



- BOM**
- U1: dsPIC33EP32MC502-I/MM
  - U2: DRV8801RTY(R)
  - U3: TCAN330DCN
  - U4: TPS7B6933QDCYRQ1 or LM29371MP-3.3N0PB
  - U5: TLE5012BE1000X
  - LED101: KPH-1608DURCK Red LED 0603
  - LED102: KPH-1608SECK Orange LED 0603
  - LED103: KPH-1608CGCK Green LED 0603
  - J1: TE 5-147323-3 or 5-147278-3 or 5-147324-3
  - J2: TE 5-147323-1 or 5-147278-1 or 5-147324-1
  - J3, J4: TE 5-147323-2 or 5-147278-2 or 5-147324-2
  - J5: Tag-Connect TC2030 (Not a part!)
  - X101: Murata PRQC8.00CR1010V00L
  - C102, C103, C201, C202, C203, C301, C401, C402, C502: Capacitor 100nF ≥50V X5R or X7R, 0402
  - C501: Capacitor 1µF ≥6.3V X5R or X7R, 0402
  - C205, C206, C403: Capacitor 10µF ≥6.3V X5R or X7R, 0402
  - C101: Capacitor 10µF ≥16V X5R or X7R, 0603
  - C204: Tantal Capacitor 100µF 25V Kemet T491X107K025AT
  - L101: Multilayer Inductor WE 742792796
  - L201: Inductor 680µH 30mA Taiyo Yuden CB2518T681K
  - R201: 0.2Ω 2W Shunt, CRM2512-FX-R200ELF
  - R203: Resistor 5.6Ω 1% 0402
  - R104, R105, R106: Resistor 10Ω 0402
  - R502, R503: Resistor 150Ω 1% 0402
  - R501: Resistor 470Ω 1% 0402
  - R107, R108, R109: Resistor 560Ω 1% 0402
  - R101, R102, R103, R202: Resistor 10kΩ 1% 0402
  - MH1, MH2, MH3, MH4: Mounting Hole, not a Part!

- Parts for Cables**
- All plugs use crimp contacts:
- 1-104480-3/2/7 for 0.13 to 0.3mm<sup>2</sup>
  - 1-104479-0 or 104479-9/8 for 0.2 to 0.5mm<sup>2</sup>
- Plug housings:
- 2-Pin: 103653-1
  - 3-Pin: 103653-2
  - 4-Pin: 103653-3

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