TIDA-00761

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Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB	1		Printed Circuit Board		PWR731	Any	-	-
/CD, TP3,	5	Orange	Test Point, Miniature, Orange, TH	Orange Miniature	5003	Keystone		
TP7, TP11,				Testpoint				
TP14								
C1, C3	2	4.7uF	CAP, CERM, 4.7 µF, 16 V, +/- 20%, X5R, 0402	0402	GRM155R61C475ME11	MuRata		
C2	1	1uF	CAP, CERM, 1 μF, 25 V, +/- 10%, X5R, 0402	0402	D C1005X5R1E105K050B	трк		
02		101	CAF, CERINI, 1 µ1, 23 V, +/- 10 %, ASR, 0402	0402	C 1003X3H1E103K030B	IDK		
C6, C7	2	1uF	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0402	0402	GRM155R61A105KE15	MuRata		
					D			
C9	1	10uF	CAP, CERM, 10 µF, 10 V, +/- 20%, X5R, 0402	0402	CL05A106MP5NUNC	Samsung Electro-Mechanics		
D1	1	Red	LED, Red, SMD	Red LED,	LTST-C190CKT	Lite-On		
		-		1.6x0.8x0.8mm	1 707 0 (00 0)/7			
D2 FID4, FID5,	1	Green	LED, Green, SMD Fiducial mark. There is nothing to buy or mount.	1.6x0.8x0.8mm Fiducial	LTST-C190GKT N/A	Lite-On N/A		
FID4, FID5, FID6	3		Flutciar mark. There is nothing to buy or mount.	Fluuciai	IN/A	IN/A		
H12, H13,	4		Bumpon, Cylindrical, 0.312 X 0.200, Black	Black Bumpon	SJ61A1	3M		
H14, H15								
J1	1		Receptacle, Micro-USB-B, Right Angle, SMD	Micro USB receptacle	105017-0001	Molex		
J2, J3, J4,	20		Header, 100mil, 2x1, Tin plated, TH	Header, 2 PIN,	PEC02SAAN	Sullins Connector Solutions		
J5, J7, J8,				100mil, Tin				
J12, J15, J17, J22,								
J24, J26,								
J27, J28,								
J29, J30,								
J31, J32,								
J33, J34								
J6, J9, J11,	5		Header, 100mil, 3x1, Tin, TH	Header, 3 PIN,	PEC03SAAN	Sullins Connector Solutions		
J14, J25				100mil, Tin				
J10	1	0.0.11	Header (friction lock), 100mil, 4x1, R/A, TH	4x1 R/A Header	22-05-3041	Molex		
L1 LBL1, LBL2	1	2.2uH	Inductor, SMT, 600mA, 245-milliohm Thermal Transfer Printable Labels, 0.650" W x 0.200" H -	2012 PCB Label 0.650"H x	MDT2012-CXxRyM-R THT-14-423-10	TOKO Brady		
LDLI, LDLZ	2		10.000 per roll	0.200"W	111-14-423-10	Brady	-	-
R1	1	20k	Trimmer, 20k ohm, 0.25W, TH	4.5x8x6.7mm	3266W-1-203LF	Bourns		
R2	1	14.0k	RES, 14.0k ohm, 1%, 0.063W, 0402	0402	CRCW040214K0FKED	Vishay-Dale		
R3	1	14.3k	RES, 14.3k ohm, 1%, 0.063W, 0402	0402	CRCW040214K3FKED	Vishay-Dale		
R4, R9	2	2.00	RES, 2.00 ohm, 1%, 0.1W, 0603	0603	CRCW06032R00FKEA	Vishay-Dale		
R5	1	4.99k	RES, 4.99 k, 1%, 0.063 W, 0402	0402	CRCW04024K99FKED	Vishay-Dale		
R6, R15,	7	0	RES, 0, 5%, 0.063 W, 0402	0402	CRCW04020000Z0ED	Vishay-Dale		
R16, R17,								
R18, R19,								
R20 R7, R10,	4	499	RES, 499 ohm, 1%, 0.063W, 0402	0402	CRCW0402499RFKED	Vishay-Dale		
R11, R13	4		1120, 400 0111, 176, 0.0003W, 0402	0402	01101040243301 KED	visitay-Dale		
R12	1	5 K	Trimmer, 5k ohm, 0.25W, TH	4.5x8x6.7mm	3266W-1-502LF	Bourns	1	
R14	1	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402	CRCW0402100KFKED	Vishay-Dale		
S1	1		Switch, Tactile, SPST-NO, SMT	Switch, 6.2X5X6.2	KST221JLFS	C&K Components		
				mm				
SH-JP1, SH-	5	1x2	Shunt, 100mil, Gold plated, Black	Shunt	969102-0000-DA	3M	SNT-100-BK-G	Samtec
JP2, SH-								
JP3, SH-								
JP4, SH- JP5								
TP1, TP2,	3	White	Test Point, Miniature, White, TH	White Miniature	5002	Keystone		
TP4	5			Testpoint				
TP5, TP6	2	Yellow	Test Point, Miniature, Yellow, TH	Yellow Miniature	5004	Keystone		1
				Testpoint				
TP8, TP9,	4	Red	Test Point, Compact, Red, TH	Red Compact	5005	Keystone		
TP10, TP13				Testpoint				
U1	1		YFF0025AWAW	YFF0025AWAW	BQ25120YFF	Texas Instruments		Texas Instruments
FID1, FID2,	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
FID3			1	1		1	1	

Notes:

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

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