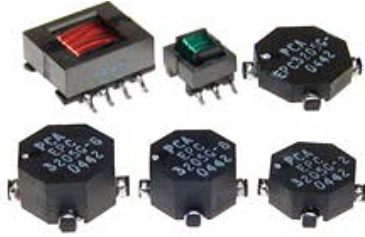


# Photoflash Flyback Transformer

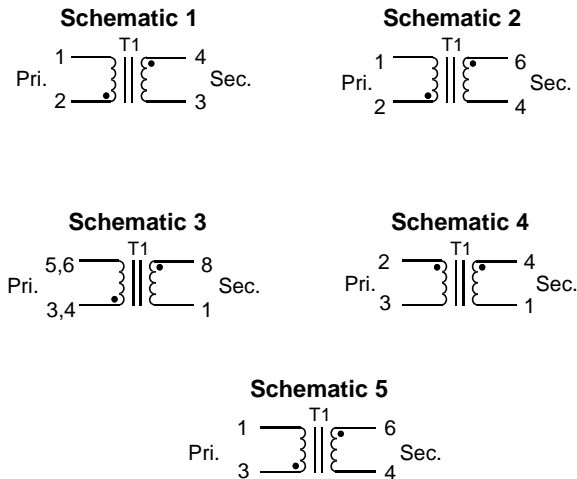
## EPC3205G-X & EPC3205G-X-LF



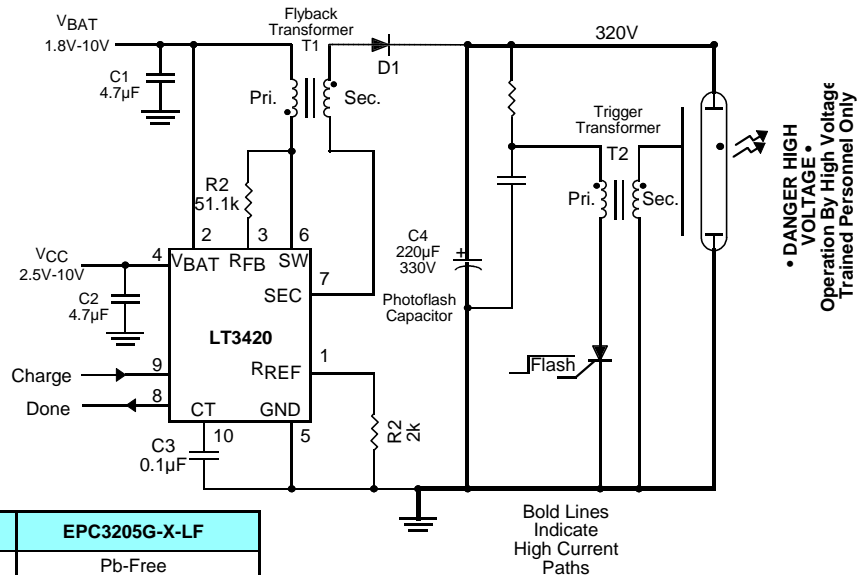
- Used as Flyback Transformer in High Voltage Photoflash Capacitor Charger
- Designed for use with Linear Technology Chip
- Add "-LF" after part number for Lead Free
- Operating Temperature : -40°C to +85°C
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Isolation : 500 Vrms

### Electrical Parameters @ 25°C

PCA Part Number	Chipset	Voltage (Vdc)		Primary Peak Current (A Max.)	Turns Ratio	Primary OCL @ 0Adc (μH ± 15%)	Leakage Inductance (μH Typ.)	DCR (Ω Max.)		Package/ Schematic
		V in	V out					Pri.	Sec.	
EPC3205G-1A(-LF)	LT3468	2.5-5.0	320	1.4	1:10.2	20.0	0.200	0.300	25	B/1
EPC3205G-2(-LF)	LT3468	2.5-5.0	320	1.4	1:10.2	12.3	0.130	0.230	21	A/1
	LT3468-2	2.5-5.0	320	1.0	1:10.2	12.3	0.130	0.230	21	A/1
EPC3205G-3(-LF)	LT3468	2.5-4.0	320	1.4	1:10.2	10.0	0.200	0.250	25	E/2
EPC3205G-4(-LF)	LT3468-2	2.5-5.0	320	1.0	1:10.2	10.0	0.300	0.300	37	E/2
EPC3205G-5(-LF)	LT3468-1	2.5-5.0	320	0.7	1:10.2	15.0	0.300	0.300	37	E/2
EPC3205G-6(-LF)	LT3420	1.8-5.0	320	1.4	1:12	20.0 (ref.)	0.130	0.160	18	B/1
EPC3205G-7(-LF)	LT3420	1.8-6.0	320	1.4	1:12	24.0	0.080	0.160	18	D/3
EPC3205G-8(-LF)	LT3420-1	1.8-5.0	320	1.0	1:10.2	15.0	0.100	0.160	18	C/1
EPC3205G-9(-LF)	LT3420	1.8-5.0	320	1.4	1:12	20.0 (ref.)	0.130	0.160	18	B/4
EPC3205G-10(-LF)	LT3750	5.0-7.0	400	3.6	1:10:4	4.7	0.150	0.090	13	E/5
EPC3205G-11(-LF)	LT3420	1.8-5.0	320	1.4	1:16	24.0	0.230	0.160	35	B/4



