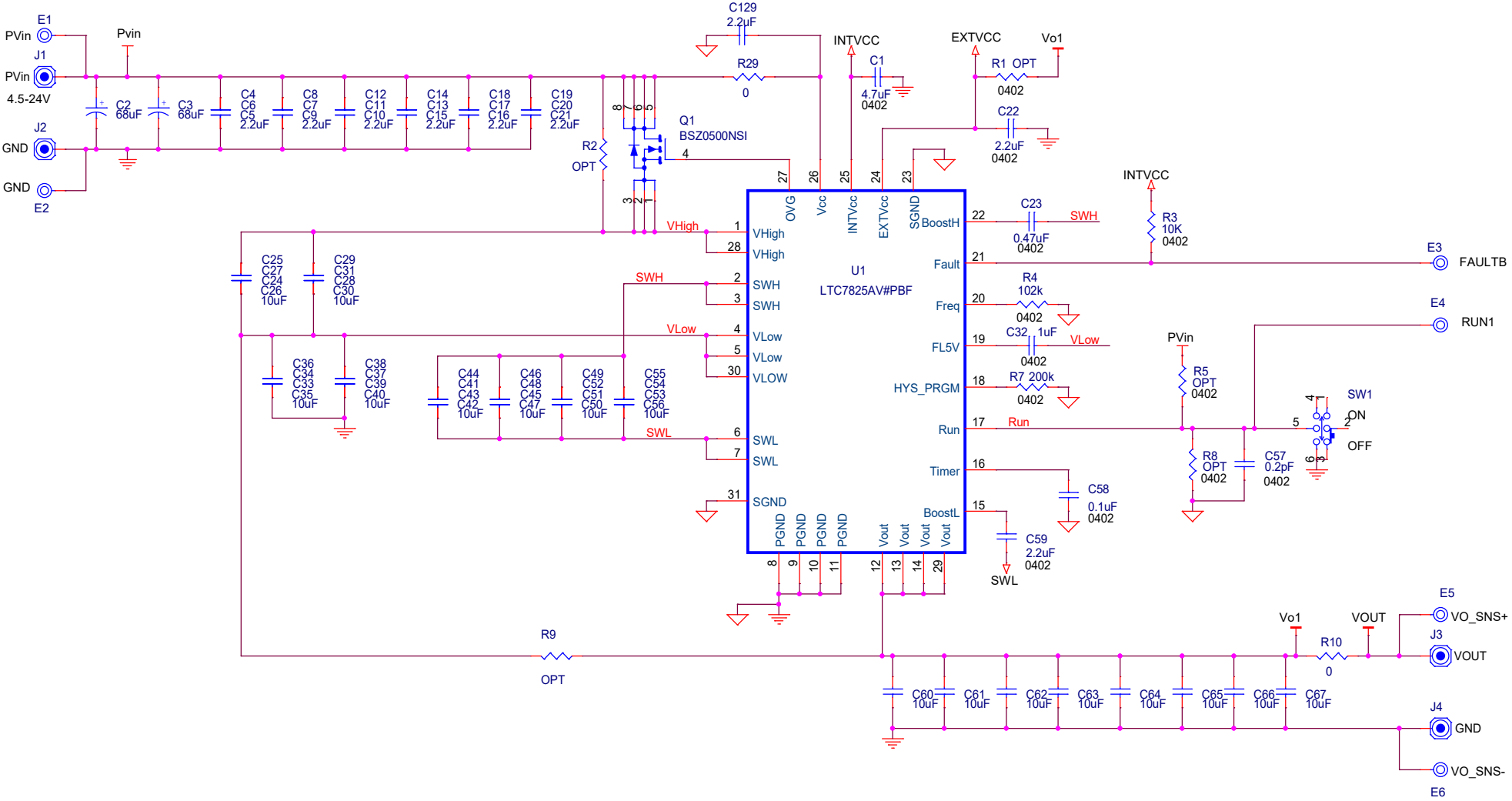


High Efficiency 2:1 Monolithic Switched Capacitor Divider

| REVISION HISTORY | | | | |
|------------------|-----|-------------|---------|----------|
| ECO | REV | DESCRIPTION | DATE | APPROVED |
| | 6 | PRODUCTION | 02/8/22 | Y C |



NOTE: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS AND CAPACITORS ARE 0603.

