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SAT0028

Designator	Quantity	Value	Description	Size	Part Number	MFR
C1, C10, C11	3	0.1uF	Capacitor, Ceramic, 16V, X7R, 10%	402	Std	Std
C2, C3	2	1uF	Capacitor, Ceramic, 50V, X7R, 10%	805	Std	Std
C4	1	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	805	Std	Std
C5, C9	2	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	603	Std	Std
C7	1	330pF	Capacitor, Ceramic, 16V, X7R, 10%	402	Std	Std
C8	1	0.01uF	Capacitor, Ceramic, 16V, X7R, 10%	402	Std	Std
C101	1	47pF	Capacitor, Ceramic, 16V, X7R, 10%	402	Std	Std
D1	1	RS2AA-13	Diode, Rectifier, 1.5-A, 50-V	SMA	Std	Std
D2	1	39V	Diode, Zener, 39V, 100-mA, 200mW	SOD-523	MM5Z39VT1	On Semi
D3	1	SK24-TP	Diode, Schottky, 2-A, 40-V	SMB	SK24-TP	Std
D4	1	GREEN	Diode, LED, Green, 2-V, 20-mA	603	LTST-C190KGKT	Lite On
D100	1	MM5Z15V	Diode, Zener, 15V, 100-mA, 200mW	SOD-523	MM5Z15VT1	On Semi
F1	1	2A	Fuse, Axial, Fast Acting, 2A	0603	F0603E3R00FSTR	AVX
FB1	1	Ferrite Bead	Bead, SMD Ferrite, 26ohms @ 100MHz, 10mohm DC, 6A	0603	BLM18KG260TN1D	Murata
J1	1	C-292303-x	Connector, USB TH	14.0 x 14.0 mm	C-292303-x	Tyco
L1	1	22uH	Inductor, Shielded, Composite, 22uH, 3.4A, 0.1 ohm, SMD		XAL5050-223MEB	Coilcraft
Q1	1	MMDT3946	Transistor, Dual NPN, 60V, 200mA, 200mW	SC-70[SOT-363]	MMDT3946	Diodes
Q2	1	FDC5614P	MOSFET, Pch, -60V, 3.4A, 112-milliOhms	TSOP-6	FDC5614P	Fairchild
R1	1	10.5K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R2	1	200K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R3	1	499K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R4	1	20.0K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R5	1	3.01K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R6, R14	2	100K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R7	1	82.5K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R8	1	47.5K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R9	1	2.00K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R10	1	1.00K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R12	1	1K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R13	1	0	Resistor, Chip, 1/16W, 1%	402	Std	Std
R15	1	16.9K	Resistor, Chip, 1/16W, 1%	402	Std	Std
R16	1	37.4K	Resistor, Chip, 1/16W, 1%	402	Std	Std
TP1, TP2	2	STD	Test Point, 0.032 Hole		STD	STD
U1	1	TPS54340	IC REG BUCK ADJ 3.5A 8SO	8-SOIC	TPS54340DDAR	TI
U2	1	TPS2511DGN	IC, INTELLIGENT USB CHARGING CONTROLLER WITH CURRENT LIMITING POWER SWITCH	HTSSOP	TPS2511DGN	TI
U3	1	TPD2E001	Automotive Catalog Low-Capacitance 2-Channel +/-15 kV ESD-Protection Array for High-Speed Data Interfaces	SOT-533-DRL	TPD2E001IDRLRQ1	TI

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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