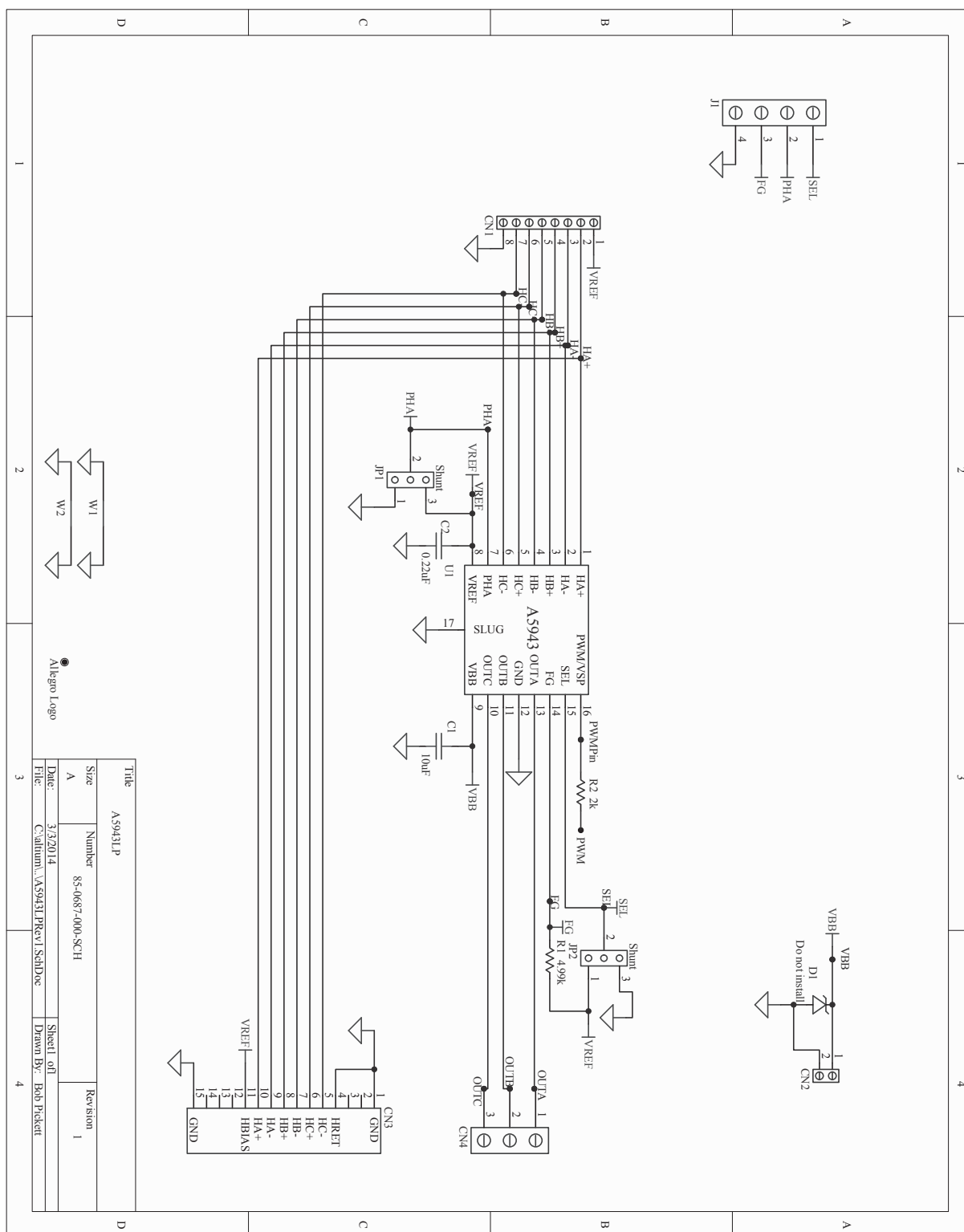
