Champs-Tech PQI-26 Power Inductors

- **Inductance Range: 1.5uH to 900uH**
- **High Efficiency PQI Structure**
- **Low DCR || RoHS Compliant**
- **Typical Use: Output Filter Inductors**

Part #	Induct +/-10% @0Adc (μH)	Induct Min @Irated (μH)	Irated Adc	DCR mΩ		Saturation Current		Heat I (A)
				Nom	Max	25°C	100°C	
PQI26-1R5-HX	1.50	1.35	56	0.85	0.95	62	56	54
PQI26-2R0-HX	2.00	1.75	64	0.95	1.25	74	64	54
PQI26-3R0-HX	3.00	2.70	40	1.10	1.36	45	40	45
PQI26-4R7-HX	4.70	4.20	36	1.40	1.60	41	36	40
PQI26-5R8-HX	5.80	5.2	28	1.85	2.15	33	28	35
PQI26-6R8-HX	6.80	6.10	30	2.30	2.75	34	30	30
PQI26-8R0-HX	8.00	7.20	30	2.75	3.15	35	30	28
PQI26-10R-HX	10.0	9.0	24	2.75	3.15	28	24	28
PQI26-13R5-HX	13.5	12.0	21	2.75	3.15	25	21	28
PQI26-16R-HX	16.0	14.0	20	3.90	4.50	23	20	24
PQI26-18R-HX	18.0	16.0	16	3.90	4.50	18	16	24
PQI26-22R-HX	22.0	19.5	13	3.90	4.50	14.8	13	24
PQI26-27R0-LTC	27.0	24.0	13.5	8.80	10.0	15.5	13.5	16
PQI26-33R0-LTC	33.0	29.5	12.5	9.80	11.0	14	12.5	15
PQI26-39R0-LTC	39.0	35.0	10.5	9.80	11.0	12	10.5	15
PQI26-42R0-LTC	42.0	37.8	11.8	10.5	12.6	13.5	11.8	14
PQI26-54R0-LTC	54.0	48.6	11.2	15.0	17.5	13	11.2	12
PQI26-68R0-LTC	68.0	61.0	9.0	15.0	17.5	10.5	9.0	12

Notes:
1. Saturation current is that current which causes Inductance value to drop 15% at stated operating ambient temperature.
2. Heating current is that DC current which causes temp rise ~45 °C from ambient at 25 °C
3. Dielectric Withstand Voltage Minmum 500 Vdc

Add –LTC, -HX or –TP {Thermal Pad] to PN to complete Part No. Callout

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Part #	Induct +/-10% @0Adc (μH)	Induct Min @Irated (μH)	Irated Adc	DCR mΩ		Saturation Current		Heat I (A)
				Nom	Max	25°C	100°C	
PQI26-82R-LTC	82.0	73.0	8.0	18.0	20.5	9.2	8.0	11
PQI26-100-LTC	100.0	90.0	8.0	26.0	30.0	9.2	8.0	9.0
PQI26-130-LTC	130.0	115.0	7.5	35.0	41.0	9.0	7.5	8.0
PQI26-180-LTC	180.0	160.0	7.5	69.0	81.0	8.5	7.5	6.0
PQI26-220-LTC	220.0	198.0	5.0	58.0	63.0	6.0	5.0	6.8
PQI26-330-LTC	330.0	295.0	4.0	69.0	81.0	4.8	4.0	6.0
PQI26-470-LTC	470.0	420.0	3.5	105.0	120.0	3.6	3.5	4.5
PQI26-580-LTC	580.0	520.0	2.5	105.0	120.0	3.0	2.5	4.5
PQI26-650-LTC	650.0	580.0	2.2	105.0	120.0	2.6	2.2	4.5
PQI26-760-LTC	760.0	645.0	1.8	105.0	120.0	2.2	1.8	4.5
PQI26-900-LTC	900.0	810.0	1.6	105.0	120.0	1.9	1.6	4.5

