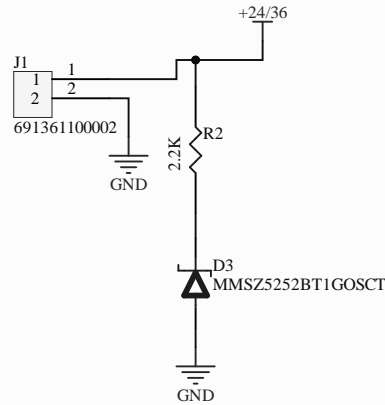
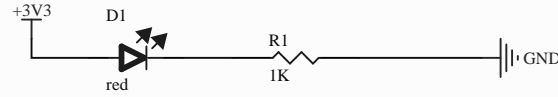


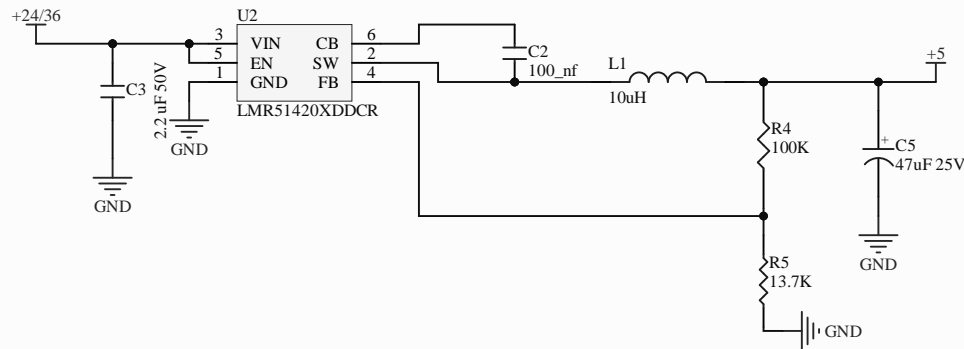
POWER SUPPLY PORT



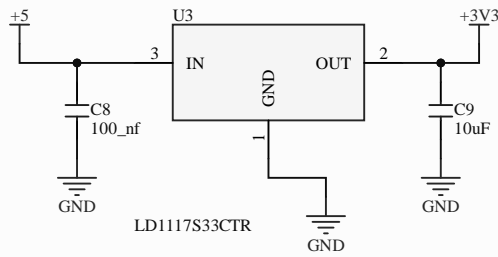
LED



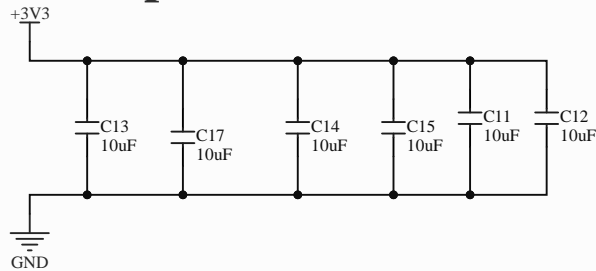
5 V SUPPLY



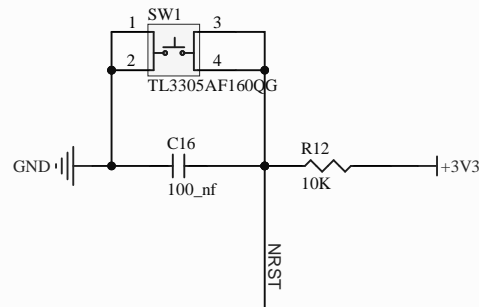
3V3 REGULATOR



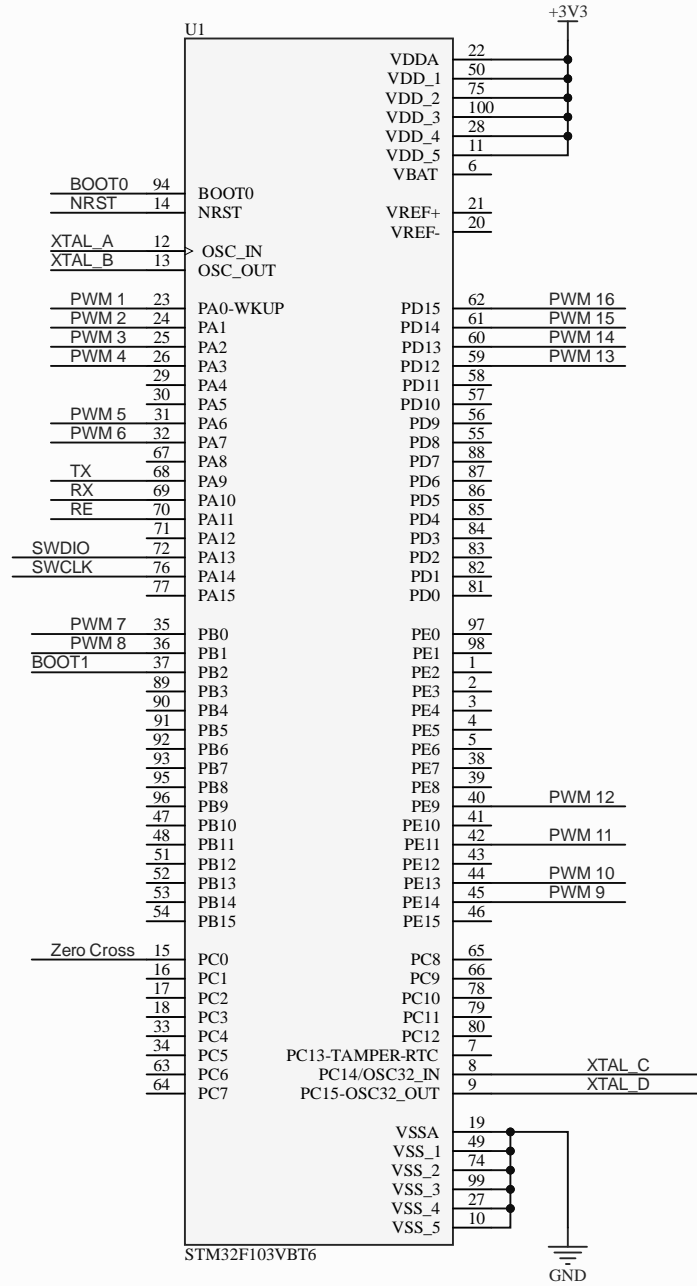
Capacitors



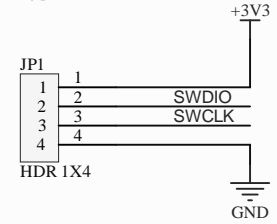
