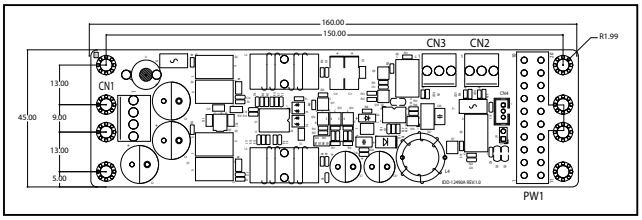
IDD-12490A 90W+120W DC/DC Converter Module

Features

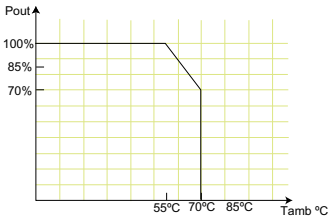
- 90W + 120W (12V Pass Thru); Total power 210W
- AT or ATX Mode On/Off
- Up to 90% Efficiency
- RoHS Compliant
- Compact Size

Dimensions (Millimeters)



Specifications

- Output: 12V@10A(pass thru.), 5V@10A (Max.), 3.3@8A (Max.), -12V@0.3A (Max.) & 5VSB@2A (Max.)
  Max. Total Output: 90W plus 120W (12V pass thru.)
- Input: 12VDC
- Performance Characteristics
  Noise & Ripple: <120mV
  Load Regulation: <60mV
  Efficiency: Up to 90%
- Dimensions: 45mm x 160mm
- Weight: NW: 82g
- Operating Temperature: -20°C ~ 70°C



Packing List

1 x IDD-12490A
1 x QIG

PIN Assignments

Input Power Connector

CN1	Pin 1	Pin 2	Pin 3	Pin 4
	Vin	Vin	GND	GND

Output Power Connector

CN2 CN3	Pin 1	Pin 2	Pin 3
	+5V	GND	+12V
PW1	Standard 20pins ATX		

ATX Mode Connector

CN4	Pin 1	Pin 2	Pin 3
	5VSB	GND	PS_ON

Ordering Information

Part No.	Description
IDD-12490A-R10	90W + 120W DC/DC 12V input; 12V, 5V, 3.3V, -12V & 5VSB output
CB-JST3PSW-RS	30cm Cable ON/Off Switch
CB-JST3P001-RS	30cm 5VSB, PS_ON Wire to SBC
CB-3PSATA-RS	10cm Cable for SATA Power
CB-3PIDE-RS	10cm Cable for IDE HDD Power
CB-P1LP4-RS	20cm Cable for FSP0601AD101C 60W/ UP0451E12P 45W/UP0251E12PL 25W AC-DC adapter
CB-MD4P4-RS	20cm Cable for 63000-FSP120AAB-RS 120W AC-DC adapter
CB-NOLP4-RS	20cm Cable for Terminal Block DC Input
CB-ATX20P-RS	30cm 20 Pins ATX to 20 Pins ATX Cable

Wire Harness Selection Guide

DC Input (CN1)

Option 1.
PN: CB-P1LP4-RS
Cable for FSP0601AD101C 60W/ UP0451E12P 45W/UP0251E12PL 25W AC-DC adapter

Option 2.
PN: CB-MD4P4-RS
Cable for 63000-FSP120AAB-RS 120W AC-DC adapter

Option 3.
PN: CB-NOLP4-RS
Cable for Terminal Block

SBC Main Power (PW1)

Option 1.
PN: CB-ATX20P-RS
20 Pins ATX to 20 Pins ATX Cable

I/O Power (CN2 & CN3)

Option 1.
PN: PN:CB-3PSATA-RS
Cable for SATA

Option 2.
PN: CB-3PIDE-RS
Cable for IDE HDD or any STD 4 pins I/O devices

Power On/Off (CN4)

Option 1.
PN: CB-JST3PSW-RS
Cable with On/Off Switch

Option 2.
PN: CB-JST3P001-RS
Cable to SBC (5VSB & PS_ON)