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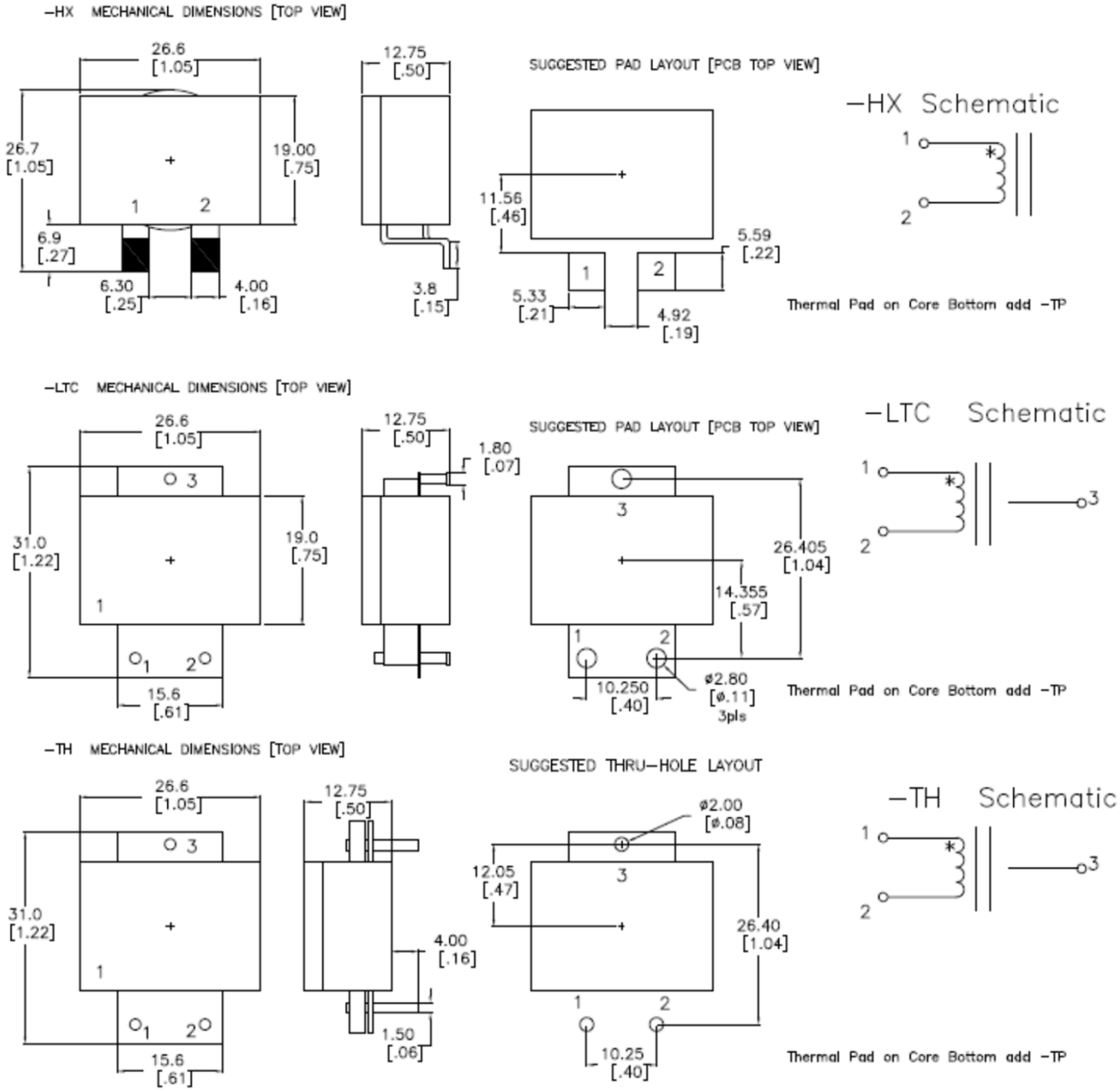