RESET



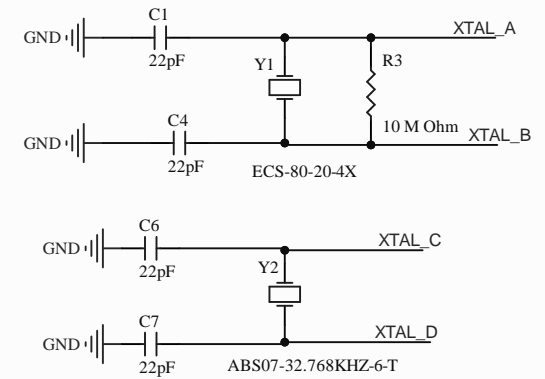
MCU



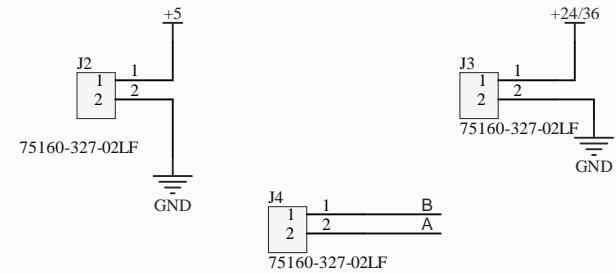
SWD



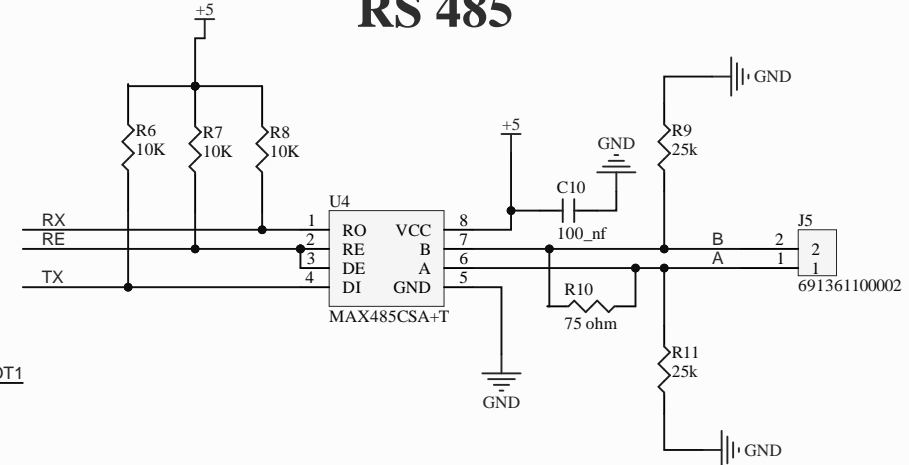
Crystals



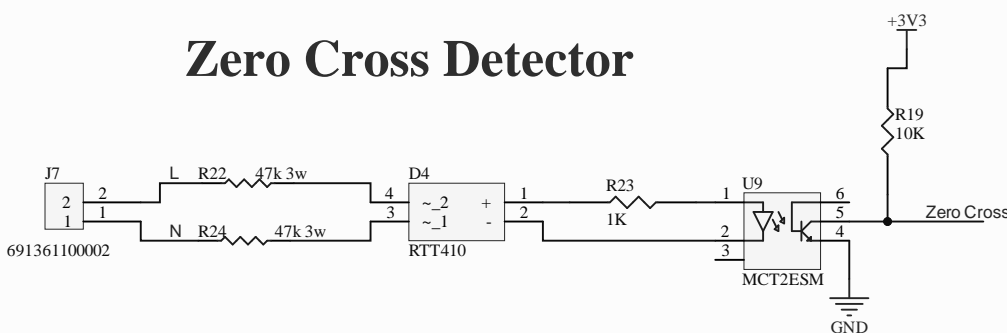
HEADERS



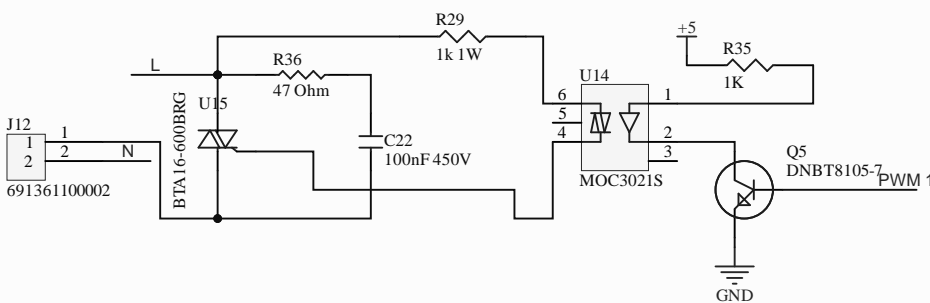
RS 485



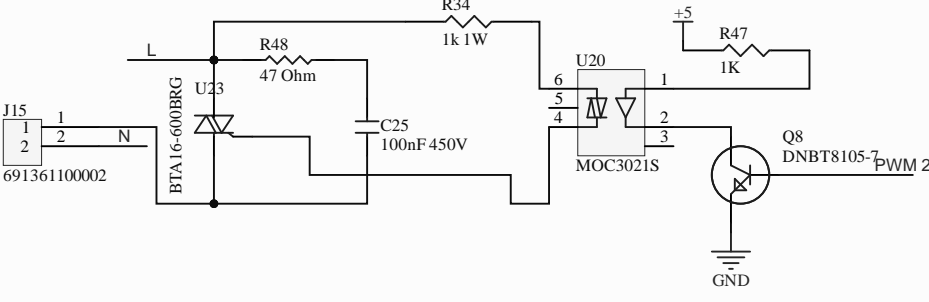
Zero Cross Detector



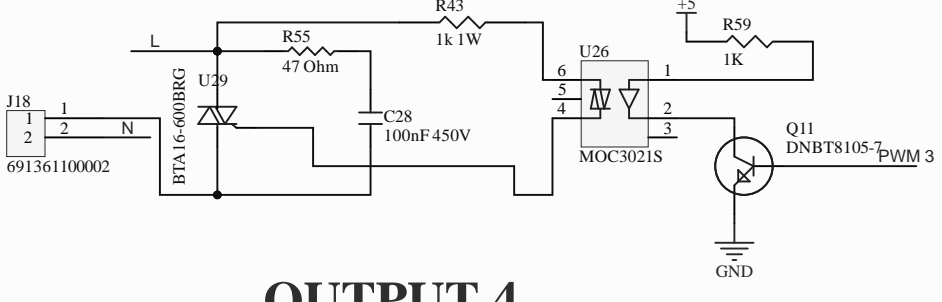
OUTPUT 1



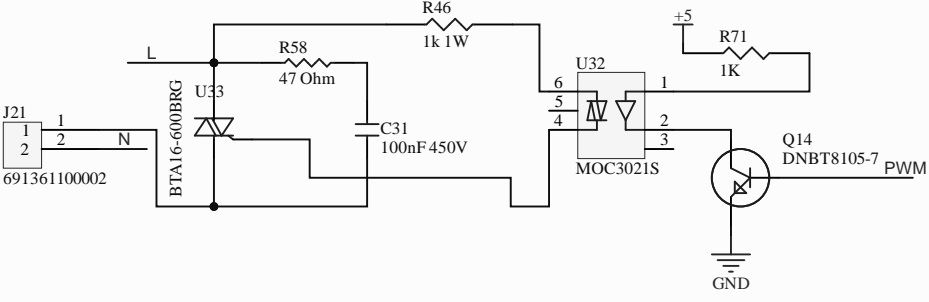
