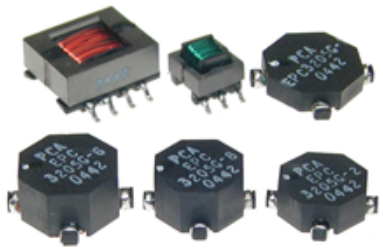
Photoflash Flyback Transformer

EPC3205G-X & EPC3205G-X-LF

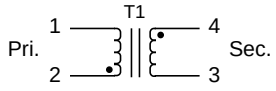


- Used as Flyback Transformer in High Voltage Photoflash Capacitor Charger
- Designed for use with Linear Technology Chip
- Add "-LF" after part number for Lead Free
- Operating Temperature : -40°C to +85°C
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Isolation : 500 Vrms

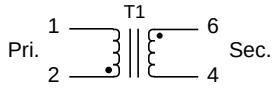
Electrical Parameters @ 25° C

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	@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	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	25.0	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	0.230	18	C/1

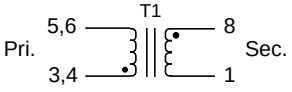
Schematic 1



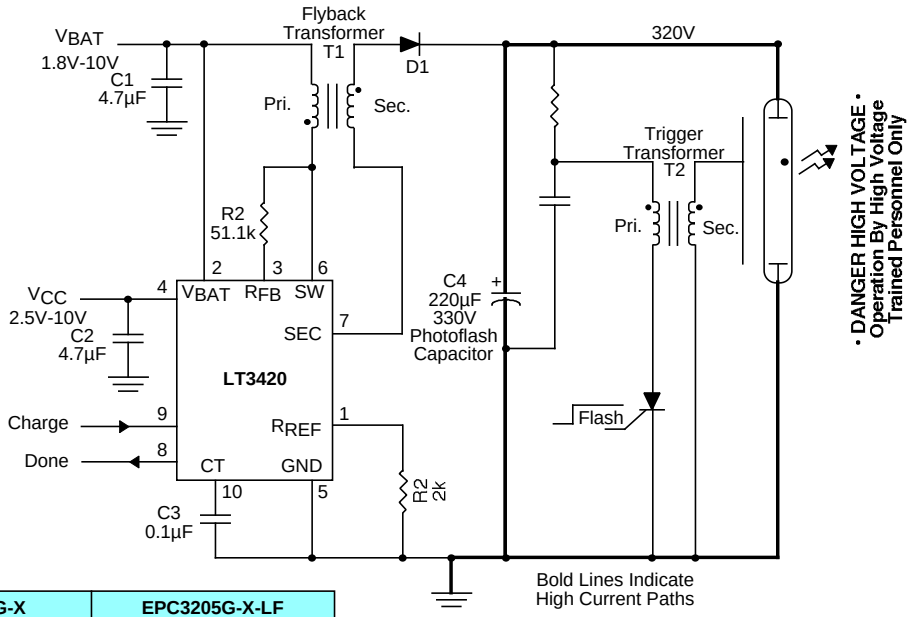
Schematic 2



Schematic 3



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 grams	TBD grams
5. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