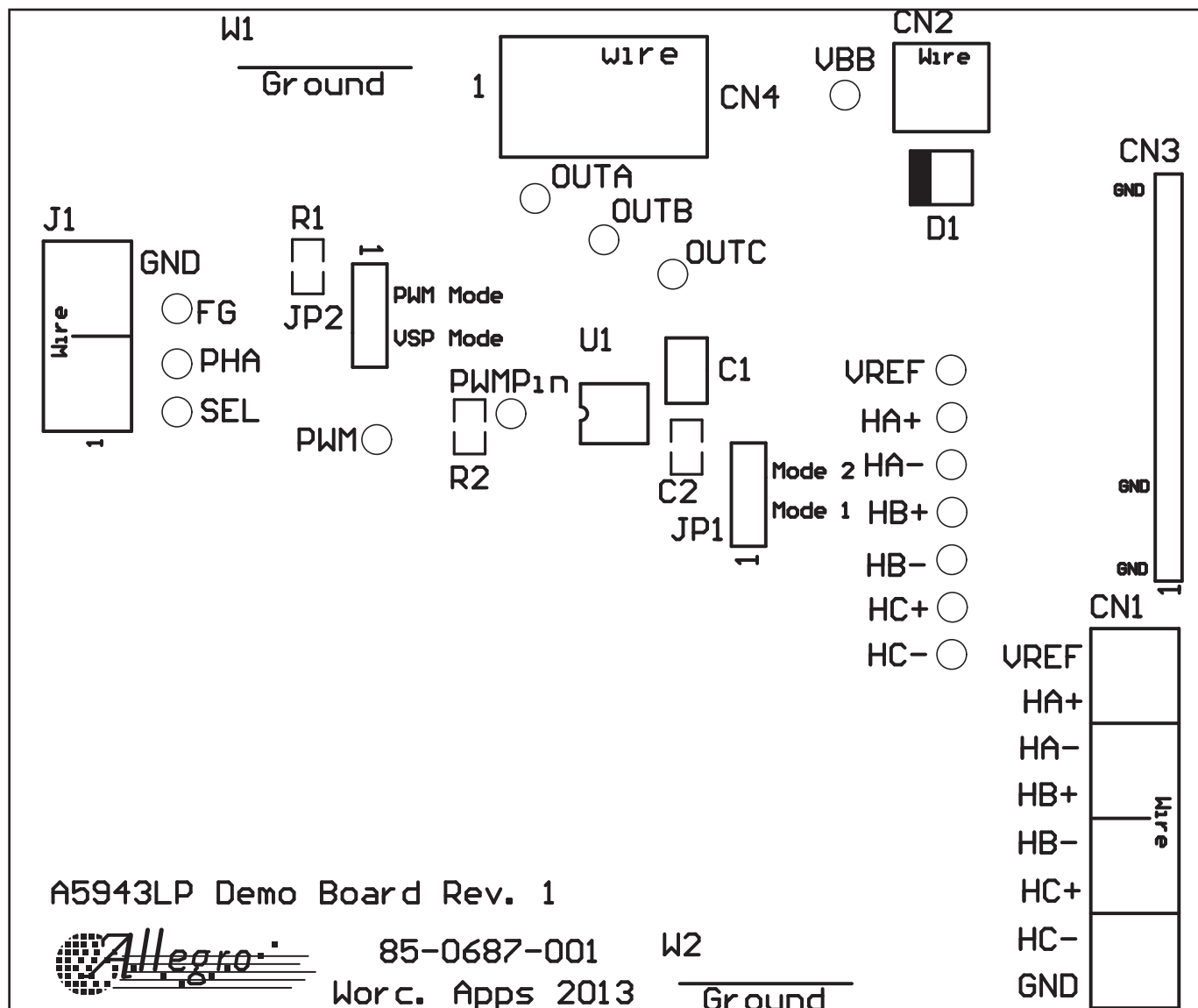