OUTPUT 2



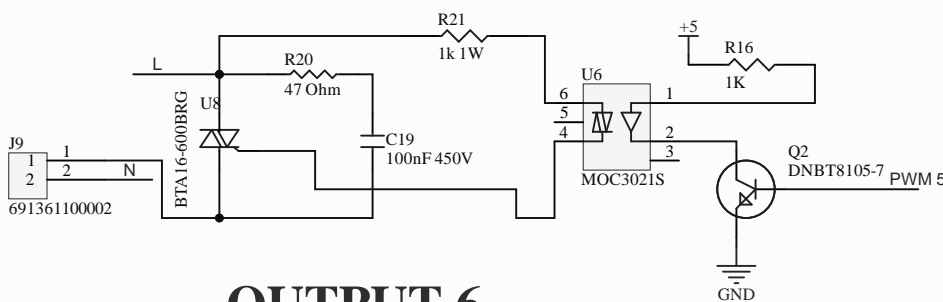
OUTPUT 3



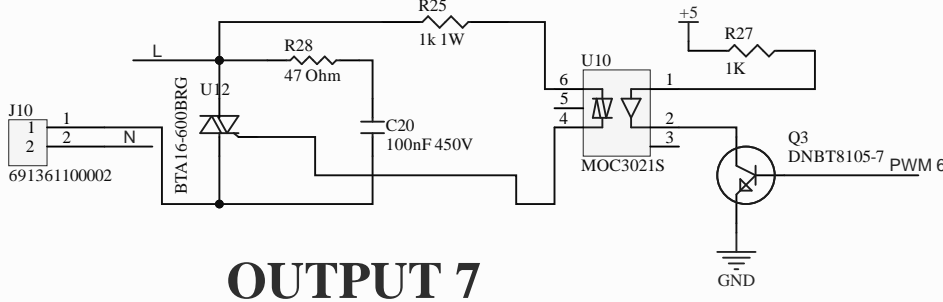
OUTPUT 4



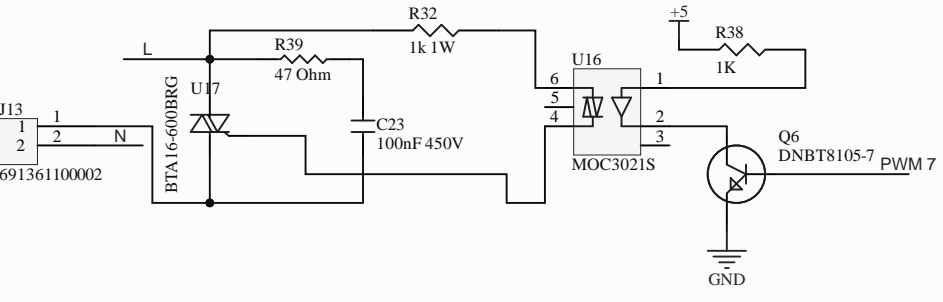
OUTPUT 5



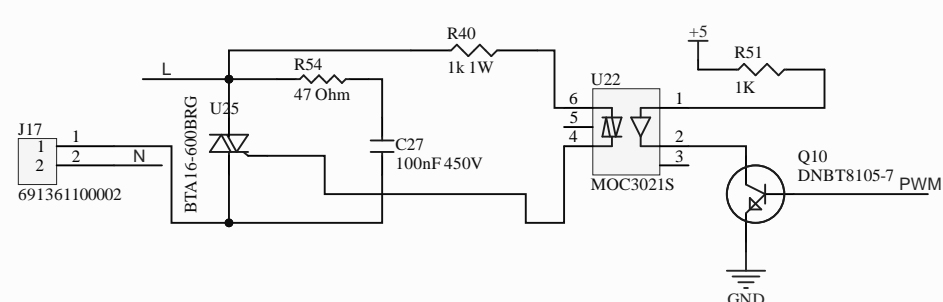
OUTPUT 6



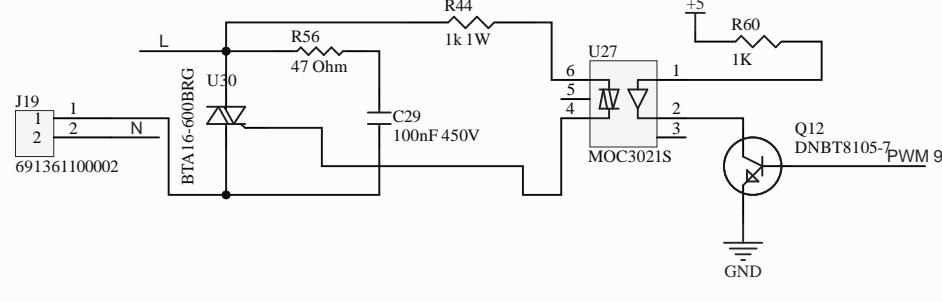
OUTPUT 7



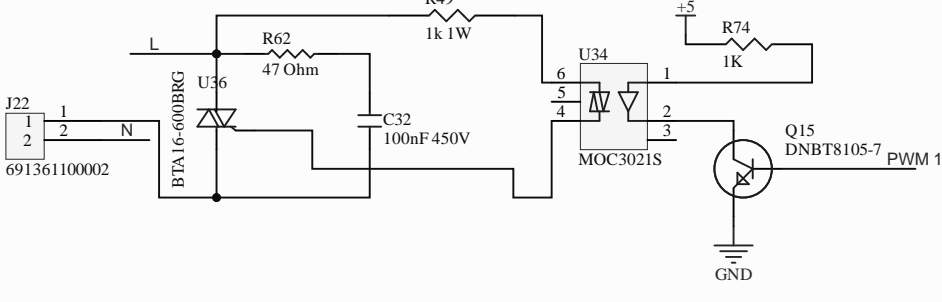
OUTPUT 8



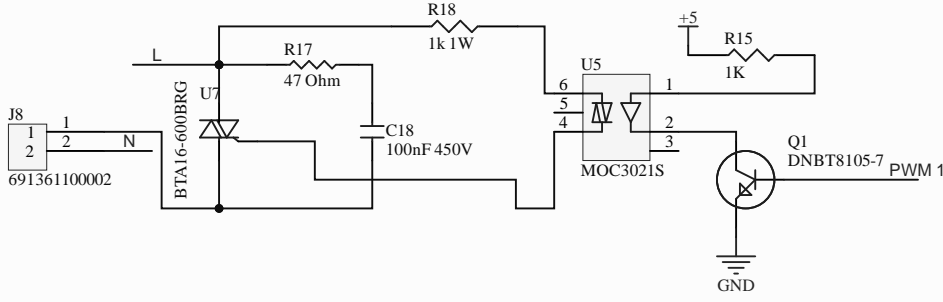
OUTPUT 9



