



## 21-2002

### Gigabit PoE Injector

#### 1. INPUT :

- 1.1 Input Voltage: AC 90V ~ 264V @120V/230V
- 1.2 Input Frequency : 47 ~ 63hz
- 1.3 Input Current: 1.02A at 120Vac @F.L  
0.63A at 230Vac
- 1.4 Inrush current: 25A Max at 120Vac & 50A Max at 230Vac

#### 2. OUTPUT :

##### 2.1 Output Voltage & Current:

OUTPUT	+56V
Max. load	0.9A
Power	50.4W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

TOTAL POWER :50.4 W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz. Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

3. EFFICIENCY : 85% min. at AC 120V Input @F.L

#### 4. PROTECTION

##### 4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply will Auto-Recover when Load status going to normally.

4.2 Over Voltage Protection : 59V ~ 65V

4.3 Over Current Limits : 150% ~ 200% @90V ~ 240Vac

4.4 Input with Fuse Protection

4.5 LED indicates PWR - OK

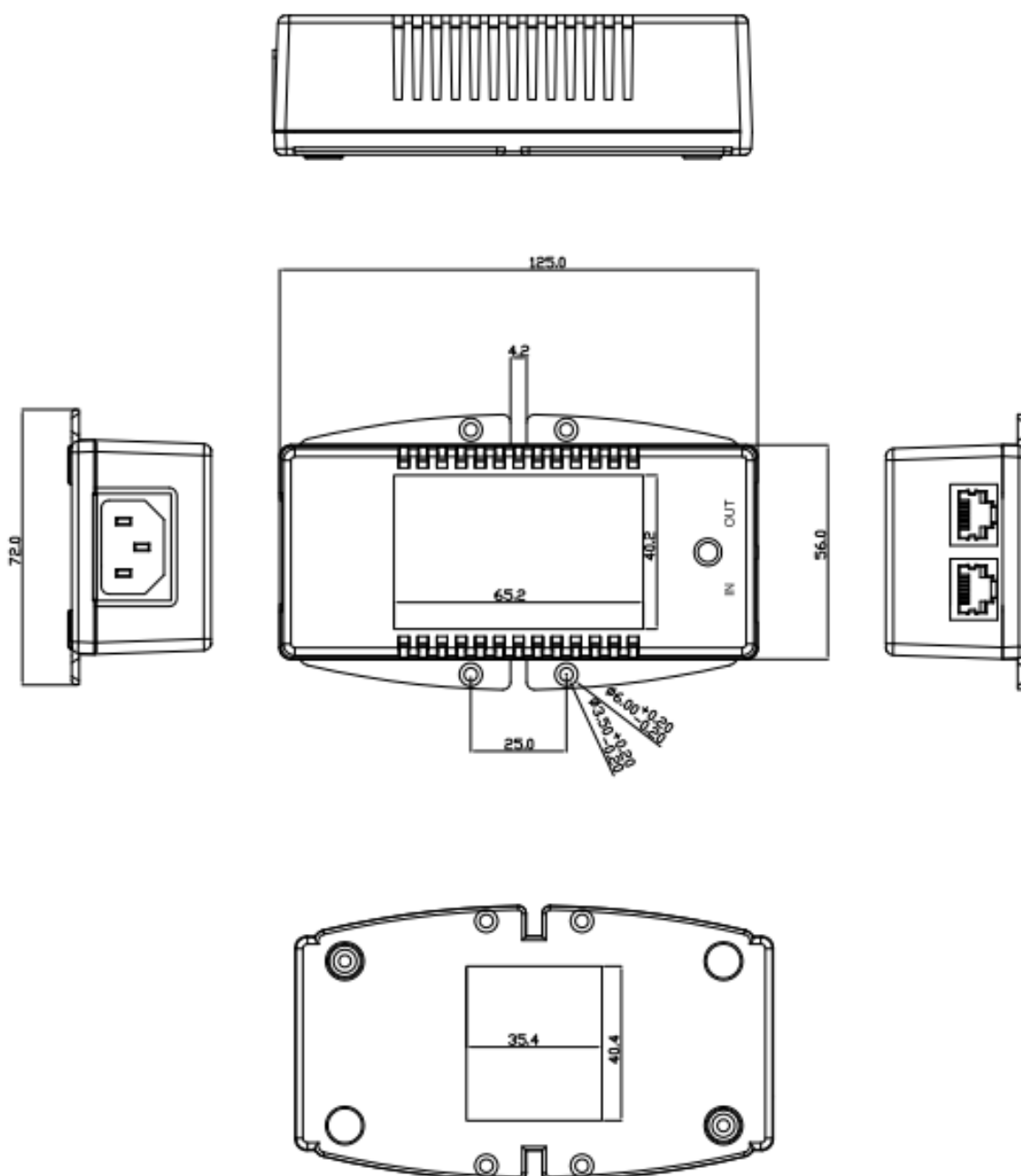
5. EMC : Meet FCC Class B EN55022 Class B