CUSTOMER NOTICE

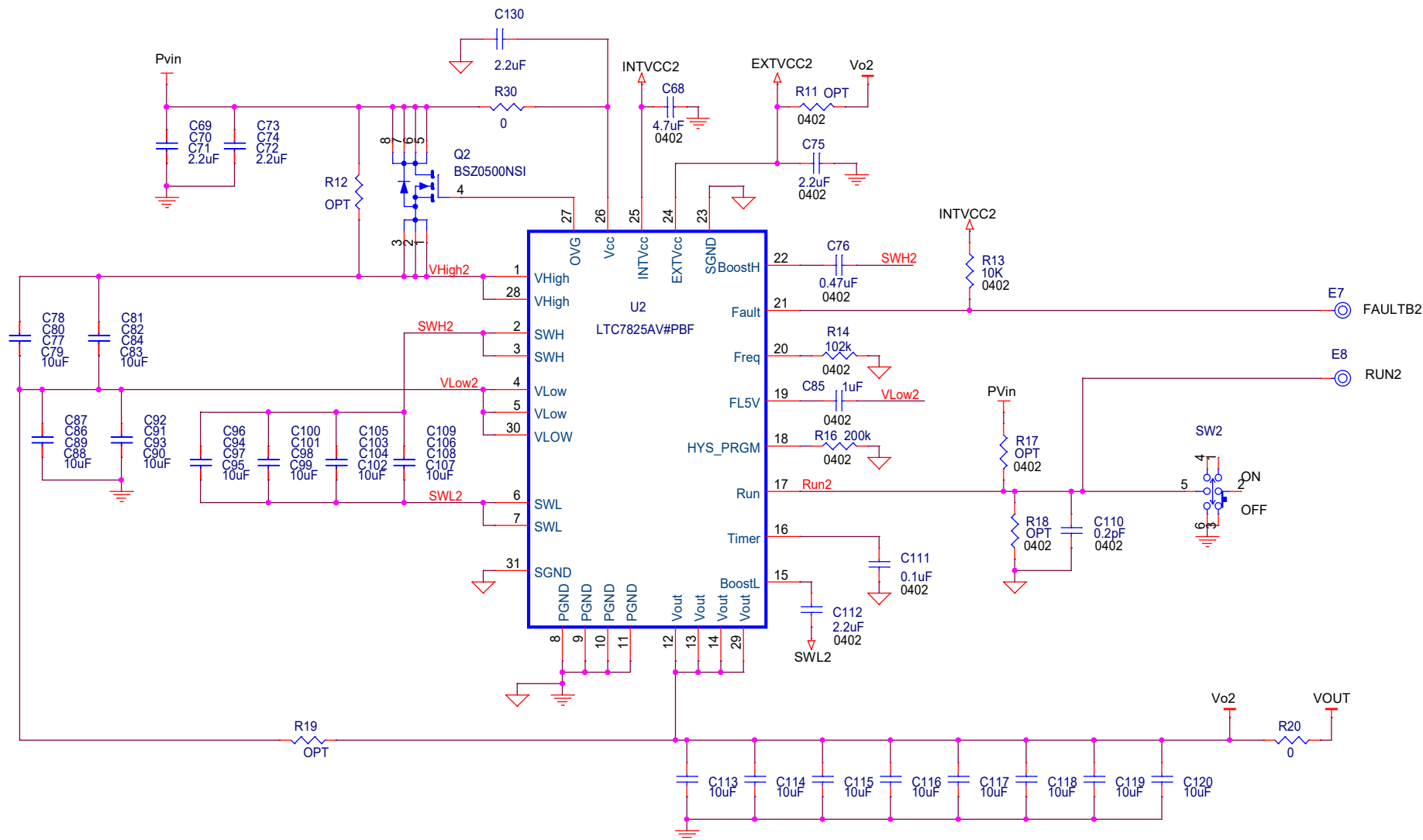
ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.

| APPROVALS | |
|-----------|----|
| PCB DES. | AN |
| APP ENG. | YC |
| | |
| | |
| | |
| | |

TITLE: SCHEMATIC HIGH EFFICIENCY, 2:1 MONOLITHIC SWITCHED CAPACITOR CONVERTER

| | |
|-------------------|---|
| IC NO. LTC7825AV | SCHEMATIC NO. AND REVISION: 710-DC2993A-B REV06 |
| SKU NO. DC2993A-B | |
| SIZE: N/A | DATE: Monday, August 08, 2022 |
| | SHEET 1 OF 3 |



CUSTOMER NOTICE

ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS.