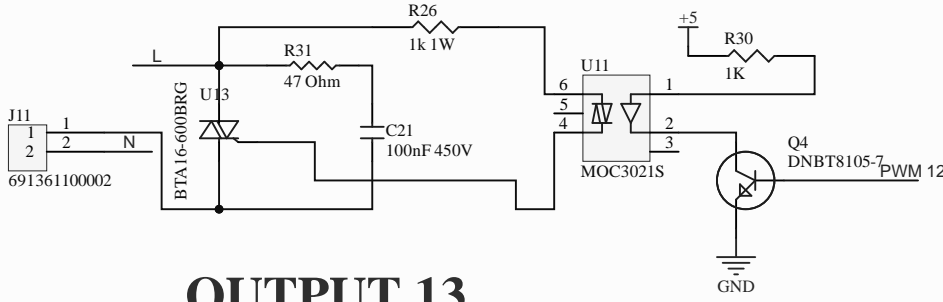
OUTPUT 10



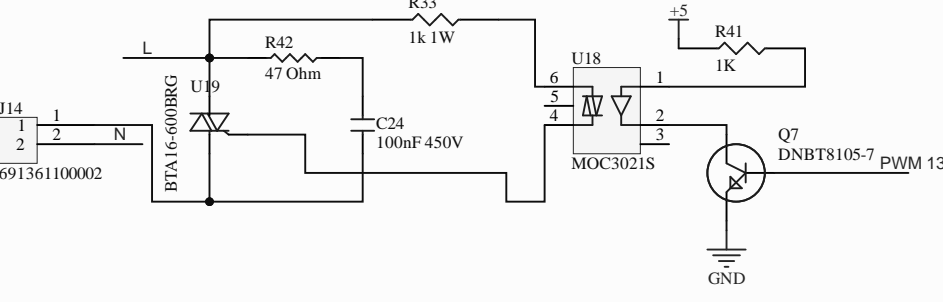
OUTPUT 11



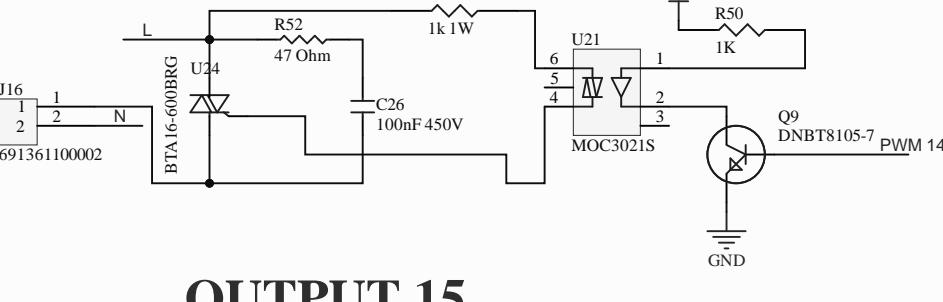
OUTPUT 12



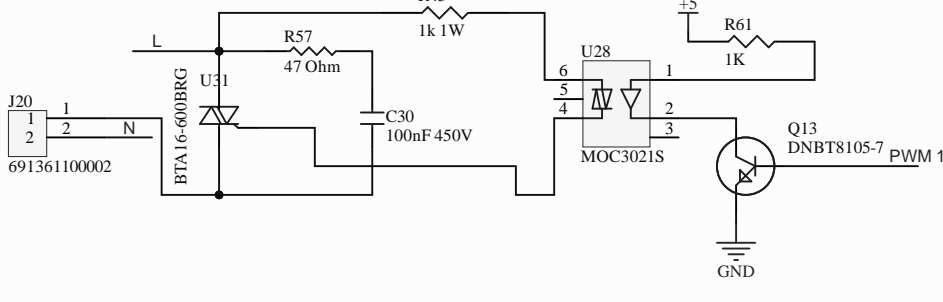
OUTPUT 13



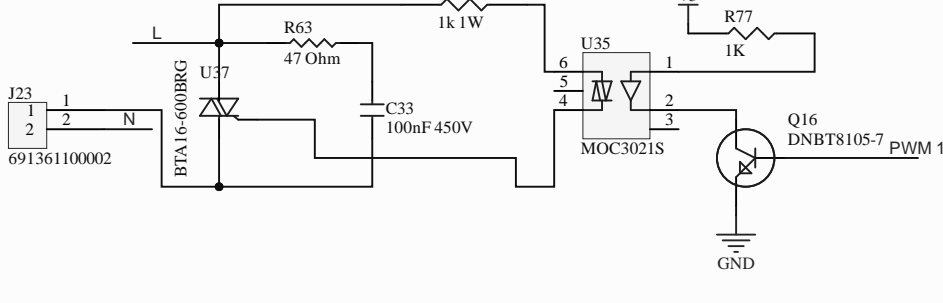
OUTPUT 14

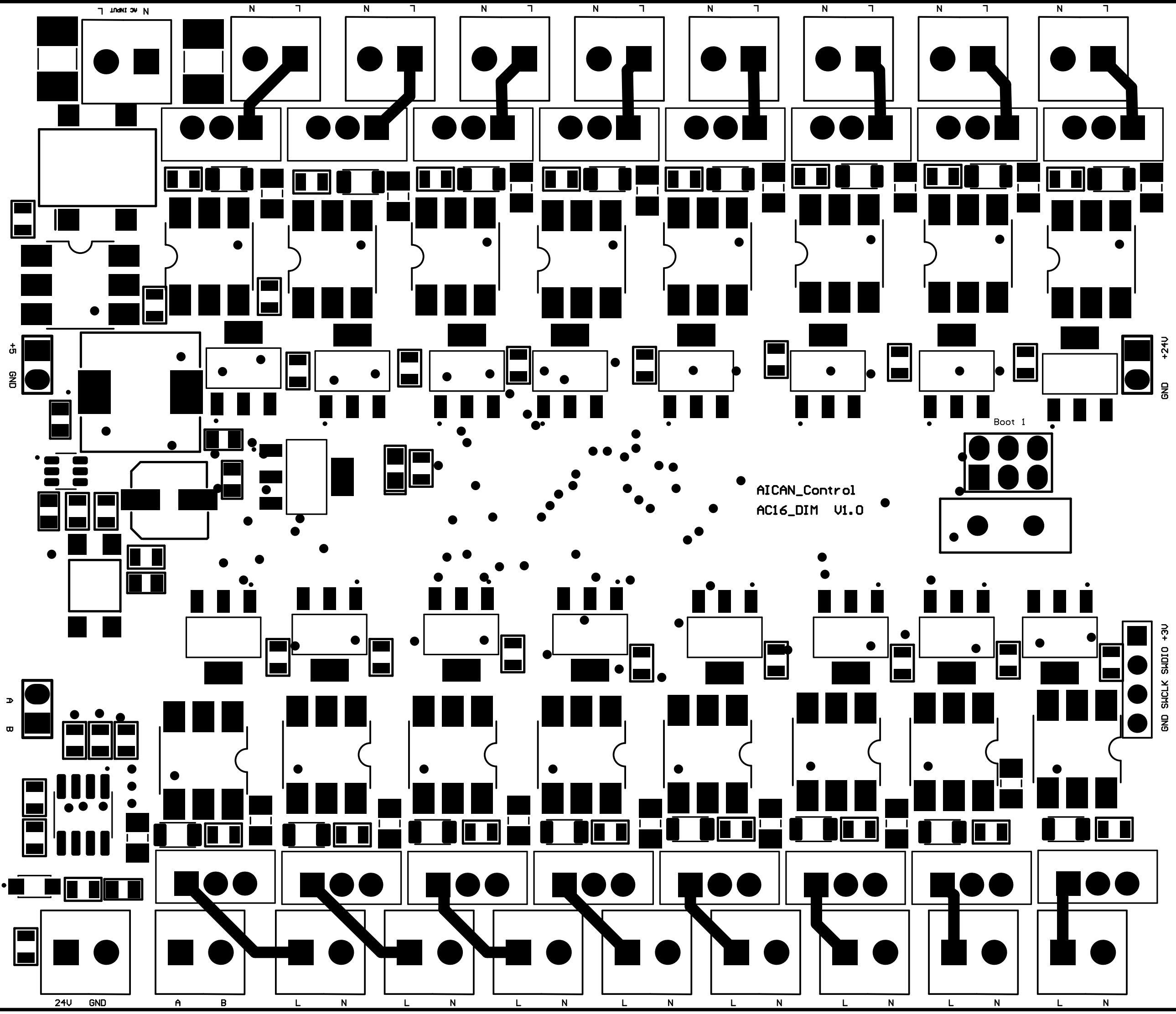


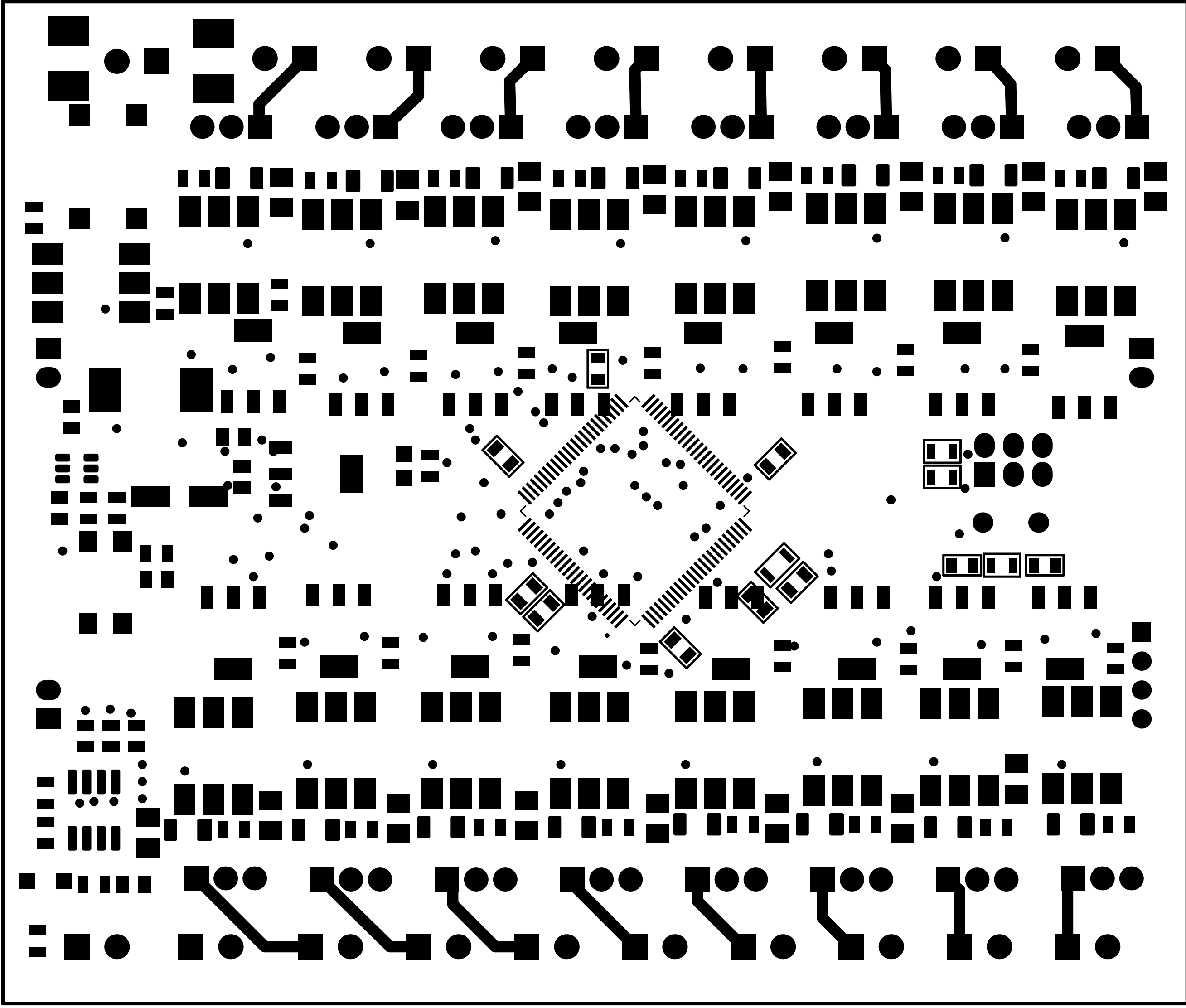
OUTPUT 15



OUTPUT 16







