Comment	Description	Designator	Footprint	LibRef	Quantity	Received	Notes
2.2uF 180V	KEMET PHE450 Metallised Polypropylene Film Capacitor, 180 V ac, 250 V dc, ±5%, 2.2μF, Through Hole	C1 1, C1 2, C1 3, C3 1, C3 2, C3 3	Film Capacitor PHE450H			TRUE	
							CS45-B2GA101K-VKA Ceramic
							Suppression Capacitor, 100
							pF, ± 10%, X1 / Y2, 440 V, 300
Earth Capacitor	Y Earth Capacitor	C2	RAD-0.3	102 Y		L TRUE	V, Radial Leaded, £0.15
Lartii Capacitoi	Latti Capacitor	CE	1040 0.5	102_1		INOL	v, Nadiai Ecadea, 10.15
							Suggest changing to 1nF for
2.2uF_0805	SMD Multilayer Ceramic Capacitor, 2.2 µF, 50 V, 0805 [2012 Metric], ± 10%, X5R, C	C4, C5, C6, C7	0805 Capacitor	C2012X5R1H225K125		1 TRUE	better high freq performance
2.201_0005	SWD Walting Ver Certainte Capacitor, 2.2 μr, 30 V, 0005 (2012 Weeting), 2 10%, λ5%, C	C8, C10, C12, C14, C16, C18, C20, C22, C24 1, C24 2,	0003 capacitor	CZOTZXSKITIZZSKIZS	1	TINOL	better mgm med performance
100nF 0805	SMD Multilayer Ceramic Capacitor, 0.1 μF, 50 V, 0805 [2012 Metric], ± 5%, X7R, C Series KEMET	C24 3, C26 1, C26 2, C26 3, C28 1, C28 2, C28 3,	0805 Capacitor	C0805C104J5RACTU	2	TRUE	
100111 _00005	Sind Malatayer ceramic capacitor, 0.1 µr, 50 v, 0005 (2012 Metho), 2 5/6, X/N, C Series KEMET	C9, C11, C13, C15, C17, C19, C21, C23, C25_1, C25_2, C25_2	ooos capacitoi	C0003C10433NAC10		INOL	+
4.7uF_1206	SMD Multilayer Ceramic Capacitor, 4.7 μF, 50 V, 1206 [3216 Metric], ± 10%, X7R, C	C25 3, C27 1, C27 2, C27 3, C29 1, C29 2, C29 3,	1206 Capacitor	C3216X7R1H475K160	2	TRUE	
ADC	50-Pin Simplus Connector	11	SHF-125-01-L-D-RA	SHF-125-01-L-D-RA		L TRUE	
EPWM	50-Pin Simplus Connector	12	SHF-125-01-L-D-RA	SHF-125-01-L-D-RA		L TRUE	
ADC1	SSQ - Samtec 2.54mm Square Tail Dual Row Socket Strip 8.5mm Profile - Fast Stock	J3	SSQ-110-03-T-D	SSQ-110-03-T-D		L TRUE	+
EPWM1	SSQ - Samtec 2.54mm Square Tail Dual Row Socket Strip 8.5mm Profile - Fast Stock	14	SSQ-110-03-T-D	SSQ-110-03-T-D		L TRUE	+
M5 Mounting Hole	33Q Samee 2:34mm Square fair buar now 30cket strip 6:3mm Frome Frast Stock	J5, J10, J13, J14, J15, J16, J17, J19, J20	M5 Mounting Hole	M5 Mounting Hole		TRUE	+
LCL1_Out	3 Position Terminal Block 5.08mm	J6	3 Pin Terminal	3PinTerminal		L TRUE	
LCL1 In	3 Position Terminal Block 5.08mm	17	3 Pin Terminal	3PinTerminal		L TRUE	1
LCL2_Out	3 Position Terminal Block 5.08mm	J8	3 Pin Terminal	3PinTerminal		L TRUE	
LCL2_In	3 Position Terminal Block 5.08mm	19	3 Pin Terminal	3PinTerminal		L TRUE	
ADC2	SSQ - Samtec 2.54mm Square Tail Dual Row Socket Strip 8.5mm Profile - Fast Stock	J11	SSQ-110-03-T-D	SSQ-110-03-T-D		L TRUE	
EPWM2	SSQ - Samtec 2.54mm Square Tail Dual Row Socket Strip 8.5mm Profile - Fast Stock	J12	SSQ-110-03-T-D	SSQ-110-03-T-D		L TRUE	
M5 Earthing Hole	SSQ - Samtec 2.54mm Square Tail Dual Row Socket Strip 8.5mm Profile - Fast Stock	J18	M5 Earthing Hole	M5 Earthing Hole		L TRUE	
30mH CM	30mH Custom CM Choke	L1, L2	CM Choke Custom			TRUE	Custom
4mH	Softin Custoffi Civi Crioke	L3 1, L3 2, L3 3, L5 1, L5 2, L5 3		30mH Custom CM Ch			
380uH			4mH Custom	4mH Custom Inductor		TRUE TRUE	Custom
10k 2512	CAAD Chia Davistar 10 habas 1 10/ 2 M/ 2512 [CA22 Mastrial Thial Film High Davisa	L4_1, L4_2, L4_3, L6_1, L6_2, L6_3 R1 1, R1 2, R1 3, R3 1, R3 2, R3 3	380uH Custom 2512 Resistor	380uH Custom Induct MCHP122WF1002T4E		TRUE	Custom
