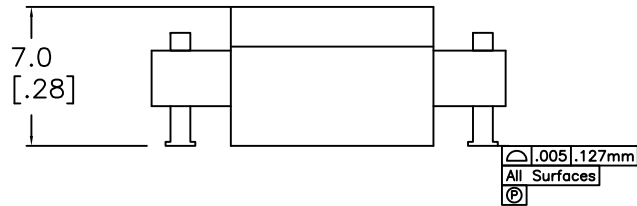
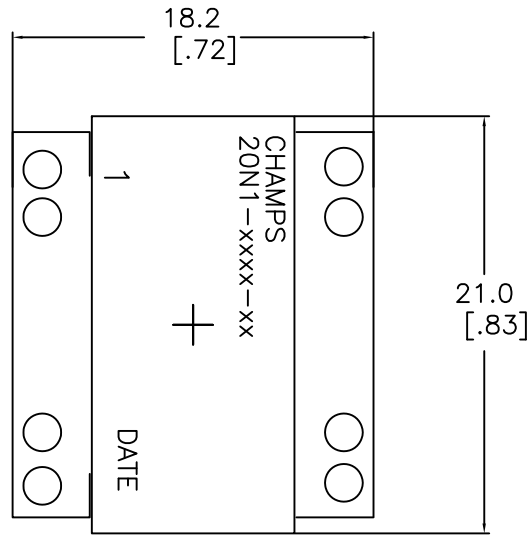


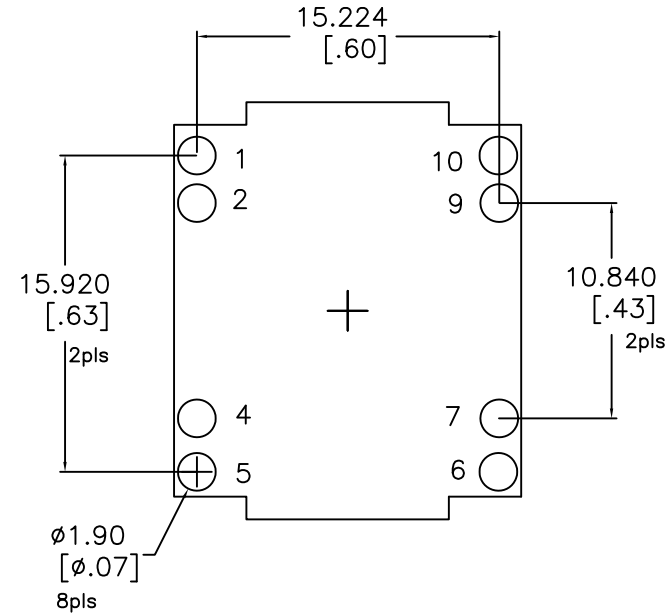
MECHANICAL DIMENSIONS [TOP VIEW]



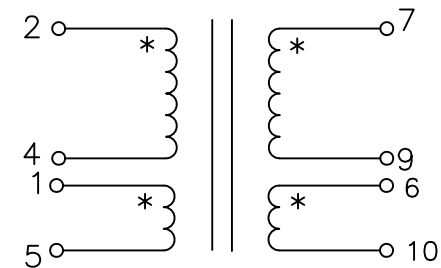
NOTES:

1. TURNS RATIO [7-9] : [2-4] = 1:2 $\pm 2\%$
TURNS RATIO [1-5] : [2-4] = xx $\pm 2\%$ || [6-10] : [2-4] = xx $\pm 2\%$
2. DCR [2-4] = 17.5 mohm Nom, [7-9] = 77 mohm Nom. [1-5] = 300 mohm Nom.
3. Inductance [2-4] = 40 μ H $\pm 10\%$, 100KHz, 1.0 VRMS @ 25C
4. Leakage Inductance [2-4] Short [7-9] = 150 nH Nom @100 KHz
5. Dielectric Strength [2-4], [1-5] to [7-9] & Core 1500 VDC Nom [Capable 2250Vdc] [7-9], [6-10] to CORE 500 VDC
6. RoHS & REACH Compliant
7. Rated Temperature Range: -55C to +130C [Inclusive of Temp Rise]