Designator	Comment	Description	Footprint	Quantity	Manufacturer	Manufacturer Part Number
C1, C4, C6, C7		Cap Ceramic 2.2uF 50V X5R 10% SMD 369,172°C Paper 1/8	CAP_0805	4	TDK	0805C2205GAC1U
C2, C8, C10, C16		Cap Ceramic 10uF 50V X5R 10% SMD 369,172°C Paper 1/8	CAP_0805	4	TDK	C2012X7R1H04K12M
C3		Cap Ceramic 2.2uF 50V X5R 10% SMD 369,172°C Paper 1/8	CAP_0805	1	TDK	C2012B1H025K125AB
C5		Cap Ceramic 47uF 25V 10% SMD 369,172°C Paper 1/8	CAP_ALU_D_Size	1	Panasonic	EE-1EA470MP
C9, C11, C12, C13, C14, C15, C17		CERAMIC CAPACITOR 10uF 50V X5R 20% 0805 Pkgd Series Product Range C Series Capacitance 10F Capacitance Tolerance 20% Dielectric Characteristics X5R Voltage Rating 16V Ceramic Capacitor Class 0805 (2012 Metric) MSL - RoHS Compliant Yes	CAP_0805	7	TDK	C2012X8R1C100M125AC
C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33		MLCC 450V 10uF 10% X7T 1206 325 MSL02	CAP_1206	18	TDK	CCS4047T2W10H160AA
D1		LED SMD Red 0805	LED_0805_0805	1	Osram Opto	OSV76-NB-1
D3		MMWAVE 24V 500mW 40% Surface Mount SMD 101	SMD-121	1	Qorvo	QV1000
D4		BT1410	BT1410	1	Siemens	BT1410
J1, J5, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18, J19, J20, J21, J22, J23		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
J2, J3, J4		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
J6		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
J7		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
J8		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
J9		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
J10		091361100002	Screw Terminal 1mm	18	Wurth Electronics	091361100002
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