APPROVALS

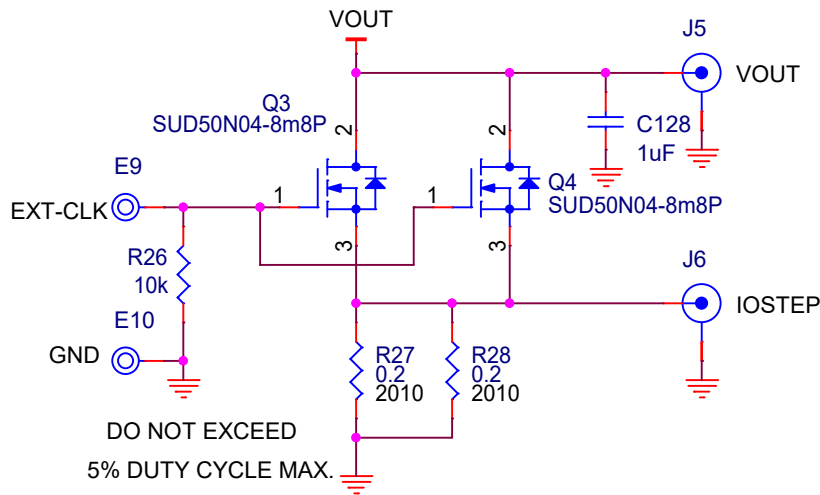
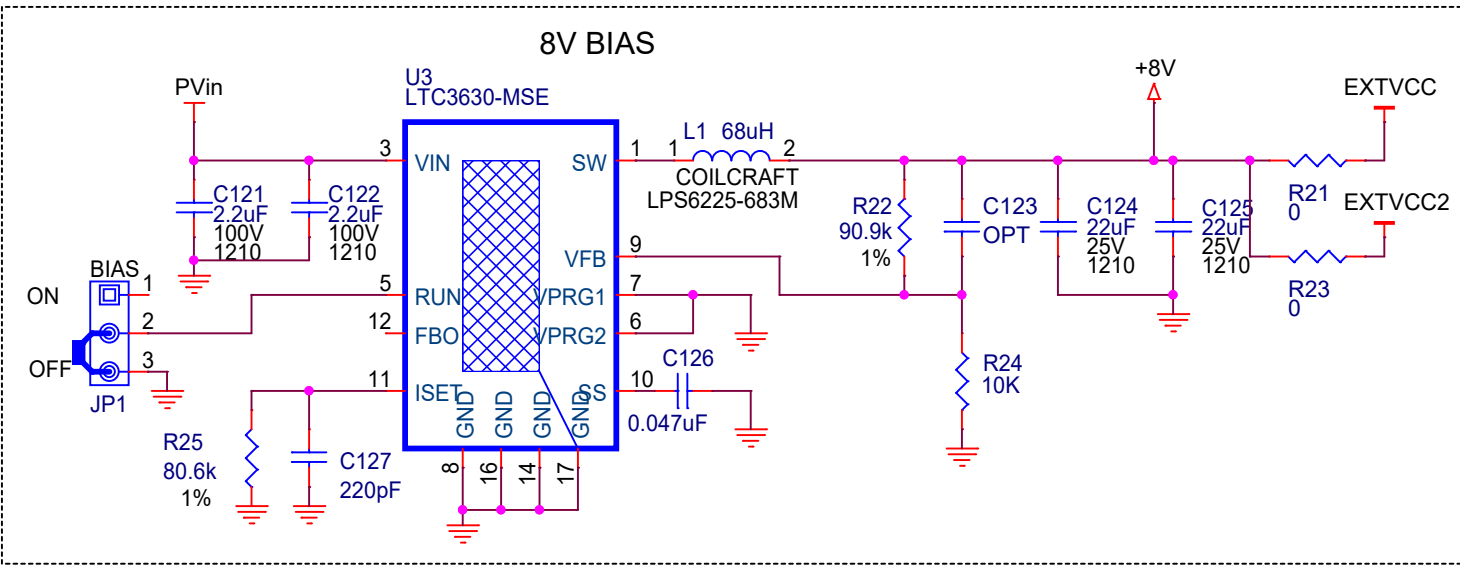
| | |
|----------|----|
| PCB DES. | AN |
| APP ENG. | YC |
| | |
| | |
| | |
| | |



TITLE: SCHEMATIC
HIGH EFFICIENCY, 2:1 MONOLITHIC
SWITCHED CAPACITOR CONVERTER

IC NO. LTC7825AV
SKU NO. DC2993A-B
SCHEMATIC NO. AND REVISION:
710-DC2993A-B REV06

SIZE: N/A DATE: Monday, August 08, 2022 SHEET 2 OF 3



| PCA ADDITIONAL PARTS | |
|----------------------|--------------------|
| PCB1 | PCB, DC2993A REV02 |
| MP1 | STANDOFF |
| MP2 | STANDOFF |
| MP3 | STANDOFF |
| MP4 | STANDOFF |

| CUSTOMER NOTICE | | APPROVALS | | ANALOG DEVICES | |
|--|--|-----------|----|---|--|
| ANALOG DEVICES HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT ANALOG DEVICES APPLICATIONS ENGINEERING FOR ASSISTANCE. | | PCB DES. | AN | TITLE: SCHEMATIC HIGH EFFICIENCY, 2:1 MONOLITHIC SWITCHED CAPACITOR CONVERTER | |
| | | APP ENG. | YC | | |
| | | | | | |
| | | | | | |
| THIS CIRCUIT IS PROPRIETARY TO ANALOG DEVICES AND SUPPLIED FOR USE WITH ANALOG DEVICES PARTS. | | | | IC NO. LTC7825AV SKU NO. DC2993A-B | SCHEMATIC NO. AND REVISION: 710-DC2993A-B REV06 |
| | | | | SIZE: N/A | DATE: Monday, August 08, 2022 |
| | | | | SHEET 3 OF 3 | |