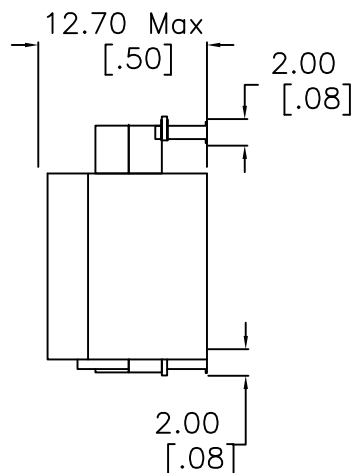
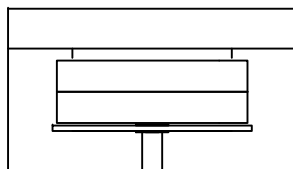
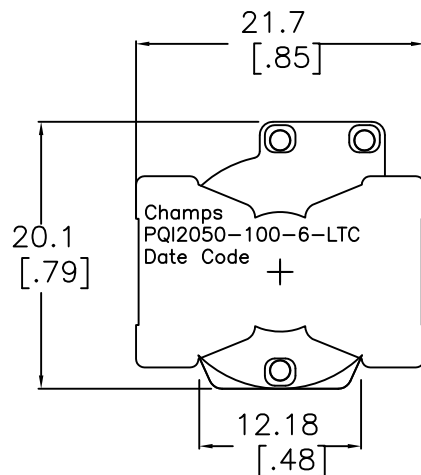
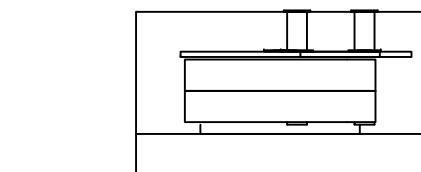
SUGGESTED PAD LAYOUT [TOP VIEW]



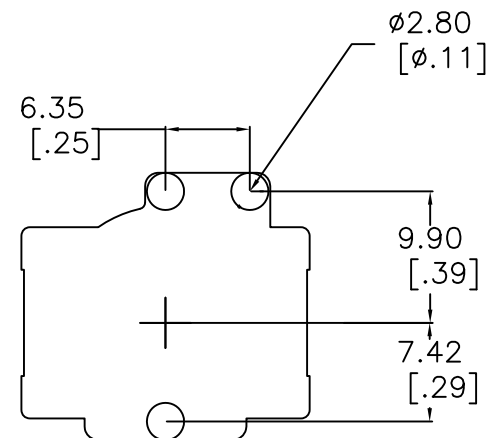
Schematic



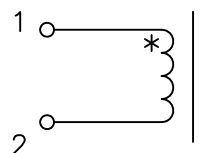
No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED		SIGN	DATE	Champs-Tech PN 20N1-0612-40R
.XXX ± 0.254	DRAWN	HE	10.24.19	Customer
.XX ± 0.508	CHKD			Part #:
.X ± 0.78	APPR			SIZE
ANGLE $\pm$				SCALE 3:1
				ISSUE A
				REV 00



SUGGESTED
PAD
LAYOUT



Schematic



INDUCTANCE [1-2] = 100.0uH Nom, 90 Min. @10kHz/0.1V 6.0 Adc
 INDUCTANCE [1-2] = 85 uH Min @10kHz/0.1V 6.8 Adc
 DCR [1-2] = 76 mohms Nom, 86 Max
 DIELECTRIC ISOLATION > 500 VDC [1-2] : CORE
 SATURATION CURRENT @25C = 6.8 Adc | @85C = 6.0 Adc
 HEATING CURRENT FOR 40C RISE AT 25C AMBIENT = 5.5Adc
 RoHS Level 6/6 and REACH Compliant
 OPERATING TEMP RANGE -55C to +130C [Inclusive of Temp Rise]

No.	DESCRIPTION	REVISIONS	DATE	APPR
THIRD ANGLE PROJECTION				
CHAMPS TECHNOLOGIES				
TOLERANCES/UNITS in MM UNLESS OTHERWISE INDICATED	DRAWN	SIGN	DATE	Champs-Tech PN PQI2050-100-6-LTC
	CHKD	DK	8/20/08	Customer Part #:
	APPR	HE	8/27/13	INDUCTOR
				SCALE 2:1