

**Microcontroller Circuit**

U2: STM32F405RG

U1: MAX3051

U3: FULL COLOR

U4: AQM0802\_BL

U5: AP3211

U6: SI8900

U7: AZ1086H

U8: AC570331

U9: TSC103

U10: BD9G101G

U11: OUTA\_CHECK

U12: OUTB\_CHECK

U13: OUTA\_CURRENT

U14: OUTB\_CURRENT

U15: BD33FA1

U16: OUTA\_CURRENT

U17: OUTB\_CURRENT

U18: OUTA\_CURRENT

U19: OUTB\_CURRENT

U20: OSRB38C9AA

U21: OSRB38C9AA

U22: FET\_N

U23: FET\_N

U24: FET\_N

U25: FET\_N

U26: FET\_N

U27: FET\_N

U28: FET\_N

U29: FET\_N

U30: FET\_N

U31: FET\_N

U32: FET\_N

U33: FET\_N

U34: FET\_N

U35: FET\_N

U36: FET\_N

U37: FET\_N

U38: FET\_N

U39: FET\_N

U40: FET\_N

U41: FET\_N

U42: FET\_N

U43: FET\_N

U44: FET\_N

U45: FET\_N

U46: FET\_N

U47: FET\_N

U48: FET\_N

U49: FET\_N

U50: FET\_N

U51: FET\_N

U52: FET\_N

U53: FET\_N

U54: FET\_N

U55: FET\_N

U56: FET\_N

U57: FET\_N

U58: FET\_N

U59: FET\_N

U60: FET\_N

U61: FET\_N

U62: FET\_N

U63: FET\_N

U64: FET\_N

U65: FET\_N

U66: FET\_N

U67: FET\_N

U68: FET\_N

U69: FET\_N

U70: FET\_N

U71: FET\_N

U72: FET\_N

U73: FET\_N

U74: FET\_N

U75: FET\_N

U76: FET\_N

U77: FET\_N

U78: FET\_N

U79: FET\_N

U80: FET\_N

U81: FET\_N

U82: FET\_N

U83: FET\_N

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U85: FET\_N

U86: FET\_N

U87: FET\_N

U88: FET\_N

U89: FET\_N

U90: FET\_N

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U92: FET\_N

U93: FET\_N

U94: FET\_N

U95: FET\_N

U96: FET\_N

U97: FET\_N

U98: FET\_N

U99: FET\_N

U100: FET\_N

U101: FET\_N

U102: FET\_N

U103: FET\_N

U104: FET\_N

U105: FET\_N

U106: FET\_N

U107: FET\_N

U108: FET\_N

U109: FET\_N

U110: FET\_N

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U112: FET\_N

U113: FET\_N

U114: FET\_N

U115: FET\_N

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U125: FET\_N

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U146: FET\_N

U147: FET\_N

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U149: FET\_N

U150: FET\_N

U151: FET\_N

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U153: FET\_N

U154: FET\_N

U155: FET\_N

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U157: FET\_N

U158: FET\_N

U159: FET\_N

U160: FET\_N

U161: FET\_N

U162: FET\_N

U163: FET\_N

U164: FET\_N

U165: FET\_N

U166: FET\_N

U167: FET\_N

U168: FET\_N

U169: FET\_N

U170: FET\_N

U171: FET\_N

U172: FET\_N

U173: FET\_N

U174: FET\_N

U175: FET\_N

U176: FET\_N

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U185: FET\_N

U186: FET\_N

U187: FET\_N

U188: FET\_N

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U190: FET\_N

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U194: FET\_N

U195: FET\_N

U196: FET\_N

U197: FET\_N

U198: FET\_N

U199: FET\_N

U200: FET\_N

U201: FET\_N

U202: FET\_N

U203: FET\_N

U204: FET\_N

U205: FET\_N

U206: FET\_N

U207: FET\_N

U208: FET\_N

U209: FET\_N

U210: FET\_N

U211: FET\_N

U212: FET\_N

U213: FET\_N

U214: FET\_N

U215: FET\_N

U216: FET\_N

U217: FET\_N

U218: FET\_N

U219: FET\_N

U220: FET\_N

U221: FET\_N

U222: FET\_N

U223: FET\_N

U224: FET\_N

U225: FET\_N

U226: FET\_N

U227: FET\_N

U228: FET\_N

U229: FET\_N

U230: FET\_N

U231: FET\_N

U232: FET\_N

U233: FET\_N

U234: FET\_N

U235: FET\_N

U236: FET\_N

U237: FET\_N

U238: FET\_N

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U240: FET\_N

U241: FET\_N

U242: FET\_N

U243: FET\_N

U244: FET\_N

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U246: FET\_N

U247: FET\_N

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U249: FET\_N

U250: FET\_N

U251: FET\_N

U252: FET\_N

U253: FET\_N

U254: FET\_N

U255: FET\_N

U256: FET\_N

U257: FET\_N

U258: FET\_N

U259: FET\_N

U260: FET\_N

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U262: FET\_N

U263: FET\_N

U264: FET\_N

U265: FET\_N

U266: FET\_N

U267: FET\_N

U268: FET\_N

U269: FET\_N

U270: FET\_N

U271: FET\_N

U272: FET\_N

U273: FET\_N

U274: FET\_N

U275: FET\_N

U276: FET\_N

U277: FET\_N

U278: FET\_N

U279: FET\_N

U280: FET

<b>Title:</b>		
Size: A3	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/1