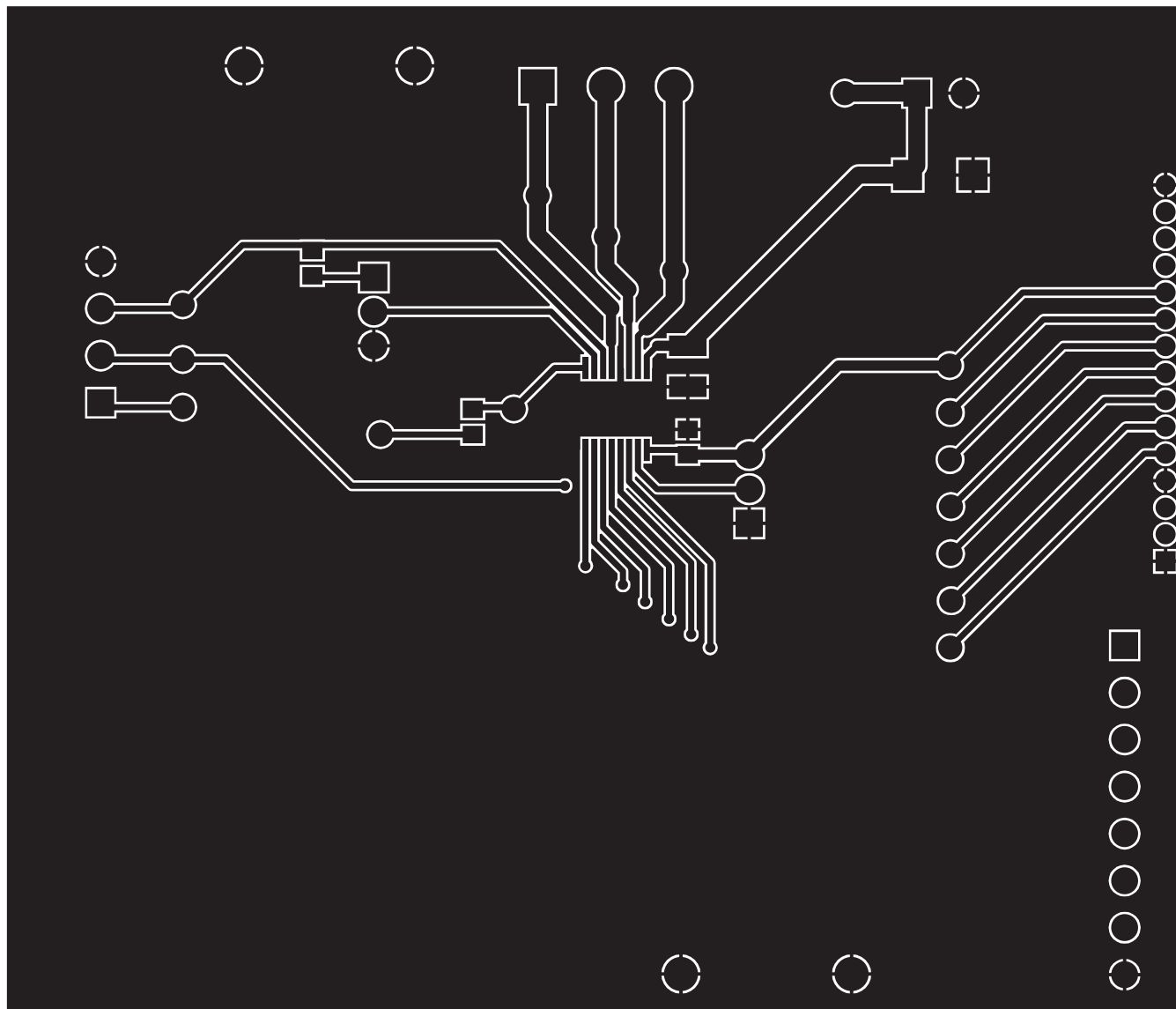
Demo Board Schematic/Layout

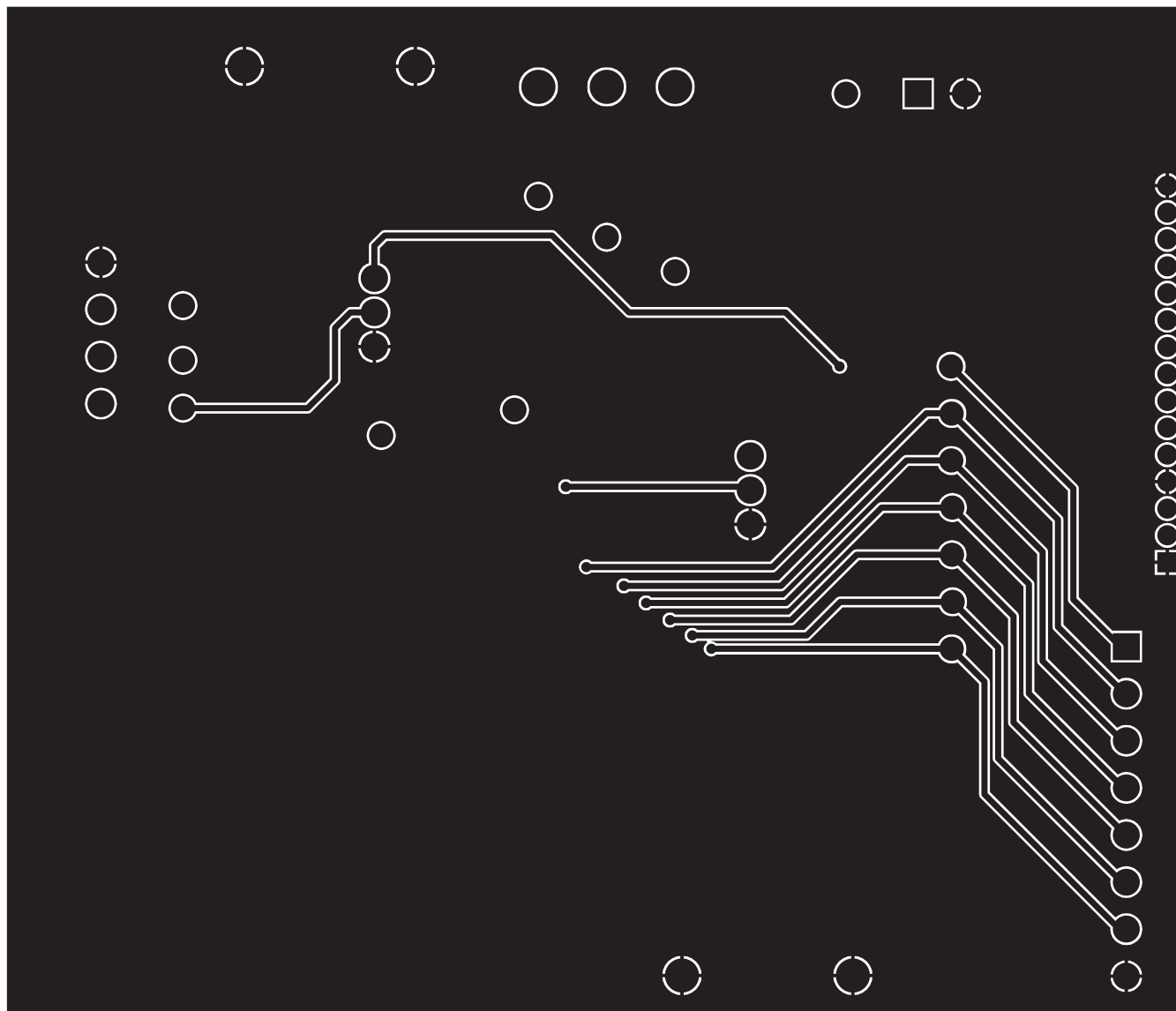
SCHEMATIC



LAYOUT



LAYOUT

LAYOUT

BILL OF MATERIALS

BOARD, DEMO, A5943LP

85-0687-000-BOM

Rev. 1

All Devices MUST be ROHS Compliant

Page 1 of 1

Bill of Materials

3/3/2014

Item	Quantity	Designator	value	Description	PartType	Footprint
1	1	C1	10uF	50V Capacitor	Taiyo Yuden UMK325BJ106KM-T; Digikey 587-2247-1-ND	1210
2	1	C2	0.22uF	16V Capacitor	TDK C2012X7R1C224K; Digikey 445-1355-1-ND	0805
3	7	CN1, CN2, J1		2-Pin 3.5mm spaced connector, 4-Pin Screw Down Terminal Block (Use 2 2-pin connectors), Use 4 2-Pin Connectors	On Shore ED555/2DS; Digikey ED1514-ND	2-Pin 3.5mm connector, 4-Pin 3.5mm Screw Down Connector, 8-Pin 3.5mm Connector
4	1	CN3		15-pin 2mm Spaced Single Row Header	Sullins NRPN151PAEN-RC; Digikey S5800-15-ND	NRPN151PAEN-RC
5	1	CN4			On Shore ED120/3DS; Digikey ED1610-ND	3-pin screw down connector
