PFC Inductor

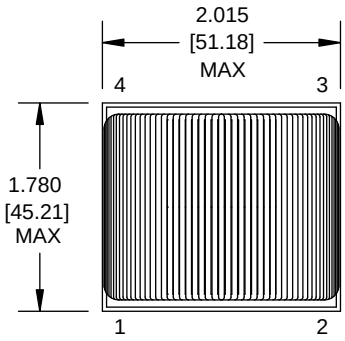
53PR116-292

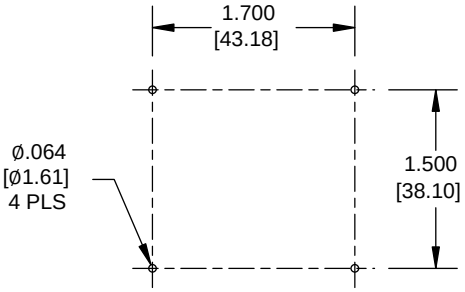
FEATURES

- Designed for Texas Instruments Evaluation Modules TIDM-1000 & MCU011
- Designed for Use in Vienna Rectifier Application
- Topology: 3-Phase PFC Boost-CCM
- Operating Temperature: -40°C to 125°C
- Manufactured with UL Recognized Materials for 130°C (B) Temperature Class
- Materials meet flammability requirements for UL94V-0
- **RoHS** Compliant Component

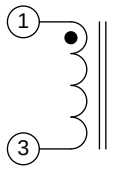
RoHS

MECHANICAL

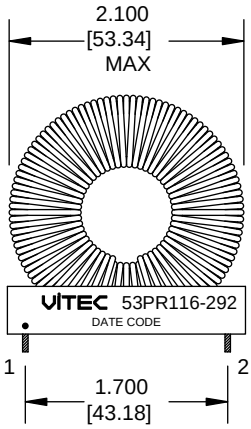


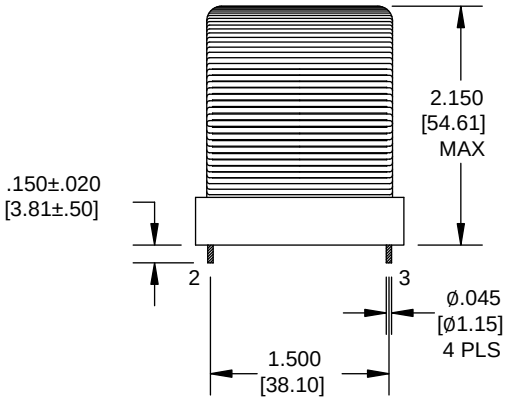


SUGGESTED OCB LAYOUT



SCHEMATIC





ALL DIMENSIONS GIVEN IN INCHES [MILLIMETERS].
TOLERANCES UNLESS OTHERWISE SPECIFIED.

LINEAR RANGE:	TOLERANCE
0<DIM<.500[12.70]	± .004 [± .10]
.500[12.70]<=DIM<1.000[25.40]	± .008 [± .20]
1.000[25.40]<=DIM<2.000[50.80]	± .012 [± .30]
2.000[50.80]<=DIM<3.000[76.20]	± .016 [± .40]

ANGULAR: ± 1°

ELECTRICAL SPECIFICATIONS @ 25°C

OCL: AT 100 KHz, 1 VRMS
(1-3) = 2.92 ± 10% mH (2.63-3.21 mH)
(1-3) = 2.17 ± 10% mH (1.95-2.39 mH) @ 8.7 ADC BIAS

DCR:
(1-3) = 0.200 OHMS MAX.

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