	Vcc
27	Vcc	Sec.GND
28	Sec.GND	Vcc
29	Vcc	Sec.GND
30	Sec.GND	Vcc

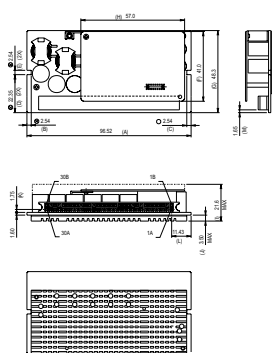
NOTES:
1. REV00 FOR S3



Module Pinout

Pin#	RowA	RowB
1	48 Vin	48 Vin
2	48 Vin	48 Vin
3	Resistor	Resistor
4	PGND	PGND
5	OUTEN	OUTEN
6	IN+IN	+12V
7	SENSE	SENSE
8	Sec.GND	Vcc
9	Sec.GND	Vcc
10	Sec.GND	Vcc
11	Sec.GND	Vcc
12	Sec.GND	Vcc
13	Vcc	Sec.GND
14	Sec.GND	Vcc
15	Vcc	Sec.GND
16	Sec.GND	Vcc
17	Vcc	Sec.GND
18	Sec.GND	Vcc
19	Vcc	Sec.GND
20	Sec.GND	Vcc
21	Vcc	Sec.GND
22	Sec.GND	Vcc
23	Vcc	Sec.GND
24	Sec.GND	Vcc
25	Vcc	Sec.GND
26	Sec.GND	Vcc
27	Vcc	Sec.GND
28	Sec.GND	Vcc
29	Vcc	Sec.GND
30	Sec.GND	Vcc

NOTES:
1. REV00 FOR S3



Module Pinout

Pin#	RowA	RowB
1	48 Vin	48 Vin
2	48 Vin	48 Vin
3	Resistor	Resistor
4	PGND	PGND
5	OUTEN	OUTEN
6	IN+IN	+12V
7	SENSE	SENSE
8	Sec.GND	Vcc
9	Sec.GND	Vcc
10	Sec.GND	Vcc
11	Sec.GND	Vcc
12	Sec.GND	Vcc
13	Vcc	Sec.GND
14	Sec.GND	Vcc
15	Vcc	Sec.GND
16	Sec.GND	Vcc
17	Vcc	Sec.GND
18	Sec.GND	Vcc
19	Vcc	Sec.GND
20	Sec.GND	Vcc
21	Vcc	Sec.GND
22	Sec.GND	Vcc
23	Vcc	Sec.GND
24	Sec.GND	Vcc
25	Vcc	Sec.GND
26	Sec.GND	Vcc
27	Vcc	Sec.GND
28	Sec.GND	Vcc
29	Vcc	Sec.GND
30	Sec.GND	Vcc

NOTES: 1. REV00 FOR S3

SPECIAL FEATURES

- Intel SSI B D2D
- High efficiency 12 V > 90%
5 V > 89%
3.3 V > 85%
- 12Vsb standby power input

GENERAL SPECIFICATION

12V & 5V

- Output Voltage Accuracy :+5% ~ -3 %
- Input Filter :LC
- Switching Frequency:12V & 180 KHZ, 5V&190 KHZ
- Short Circuit Protection : Auto recovery mode
- Over Voltage Protection: Latch mode

3.3 V

- Output Voltage Accuracy:+4.8 ~ -3 %.
- Input Filter:LC
- Switching Frequency:200 KHZ
- Short Circuit Protection :Auto recovery mode
- Over Voltage Protection: Latch mode
- Operating Temperature:0~60
- Cooling: Forceo - Air convection ,150 LFM.
- Size: 3.8 "L * 1.9"H * 0.9"W for 12V
3.8 "L * 1.9"H * 1.1"W for 5V
3.8 "L * 1.9"H * 0.83"W for 3.3V

Model	Input Intel spec. Vdc	Output Voltage Vdc	Output Voltage A	Current Protection	Features				OTP
					Fuse Sharing	Current OVP	Sense	Remote	
D48S1210 B	X.5.4	48	12	0~10	V	V	V	V	V
D48S0525 B	X.5.4	48	5	0.1~25	V	V	V	V	V
D48S3R330B	X.5.4	48	3.3	0.25~30	V	V	V	V	V