

10/100/1000 BASE-T QUAD PORT MAGNETICS MODULE

P/N: TG88010DE3 DATA SHEET



Feature

- Compliant with IEEE 802.3ab standard.
- Comply with RoHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

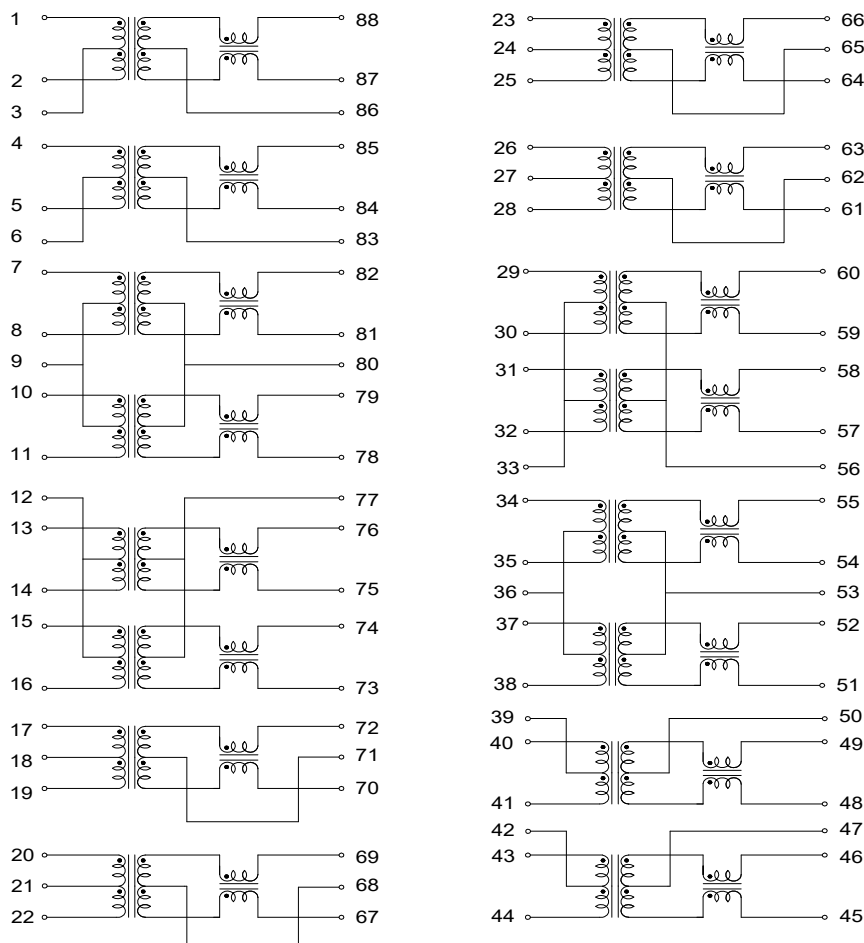
Rev :A/0

FCN: E3

Electrical Specifications @ 25°C

OCL:	350uH Min. @100KHz/0.1V with 8mA DC Bias				
Hi-POT :	1500Vrms				
Turn Ratio:	1:1±3%				
LK:	0.5uH Max @100KHz/0.2V				
Cw/w	65PF Max @100KHz/0.2V				
D.C.R:	1.4 ohm Max				
Insertion Loss:	1-100MHz: -1.0dB Max				
Cross Talk :	1-100MHz: -30dB Min				
CMRR:	1-100MHz: -30dB Min				
Return Loss:	1-30MHz	40MHz	50MHz	60-80MHZ	80-100MHZ
	-18dB Min	-14.4dB Min	-13.1dB Min	-12dB Min	-10dB Min