### LT3420 320V Photoflash Capacitor Charging Circuit



Notes :	EPC3205G-X	EPC3205G-X-LF
1. Assembly Process (Solder Composition)	SnPb	Pb-Free
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	1 (Unlimited, 30°C/60%RH)	1 (Unlimited, 30°C/60%RH)
4. Weight	TBD	TBD
5. Packaging Information (Tube)	52 pcs / tube	52 pcs / tube

Package Drawings Next Page

Documentor/Date

2<sup>nd</sup> By

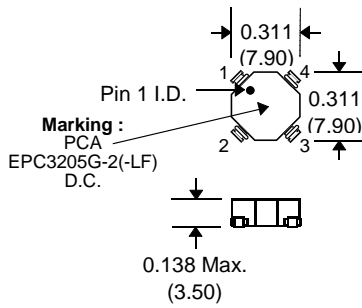
Project Engineer/Date

Engineering/Date

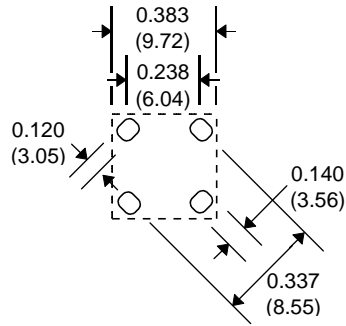
Quality Assurance/Date

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

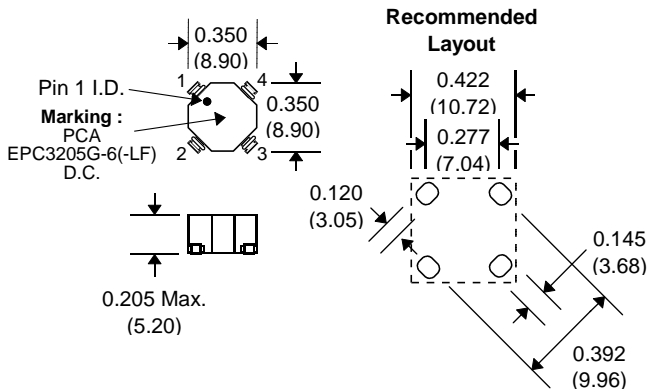
### Package A



### Recommended Layout

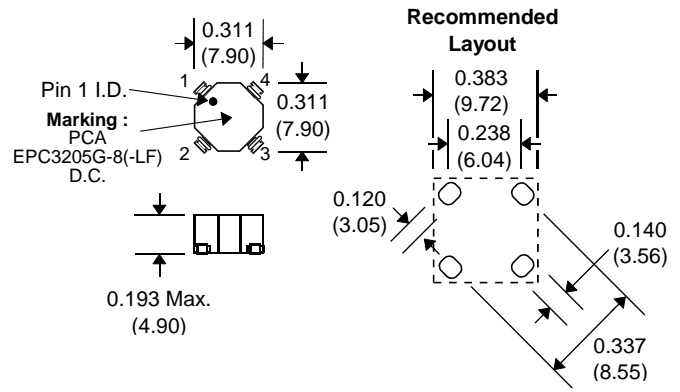


### Package B



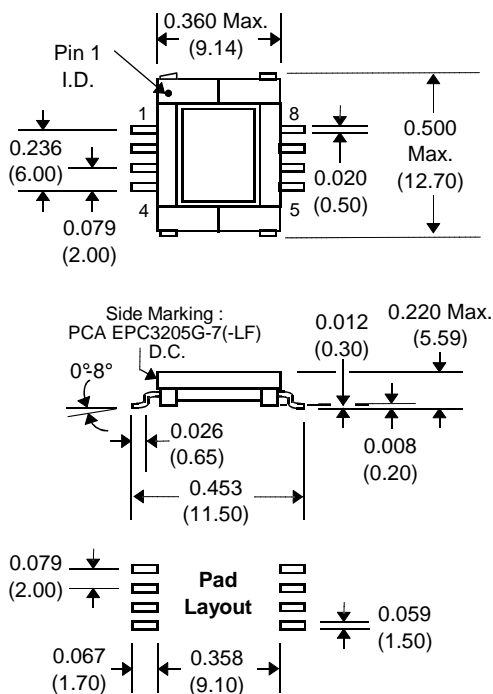
### Recommended Layout

### Package C

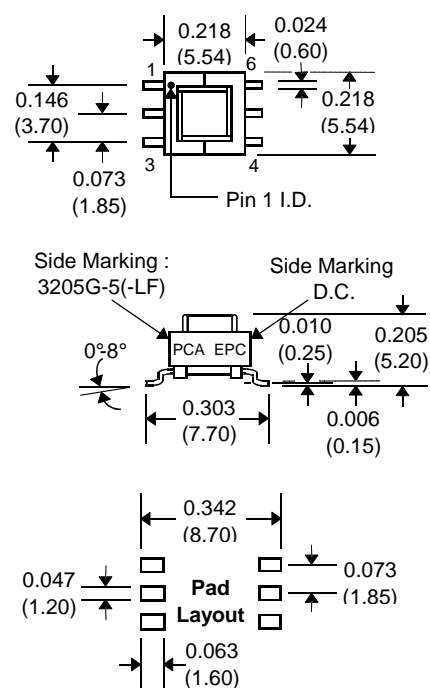


### Recommended Layout

### Package D



### Package E



Documentor/Date

2<sup>d</sup> By

Project Engineer/Date

Engineering/Date

Quality Assurance/Date

Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25