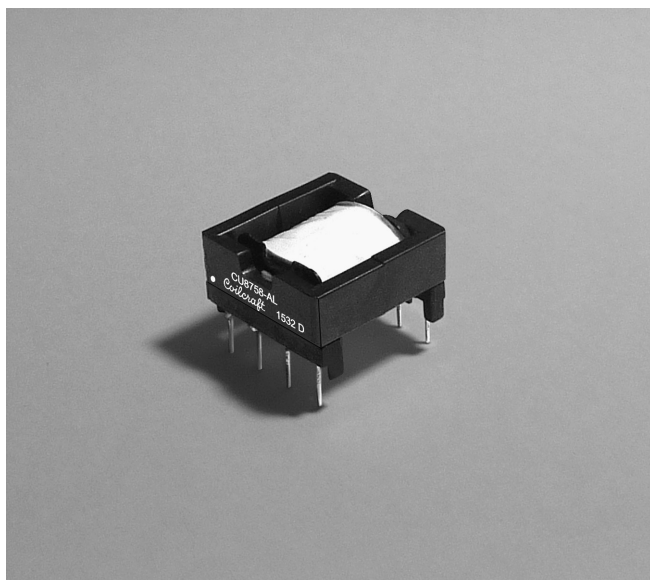




# Flyback Transformer

For Maxim MAX17597  
Flyback Configuration



- Mounted on Maxim MAX17597 Evaluation Kit
- 18 V – 36 V primary input
- 24 V, 0.833 A output
- 1500 Vrms, one minute isolation between primary and secondary

**Core material** Ferrite

**Terminations** RoHS tin-silver-copper (96.5/3.0/0.5) over tin over nickel over phos bronze. Other terminations available at additional cost.

**Weight** 13.4 g

**Ambient temperature** –40°C to +125°C

**Maximum part temperature** 135°C (ambient + temp rise)

**Storage temperature** Component: –40°C to +125°C.

Tray packaging: –40°C to +80°C

**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

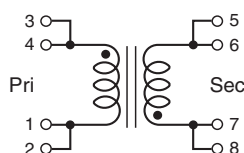
**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)

**Packaging** 100 parts per tray

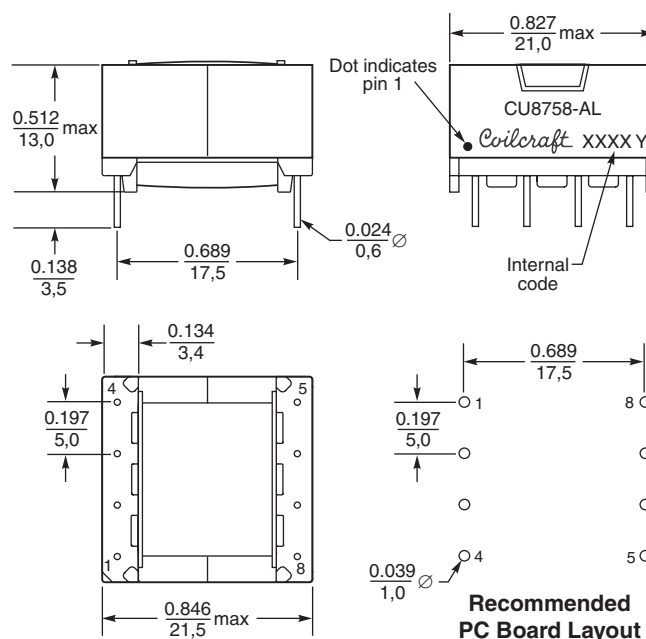
**PCB washing** Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787 PCB Washing.pdf](#).

Part number	Inductance at 0 Adc <sup>1</sup> ±10% (µH)	Inductance at Ipk <sup>2</sup> min (mH)	DCR max (Ohms)		Leakage Inductance <sup>3</sup> max (µH)	Turns ratio pri : sec	Ipk <sup>2</sup> (A)	Output
			pri	sec				
CU8758-AL	33	26	0.03	0.041	0.8	1 : 1.85	3.3	24 V, 0.833 A

1. Inductance is for the primary, measured at 200 kHz, 0.1 Vrms.
2. Peak primary current drawn at minimum input voltage.
3. Leakage inductance is for the primary winding with the secondary winding shorted.
4. Electrical specifications at 25°C.



The following pins to be connected on the PC board:  
Pins 1 – 2  
Pins 3 – 4  
Pins 5 – 6  
Pins 7 – 8



Dimensions are in  $\frac{\text{inches}}{\text{mm}}$



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