10K_2512	SMD Chip Resistor, 10 kohm, ± 1%, 2 W, 2512 [6432 Metric], Thick Film, High Power	N1_1, N1_2, N1_3, N3_1, N3_2, N3_3	2512 Resistor	WICHP122WF100214E		IKUE	
							Updated to
							CRCW1206348RFKEA. SMD
							Chip Resistor, 348 ohm, ± 1%,
							250 mW, 1206 [3216 Metric],
							Thick Film, General Purpose,
130 1206	SMD Chip Resistor, 130 ohm, ± 1%, 250 mW, 1206 [3216 Metric], Thick Film, General Purpose	R2 1, R2 2, R2 3, R4 1, R4 2, R4 3	1206 Resistor	CRCW1206130RFKEA		TRUE	£0.05
20k 0805	SMD Chip Resistor, 20 kohm, ± 1%, 125 mW, 1206 [2012 Metric], Thick Film, General Purpose	R5, R7, R11, R13	0805 Resistor	CRCW080520K0FKEA	<u>'</u>	TRUE	Bias Resistor
20K_0803	SIMD Chip Resistor, 20 Rollin, ± 1%, 123 HW, 0803 [2012 Metric], Thick Fillin, General Purpose	R6, R10, R12, R16, R33 1, R33 2, R33 3, R36 1,	0003 Kesistoi	CRCWU6U3ZUKUFKEA		+ INUE	Suggest 27 kOhm. Gain 9. Big
		R36_2, R36_3, R37_1, R37_2, R37_3, R40_1, R40_2,					resistors have high freq
200k_0805	SMD Chip Resistor, 200 kohm, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose	R40 3	OOOE Posistor	CRCW0805200KFKEA	1	_	leakage inductance.
10k 0805	SMD Chip Resistor, 200 komin, ± 1%, 125 mW, 0805 [2012 Metric], Thick Film, General Purpose	R8, R9, R14, R15, R34 1, R34 2, R34 3, R35 1,	0805 Resistor 0805 Resistor	CRCW0805200KFKEA	1 1		Suggest 3k Ohm
13	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP1, TP15	PCB 1.32mm TestPoint	PCBTestpoint	1		Suggest Sk Ollill
11		TP2, TP13	PCB 1.32mm TestPoint	· · · · · · · · · · · · · · · · · · ·			
12	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts 20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP3, TP14	PCB 1.32mm TestPoint	PCBTestpoint PCBTestpoint		2 TRUE	
VDC	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP4, TP16	PCB 1.32mm TestPoint	PCBTestpoint PCBTestpoint	<del>                                     </del>	2 TRUE	1
VC_2A		TP6	PCB 1.32mm TestPoint	· ·	<del>                                     </del>	TRUE	+
VC_2A VC_2B	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP7	PCB 1.32mm TestPoint	PCBTestpoint PCBTestpoint	-	L TRUE	+
VC_2B VC_2C	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts 20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP8	PCB 1.32mm TestPoint	PCBTestpoint	<u> </u>	L TRUE	+
VC_2C VC_1A		TP9		· · · · · · · · · · · · · · · · · · ·		L TRUE	+
VC_1A VC_1B	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP10	PCB 1.32mm TestPoint PCB 1.32mm TestPoint			L TRUE	+
VC_1B VC_1C	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP11	PCB 1.32mm TestPoint	PCBTestpoint	-	L TRUE	+
	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP17		PCBTestpoint	-		+
OT1	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts		PCB 1.32mm TestPoint	PCBTestpoint		TRUE	+
PWMEN1	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP18	PCB 1.32mm TestPoint	PCBTestpoint		L TRUE	+
OT2	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP19	PCB 1.32mm TestPoint	PCBTestpoint		TRUE	+
PWMEN2	20-313143 PCB Test Point, White, Through Hole Mount, 1.32 mm, Phosphor Bronze, Tin Plated Contacts	TP20	PCB 1.32mm TestPoint	PCBTestpoint		TRUE	+
AGND	H2182-01 PCB Test Point, PCB Mount, 1.9 mm, Brass, Tin Plated Contacts	TP35	1.9mm Hole	GroundTestPoint		L TRUE	1
LV25P	Undefined or Miscellaneous	U1_1, U1_2, U1_3, U2_1, U2_2, U2_3	LV-25-P	LV25P		5 TD115	In Lab
4ch Op Amp	Quad, 30-V, 3-MHz, high slew rate (13-V/μs), In to V+, JFET-input op amp	U3, U4, U5, U6	SOIC-14	TL074D		1 TRUE	