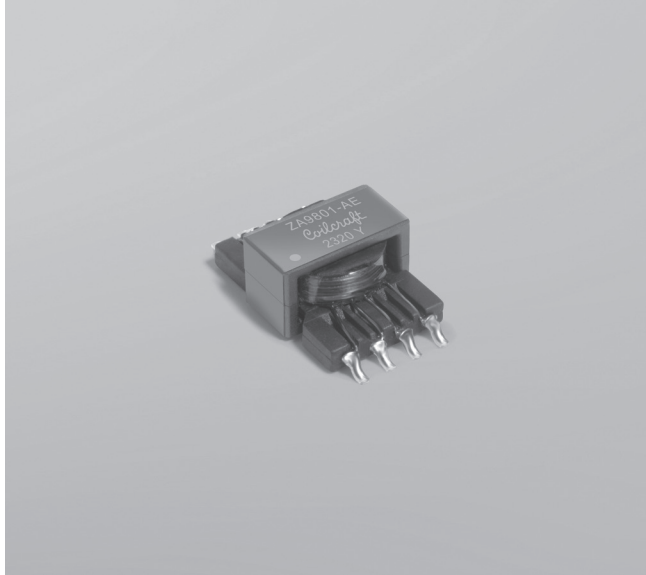




Push-Pull Transformer — ZA9801-AE



- Center-tapped push-pull transformer optimized for Texas Instrument SN650x or Analog Devices LT3999 DC/DC transformer driver
- High isolation, 5000 Vrms, one minute isolation (hipot) from primary to secondary
- 8 mm Creepage and Clearance on Material Group 3
- AEC-Q200 qualified

Core material Ferrite

Environmental RoHS compliant without exemption, halogen free

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 1.2 g

Ambient temperature -40°C to +125°C

Maximum part temperature +165°C

Storage temperature Component: -40°C to +125°C.
Tape and reel packaging: -40°C to +80°C

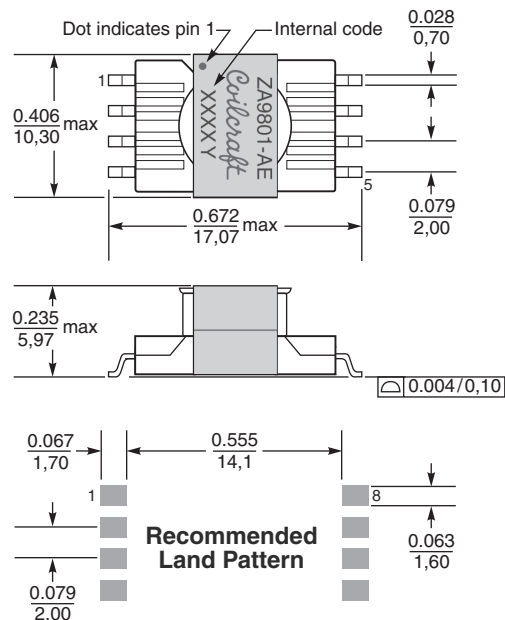
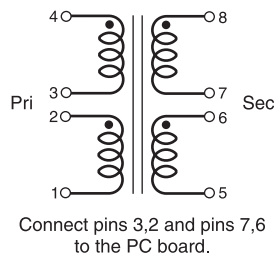
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

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

PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number ¹	Pri/sec voltage	Inductance ² min (μH)	DCR max (Ohms) ³ pri	sec	Leakage inductance ⁴ max (μH)	Volt-time product ⁵ (V-μsec)	Power ⁶ (W)	Turns ratio pri : sec
ZA9801-AED	3.3 V to 5 V	45.6	0.14	0.26	1.3	34.4	5	1 : 1.5

- Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (700 per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - Inductance is tested between pins 4 and 3 at 150 kHz, 0.1 Vrms, 0 Adc.
 - DCR is per winding.
 - Leakage inductance is for the primary with both windings connected in series and with the secondary windings shorted.
 - Volt-time product is for the primary, between pins 4 and 1 with pins 2 and 3 connected.
 - Calculated output power based on 150 kHz operating frequency. Power varies depending on application.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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

Packaging 700/13" reel Plastic tape: 32 mm wide, 0.40 mm thick, 16 mm pocket spacing, 5.72 mm pocket depth