Schematic

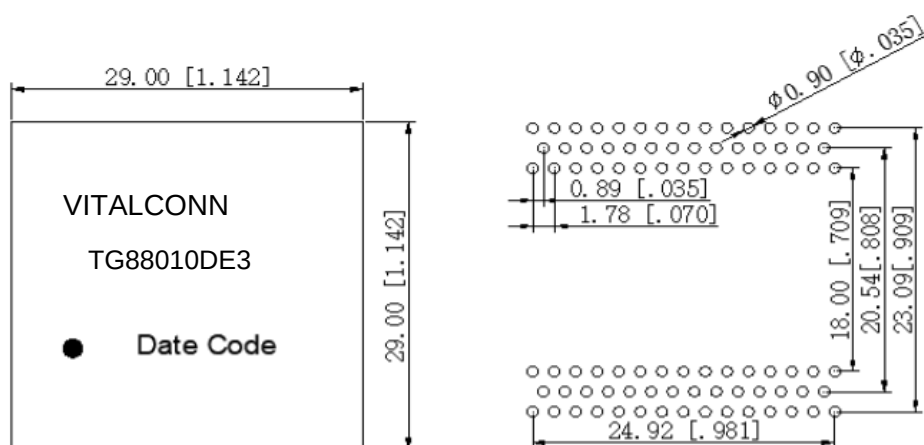


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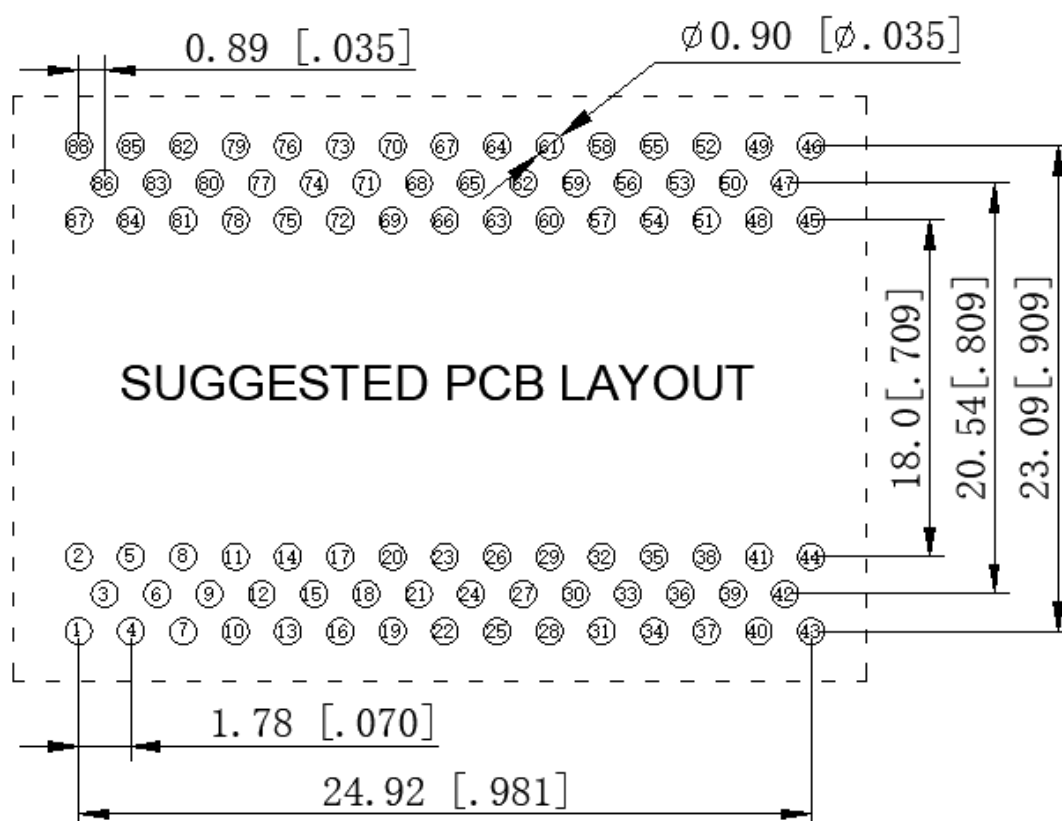
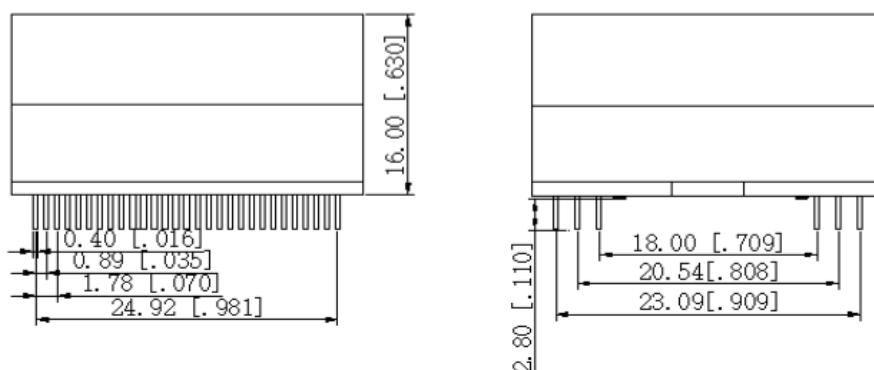
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Mechanical



SUGGESTED PCB LAYOUT



Unless otherwise specified, all tolerances are ± 0.25