5.1 SAFETY STANDARD : Meet UL1950, CSA 22.2 &TUV EN60950

5.2 Hold up time :6mS min. at maximum load &120Vac Input.

## 6. GENERAL DESCRIPTION

- 6.1 Operation Temperature: -40 - +70 °C
- 6.2 Storage Temperature: -40 - +85 °C
- 6.3 Operation Humidity: 5% - 90%RH (non-condensing)
- 6.4 Cooling: Free air cooling
- 6.5 SIZE 125\*72\*38 (L\*W\*H)



**DIREKTRONIK**

info@direktronik.se  
tel: 08-52400700



# MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248 Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

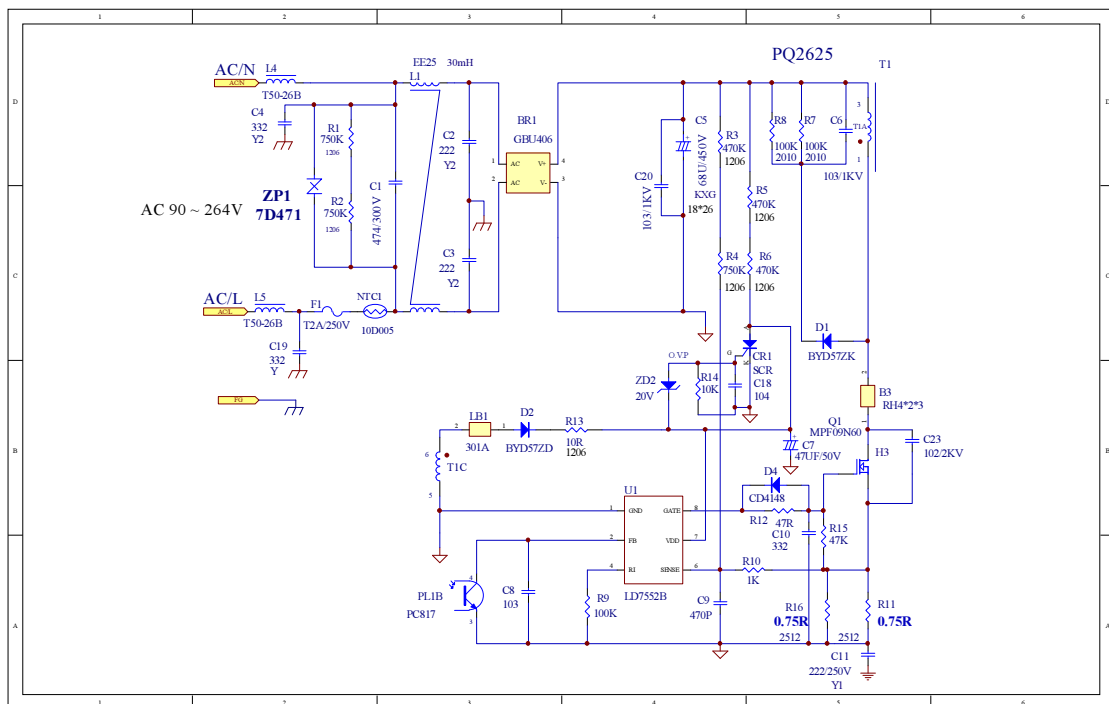
E.MAIL: mse@mse.com.tw  
 WEB: http://www.mse.com.tw