Mechanical Outline Drawing Pad Layout & Part Callout

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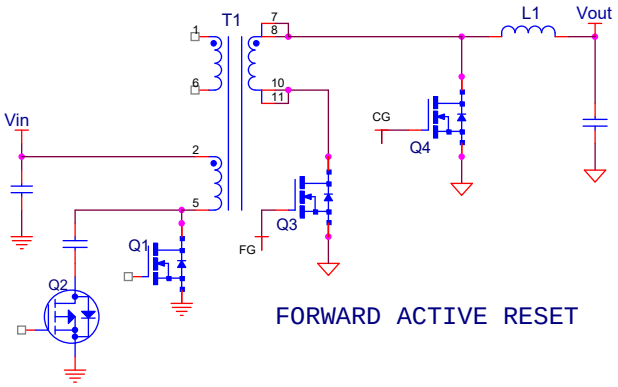

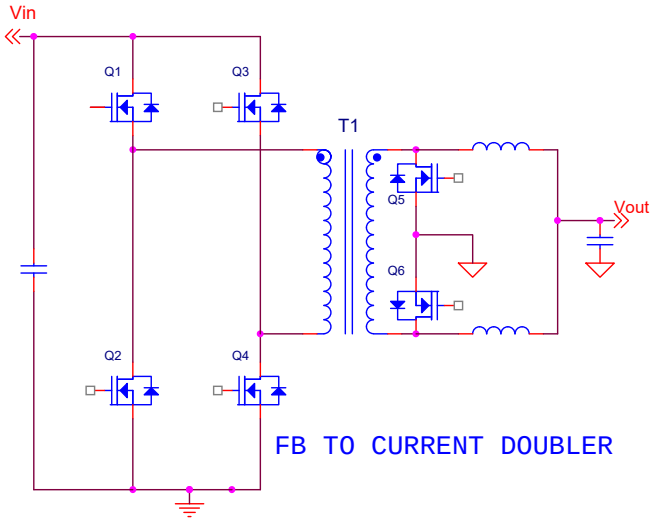

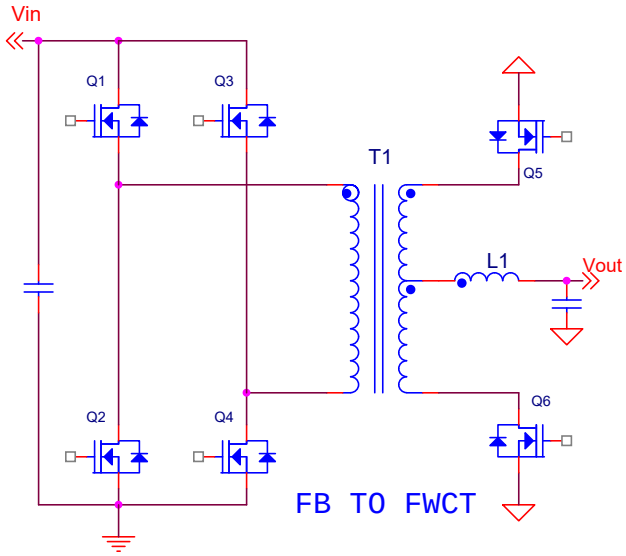

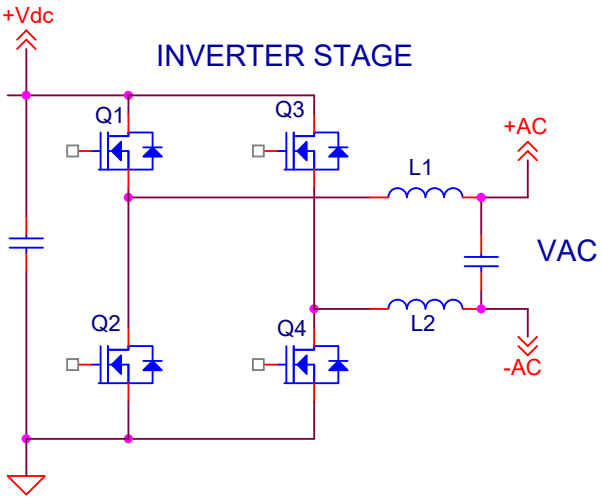

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