6	1	D1		TVS Zener	Do not install	DO-214AA
7	16	FG, HA+, HA-, HB+, HB-, HC+, HC-, OUTA, OUTB, OUTC, PHA, PWM, PWMPin, SEL, VBB, VREF		Mini Test Point	Keystone 5000; Digikey 5000K-ND	Mini Test Point
8	4			Bumpon Foot	3M SJ-5303 (CLEAR); Digikey SJ5303-7-ND	Bumpon Foot
9	6 Pins	JP1, JP2		Cut pins from 50-pin strip	Samtec TSW-150-07-T-S; Digikey SAM1035-50-ND	3-pos. shunt
10				pcb	85-0687-001 Rev. 1	
11	1	R1	4.99k	1/8W Resistor	Panasonic ERJ-6ENF4991V; Digikey P4.99KCCT-ND	0805
12	1	R2	2k	1/8W Resistor	Panasonic ERJ-6GEYJ202V; Digikey P2.0KACT-ND	0805
13	2	shunts for JP1 and JP2			3M 969102-0000-DA; Digikey 3M9580-ND	
14	1	U1		3-Phase Fan Driver	A5943xLP-T	16-pin_LP
15	2	W1, W2		22 Gauge Buss Wire (300mils above pcb)		Scope Ground

Revision History

Number	Date	Description
–	August 23, 2016	Initial release

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