## 7.1 RJ45 pin assignment: @1000MBASE

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-
S	Shield	Shield	Shield	Shield

## 7.2 the input and output RJ45s with metal enclosure for shield, connected to FG.

### SURGE/LIGHTNING PROTECTION



ZP1 : 7D471



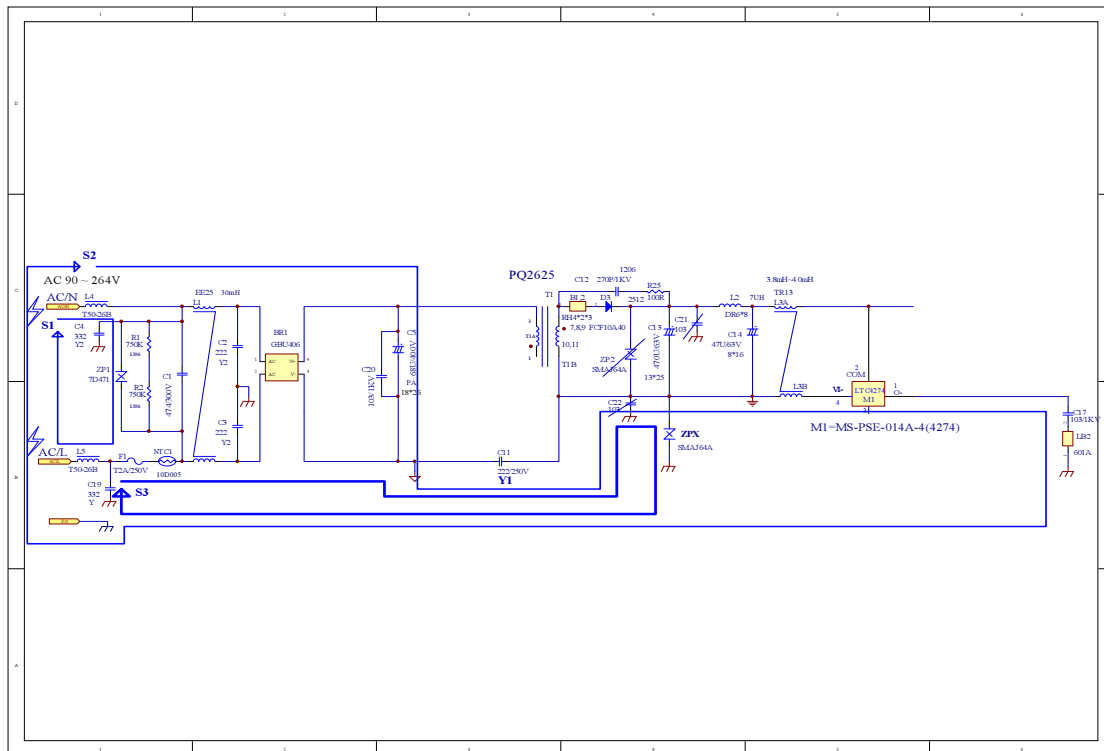
# MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248 Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com.tw

WEB: <http://www.mse.com.tw>



When lightning:

1. Route S1 will be absorbed by ZP1, will not affect the circuit.
2. Route S2 via FG to second, will pass by PSE, due to PSE reset
3. Route S3 via ZPX, will not due to PSE reset.

Hi-POT

The primary to FG =DC3000V, the second to FG=DC1000V