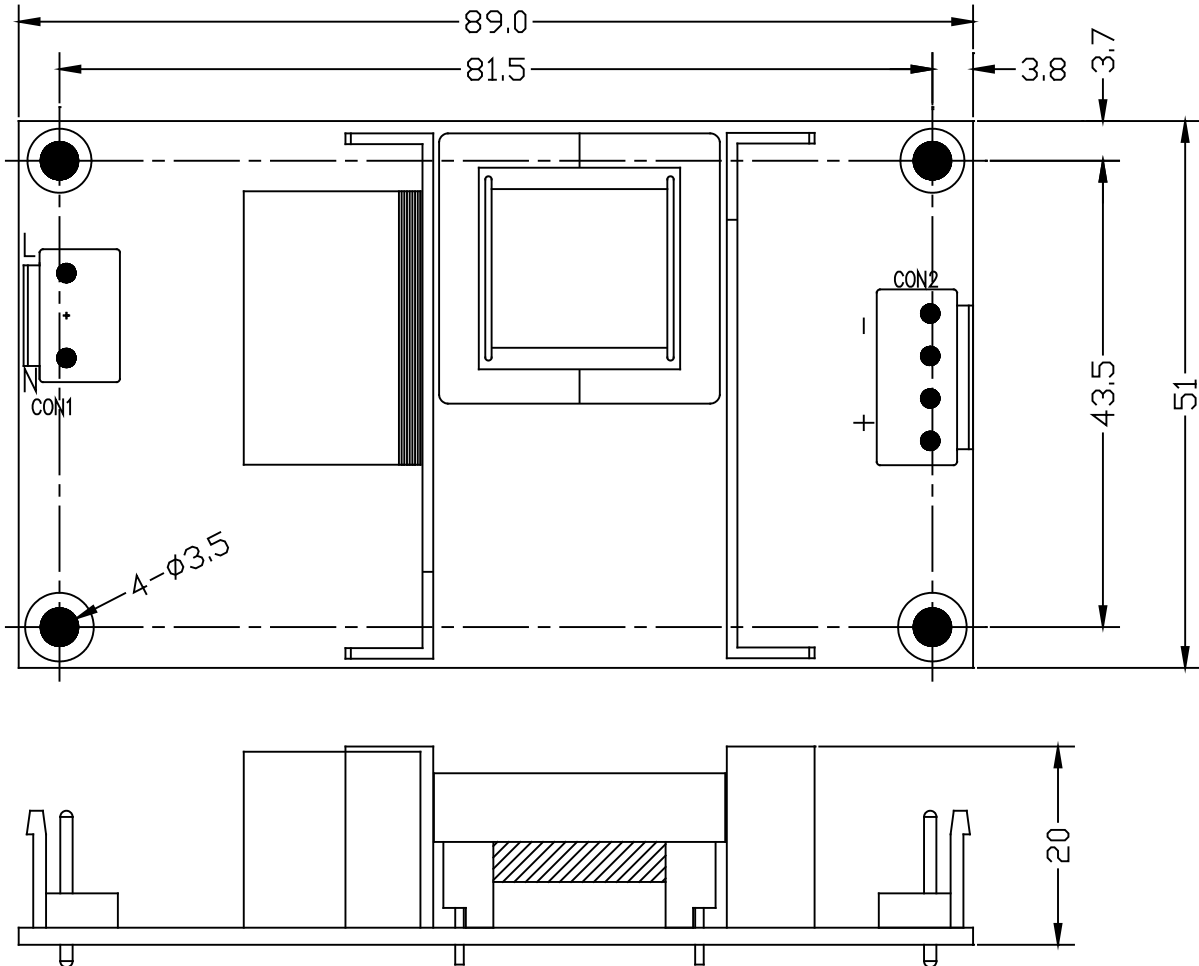
**Features:**

- Universal AC input/ Full range
- Wide Operating Ambient Temperature (-20°C~60°C)
- High Efficiency, and High Reliability
- Ultra-minature size, low profile
- Output Protections: OLP/OVP/SCP
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test



Model	QPS-20-3.3	QPS-20-5	QPS-20-12	QPS-20-15	QPS-20-24	QPS-20-48
Output Characteristics						
DC Output	3.3V	5V	12V	15V	24V	48V
Rated Current	4A	4A	1.67A	1.34A	0.84A	0.42A
Current Range	0~4A	0~4A	0~1.67A	0~1.34A	0~0.84A	0~0.42A
Ripple and Noise	0~60°C	<50mV	<50mV	<50mV	<50mV	<100mV
	-20~0°C	<75mV	<75mV	<75mV	<75mV	<100mV
Voltage ADJ. Range	3.1~3.6V	4.4~5.6V	11.1~13.1V	13.7~16.1V	22.0~25.4V	45.6~50.4V
Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
Set-up Time	<2.0s (115VAC input, full load); <1.0s (230VAC input, full load)					
Hold-up Time	>10ms (115VAC input, full load); >20ms (230VAC input, full load)					
Temperature Coefficient	±0.03%/°C					
Overshoot and Undershoot	<5.0%					
Input Characteristics						
Voltage Range	90VAC~264VAC, 127VDC~370VDC					
Frequency Range	47Hz-63Hz					
Efficiency (Typical)	115VAC Input	69%	76%	79%	80%	80%
	230VAC Input	68%	75%	78%	79%	79%
AC Current (max)	<0.5A					
Inrush Current (Typical)	20A@115VAC Cold start 40A@230VAC Cold start					
Leakage Current	Input-Output: <0.35mA Input-PG: <0.75mA					
Protection						
Over Load (OLP)	105%~150% of rated output power, hiccup mode, auto recover					
Over Voltage (OVP)	110%~140% of rated output voltage, constant voltage					
Short Circuit (SCP)	Long-term mode, auto recovery					
Environmental Characteristics						
Operating Amb. Temp. & Hum	-20°C~60°C; 20%~90% RH Non-Condensing					
Storage Temp. & Hum	-40°C~85°C; 10%-95% RH Non-Condensing					
Safety Standards	UL60950-1; EN60950-1: 2006					
Withstand Voltage	Primary-Secondary: 3.0KVAC;≤10mA. Primary-PG: 1.5KVAC;≤10mA. Secondary-PG: 0.5KVDC;≤10mA					
Isolation Resistance	≥100M ohms					
EMI Conduction & Radiation	Compliance to EN55022(CISPR22) Class B					
Harmonic Current	Compliance to EN61000-3-2, 17625.1-2003					
EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, light industry level, criteria A					
General Characteristics						
MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)					
Dimension (LxWxH)	89x51x20mm					
Packing	60PCS/CTN. G.W: 7.6kgs					
Cooling Method	Cooling by free air convection					

MECHANICAL SPECIFICATIONS



ITEM	CONNECTOR	MATING HOUSING	TERMINAL
AC IN (CON1)	LANDWIN 3961P0300T (CENTER PIN REMOVED)	LANDWIN 3960S OR JST VHR	LANDWIN 3963T011R OR JST SVH-21T-P1.1
DC OUT (CON2)	LANDWIN 3961P0400T	OR MOLEX 51144	OR MOLEX 50539

UNIT: mm