



### NOTE: UNLESS OTHERWISE SPECIFIED

1. ALL CAPACITORS ARE IN MICROFARADS, 0603.
2. INSTALL SHUNTS AS SHOWN.
3. ASSEMBLY TABLE:

| ASSY. TYPE  | U1           | SUFFIX | -Bit |
|-------------|--------------|--------|------|
| DC2904A - A | LTC2686 - 18 | 18     | 18   |
| DC2904A - B | LTC2686 - 16 | 16     | 16   |
| DC2904A - C | LTC2686 - 12 | 12     | 12   |

### 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.

ADI CONFIDENTIAL - FOR CUSTOMER USE ONLY

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

### APPROVALS

|          |             |
|----------|-------------|
| PCB DES. | KIM T.      |
| APP ENG. | CLARENCE M. |
|          |             |
|          |             |
|          |             |

SCALE = NONE



2555 AUGUSTINE DRIVE  
SANTA CLARA, CA 95054

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TITLE: SCHEMATIC  
**8-CHANNEL, 18-/16-/12-BIT SPI  
VOUT DAC WITH 5ppm REFERENCE**

SIZE N/A IC NO. LTC2686CUJ - 18-/16-/12  
**DEMO CIRCUIT 2904A**

DATE: Friday, April 10, 2020

SHEET 1 OF 1