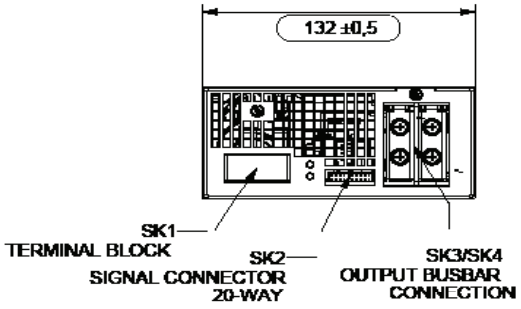
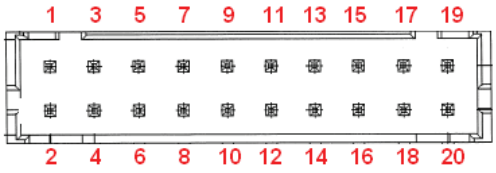
Pin Assignment

Signals	Name Description	Pin Number(s)
+Vout	Power rail	SK4
GND	Power GND	SK5
Signals	**Name Description**	**SK2 Pin Number**
A2	EEPROM Address	1
-VPROG	Return connection of external supply for Margin Programming	2
A1	EEPROM Address	3
-Vsense	Remote Sense Return	4
ISHARE	Load share voltage	5
A0	EEPROM Address	6
SDA1	Serial Data Signal (I2C)	7
+VPROG	Positive connection of external supply for Margin Programming	8
SCL1	Serial Clock Signal (I2C)	9
+Vsense	Remote Sense Positive	10
5VSB	5 V standby	11
GND	5 V standby Return	12
5VSB	5 V standby	13
G_DCOK_C	Global DCOK Collector	14
GPIOA6	EEPROM Write Protect	15
G_DCOK_E	Global DCOK Emitter (GND)	16
GND	Return Ground for output signal and I2C communication	17
G_ACOK_C	Global ACOK Collector	18
INH_EN	Turn Off Main Output	19
G_ACOK_E	Global ACOK Emitter (GND)	20

Note: Mating connector for SK2 is:
LANDWIN: PN 2050S2000 Housing and PN 2053T021V Contact
CIVILUX: PN CI0120SD000 Housing and PN CI01TD21PE0 Contact
JST: PN PHDR-20VS housing and PN: SPHD-001T-P0.5



PSU Front View (24V & 48V UNITS)



Signal Output Signal Connectors (SK2)
JST: PN PHDR-20VS housing and PN: SPHD-001T-P0.5

LED INDICATORS

2 provided are clearly visible up to a 45 degree offset from vertical with office environment ambient lighting. The status is reflected in the indicator color.

The DC_OK LED shall light green if the DC output is within specification, and shall be off if the output falls out of specification.

The AC_OK LED is green if the AC is within specification and off when out of specification.

CONTROL SIGNALS

AC_OK Open collector 0.5 V maximum at 10 mA. Both emitter and collector access provided.
DC_OK Open collector 0.5 V maximum at 10 mA. Both emitter and collector access provided.
PS_INHIBIT/ENABLE Signal 0.0 - 0.5 V contact closure, output OFF

Ordering Information Table 1

Model Number*	Output	Nominal Output Voltage Set Point	Set Point Tolerance	Adjustment Range	Current		Output Ripple P/P (0-50 °C)	Max Continuous Power	Combined Line/ Load Regulation
					Min	Max			
LCM1500L	12 V	12 V	±0.5%	10.8 - 13.2 V	0 A	133 A	120 mV	1500 W	2%
LCM1500N	15 V	15 V	±0.5%	13.5 - 16.5 V	0 A	100 A	150 mV	1500 W	2%
LCM1500Q[1]	24 V	24 V	±0.5%	21.6 - 26.4 V	0 A	67 A	240 mV	1500 W	2%
LCM1500R	28 V	28 V	±0.5%	25.2 - 30.8 V	0 A	53 A	280 mV	1500 W	2%
LCM1500U	36 V	36 V	±0.5%	32.4 - 39.6 V	0 A	43 A	360 mV	1500 W	2%
LCM1500W	48 V	48 V	±0.5%	43.2 - 52.8 V	0 A	33 A	480 mV	1500 W	2%

[1] 80 PLUS® certified

Ordering Information Table 2

LCMXXXXY		-	A	-	B	-	C	-	###
Case Size			Input Termination		Acoustic Noise		Option Codes*		Hardware Code
1-Phase input where XXXX =									
1500 = 2.4" x 5.0" x 10.0", 1500 W					Blank = Standard		Blank = No Options		Factory Assigned for Modified Standards
			T = Terminal Block				1 = Conformal Coat		
Voltage Code Y =							2 = Reverse Air		
Code							3 = Opt 1 + 2		
L	12						4 = 5V Standby		
N	15						5 = Opt 1 + 4		
Q	24						6 = Opt 2 + 4		
R	28						7 = Opt 1 + 2 + 4		
U	36						8 = Constant Current		
W	48						9 = Opt 1 + 8		
							B = Opt 2 + 8		
							C = Opt 1 + 2+ 8		
							D = Opt 4 + 8		
							E = Opt 1 + 4 + 8		
							F = Opt 2 + 4 + 8		
							G = Opt 1 + 2 + 4 + 8		

*Some option code combinations may not be configured yet and will require extra leadtime the first time they are requested.