













Component list

Source Data From: Project: Variant: Bill of Materials For Project [PowerDistribution.PrjPcb] (No PCB Document Selected)

PowerDistribution.PrjPcb	
PowerDistribution.PrjPcb	
None	



5/29/2017 4:08:43 PM Report Date: Print Date: 29-May-17 4:09:03 PM #Column Name Error:Manufacturer olumn Name Error:Manufacturer#Column Name Error:PartType LibRet Description **Footprint** #Column Name Error:Package Reference Quantity 1 CAP ALUM 100UF 20% 50V RADIAL 100µF 50V Aluminum Capacitors Radial, Can 74 CAP ALUM 100UF 50V mOhm @ 100kHz 3000 Hrs @ 105°C 2 CAP CER 22UF 16V ±20% X5R 1210 22µF ±20% 16V Ceramic Capacitor X5R 1210 3 CAP CER 0.1UF 50V 10% X7R 0603 0.10µF ±10% 50V Ceramic Capacitor X7R 0603 (1608 Metric) 4 CAP CER 1UF 50V 10% X7R 0603 1µF ±10% 50V Ceramic Capacitor X7R 0603 CAP, 0603 1608 Metric 5 CAP CER 10nF 50V 5% X7R 0603 10000pF ±5% 50V Ceramic Capacitor U2J 0603 1608 Metric 6 DIODE TVS 15VWM 24.4VC DO-214AA TVS DIODE 15VWM 24.4VC SMB DO-214AA Diode FUSE ATO/ATC FUSE HOLDER 7 FUSE ATO FUSE HOLDER Fuse Block 30A 500V 1 Circuit Blade PCB 8 CONN 2POS JUMPER 0.1" 2 Positions Header Connector Through Hole CONN 2POS JUMPER 0.1" 9 LED GREEN CLEAR 2V 0603 Green 572nm LED Indication - Discrete 2V 0603 (1608 Metric) 10 LED YELLOW CLEAR 2.1V 0603 11 CONN 50POS Bergstak Plug 0.02" 50 Position Connector Plug, Outer Shroud CONN, Bergstak 50 Pos Plug Contacts Surface Mount Gold 12 CONN 8POS ULTRA-FIT 0.138" 8 Positions Header Connector 0.138" (3.50mm) CONN. 8POS ULTRA-FIT Through Hole Tin 13 CONN 2POS ULTRA-FIT 0.138' 2 Positions Header, Shrouded Connector 0.138 CONN, 2POS ULTRA-FIT (3.50mm) Through Hole Gold 14 CONN 6POS ULTRA-FIT 0.138" 6 Positions Header Connector 0.138" (3.50mm) CONN, 6POS ULTRA-FIT Through Hole Tin 15 CONN 2POS ULTRA-FIT NATURAL COLOR 2 Positions Header, Shrouded Connector 0.138" CONN, 2POS ULTRA-FIT - NATURAL COLOR (3.50mm) Through Hole 16 CONN 2POS DURA-CLIK 0.079' 2 Positions Header, Shrouded Connector 0.079" CONN, 2POS Dura-Click (2.00mm) Surface Mount, Right Angle Tin 17 MOSFET DUAL P-CH 40V 8A 3.2W 8-SOIC Mosfet Array 2 P-Channel (Dual) 40V 8A 3.2W Surface Mount 8-SO 18 MOSFET N-CH 30V 8.7A 2.1W 6-PQFN MOSFET N-CH 30V 12A 2mmx2mm PQFN 19 RES 0.003 OHM 1% 1.5W 2010 0.003 Ohm ±1% 1.5W Chip Resistor 2010 (5025 RES 2010 Metric) Current Sense, Moisture Resistant Metal 20 RES 0.006 OHM 1% 1/2W 1206 0.006 Ohm ±1% 0.5W, 1/2W Chip Resistor RES 1206 1206 (3216 Metric) Automotive AEC-O200 Current Sense, Moisture Resistant Metal. 21 RES 1M OHM 1% 1/10W 0603 1M Ohm ±1% 0.1W, 1/10W Chip Resistor 0603 RES 0603 (1608 Metric) Moisture Resistant Thick Film 22 RES 11.8K OHM 1% 1/10W 0603 11.8k Ohm ±1% 0.1W, 1/10W Chip Resistor RES 0603 0603 (1608 Metric) Moisture Resistant Thick 23 RES 86.6K OHM 1% 1/10W 0603 86.6k Ohm ±1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick RES. 0603 24 RES 10K OHM 1% 1/10W 0603 RES SMD 10K OHM 1% 1/10W 0603 RES 0603 25 RES 4 7K OHM 1% 1/10W 0603 4.7k Ohm ±1% 0.1W, 1/10W Chip Resistor 0603 RES 0603 (1608 Metric) Moisture Resistant Thick Film 54.9k Ohm ±1% 0.1W. 1/10W Chip Resistor 26 RES 54.9K OHM 1% 1/10W 0603 RES. 0603 0603 (1608 Metric) Automotive AEC-Q200 Thick 27 RES 78.7K OHM 1% 1/10W 0603 78.7k Ohm ±1% 0.1W, 1/10W Chip Resistor RES. 0603 0603 (1608 Metric) Automotive AEC-Q200 Thic 28 RES 255K OHM 1% 1/10W 0603 255k Ohm ±1% 0.1W, 1/10W Chip Resistor RES 0603 0603 (1608 Metric) Moisture Resistant Thick 29 RES 470K OHM 1% 1/4W 0603 RES SMD 470K OHM 1% 1/4W 0603 RES. 0603 30 RES 0.0 OHM 1/4W 0603 RES SMD 0.0 OHM JUMPER 1/4W 0603 RES 0603 31 RES 140K OHM 1% 1/10W 0603 RES. 0603 32 IC OR CONTROLLER SOURCE SELECT OR Controller Source Selector Switch P-Channel IC OR CTRLR SRC SELECT 24SSOP 3:1 24-SSOP 33 IC REG LDO 3V 0.2A 4-TDFN C REG LDO 3V 0.2A 4-TDFN 34 IC OP AMP GEN PURPOSE RR 10MHZ SOT eneral Purpose Amplifier 1 Circuit Rail-to-Rail IC OP AMP GP RR 10MHZ SOT-23-5 35 IC CURRENT AMPLIFIER SC70-6 Current Sense Amplifier 1 Circuit SC-70-6 IC OP AMP CURR SENSE 80KHZ SC70-6 134 Approved Notes