Package Drawings Next Page

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

PCA ELECTRONICS, INC.
16799 SCHOENBORN ST.
NORTH HILLS, CA 91343

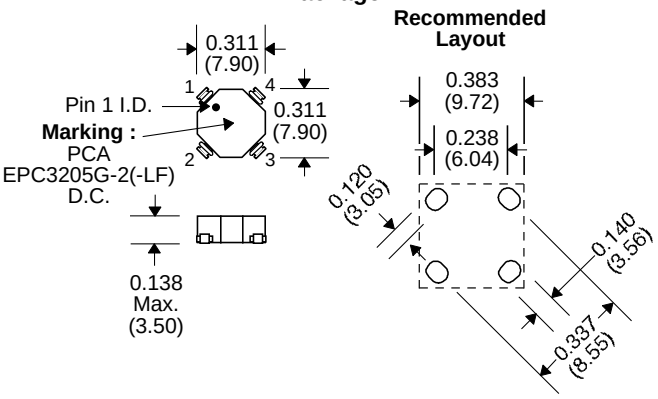
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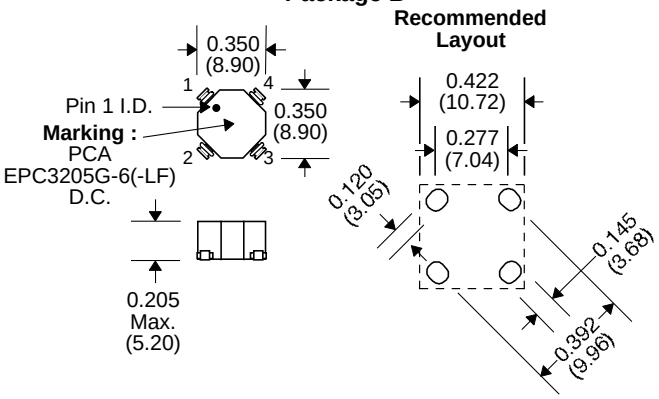
Photoflash Flyback Transformer

EPC3205G-X & EPC3205G-X-LF

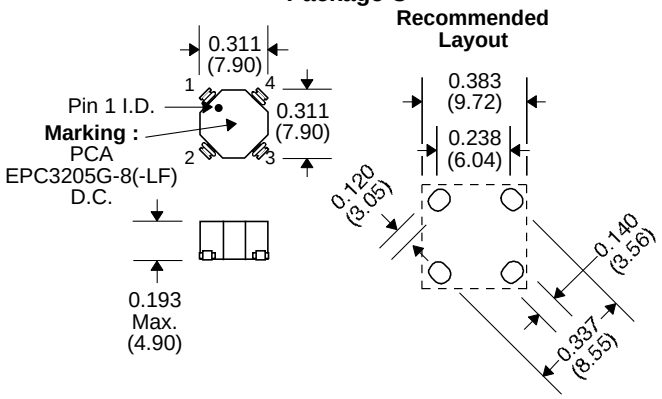
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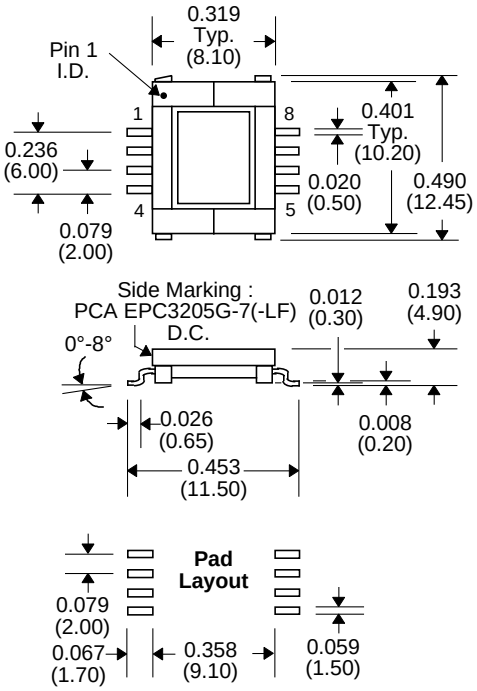
Package B



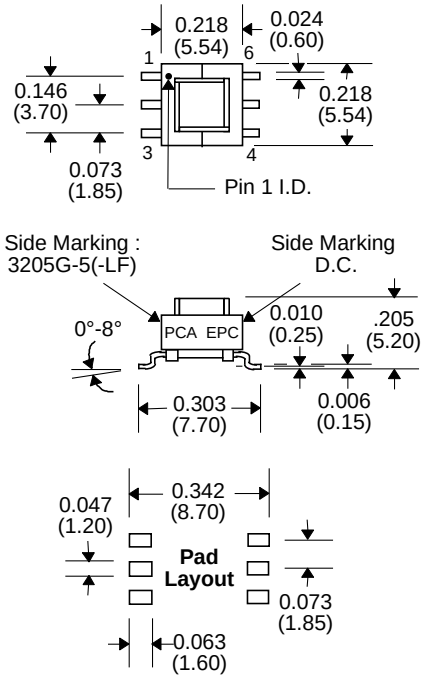
Package C



Package D



Package E



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