



MSTronic Co., Ltd.

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SPECIFICATION

MIT-21G-1224

Gigabit 802.3at PoE Converter

12V/24V Switchable

1. INPUT :

1.1 Input Voltage: DC40V to DC60V NORMAL= 56V

1.2 Under Voltage Lockout: DC -32V

2. OUTPUT :

2.1 Output Voltage & Current: 12V/24V switchable

OUTPUT	+12V	+24V
Max. load	1A	1.041A
Power	12W Max	25W Max
Min. Load	0A	0A
Load reg. %	5%	5%
Line reg. %	1%	1%
Ripple %	2%	2%
Noise %	5%	5%

TOTAL POWER :25W, 12V only 12W

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 : 80% min @56Vin dc

4. PROTECTION

4.1 Short Circuit Protection

output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

4.2 Operation frequency is 150KHZ (min)

4.3 Isolation Voltage : 1500Vdc

4.4 Isolation Resistance :100M ohms (min)

4.5 Input Set class Resistance : 25K ohms

4.6 Maximum Capacitive Load : 470UF (24V = 100UF)

4.7 LED Green work as 802.3at Model.

LED Red work as 802.3af Model



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5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -25 - +50 Degree
- 5.2 Storage Temperature: -40 - +85 Degree
- 5.3 Operation Humidity: 5% - 90% 45 Degree
- 5.4 Cooling: Free air cooling
- 5.5 SIZE : 85*76*36 (L*W*H)m/m

6. CHANNEL CONNECTORS & PINOUT :

6.1 Power-Hub RJ45 Socket (per channel) data & Power-Hub RJ45 Socket

RJ-45 Input (Data & Power)		
Pin	Symbol	Description
1	BI_DA+, Vin +/-	Data Pairs A+/ Feeding power(+/-)
2	BI_DA-, Vin +/-	Data Pairs A-/ Feeding power(+/-)
3	BI_DB+, Vin +/-	Data Pairs B+/ Feeding power(+/-)
4	BI_DC+, Vin +/-	Data Pairs C+/ Feeding power(+/-)
5	BI_DC-, Vin +/-	Data Pairs C-/ Feeding power(+/-)
6	BI_DB-, Vin +/-	Data Pairs B-/ Feeding power(+/-)
7	BI_DD+, Vin +/-	Data Pairs D+/ Feeding power(+/-)
8	BI_DD-, Vin +/-	Data Pairs D-/ Feeding power(+/-)
9	Shield	Connector shielding

RJ-45 Output (Data & Power)		
Pin	Symbol	Description
1	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+
4	BI_DC+, Vo+	power(+)+Data Pair C+
5	BI_DC-, Vo+	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-
7	BI_DD+, Vo-	power(-)+Data Pair D+
8	BI_DD-, Vo-	power(-)+Data Pair D-
9	Shield	Connector shielding

- 7. EMI Meet FCC Class B standard
Meet EN55022 Class B standard

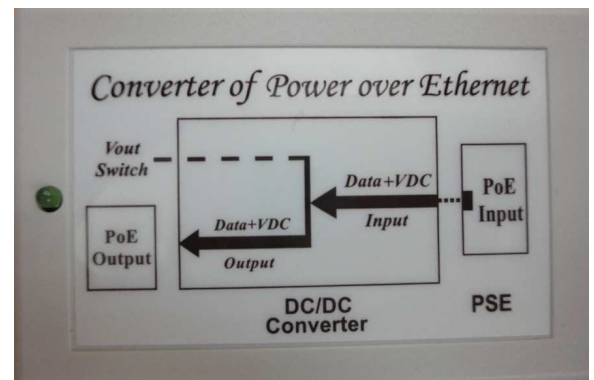
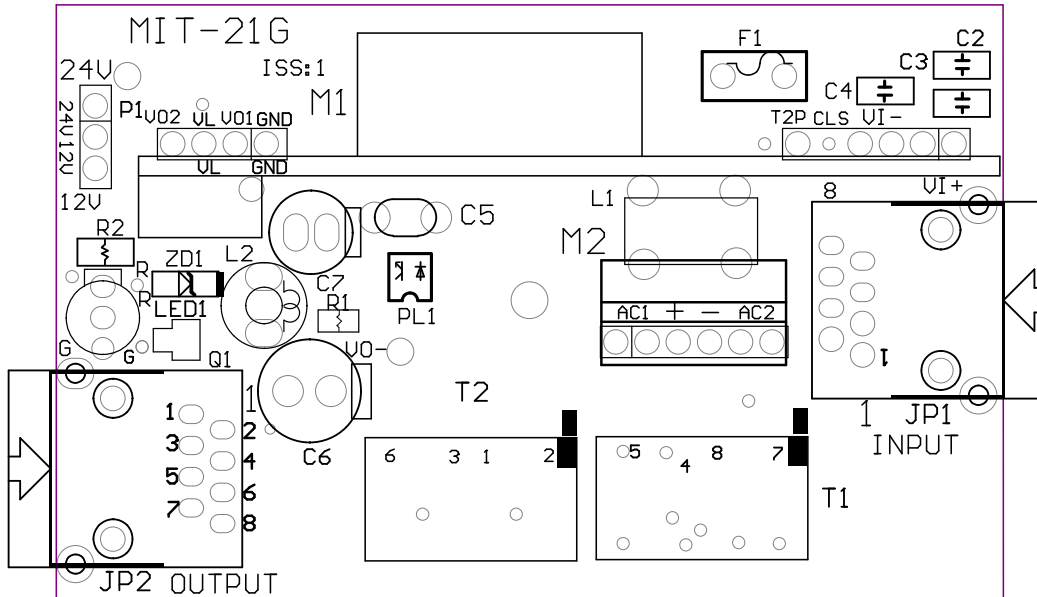


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