

Filename: AMPS032A(001)_BOM.xls

Variant: 001

Generated: 7/17/2018 1:43:05 PM

OPA858DSGEVM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPC	1		Printed Circuit Board		AMPS032	Any		
C1, C4	2	2.2uF	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X7R, 1206	1206	GRM31MR71E225KA93L	MuRata		
C2, C5	2	0.22uF	CAP, CERM, 0.22 uF, 25 V, +/- 20%, X5R, 0402	0402	C1005X5R1E224M050B	TDK		
C3, C6	2	0.01uF	CAP, CERM, 0.01 uF, 25 V, +/- 10%, X7R, 0402	0402	GRM155R71E103KA01D	MuRata		
C7	1	0.01uF	CAP, CERM, 0.01 uF, 50 V, +/- 20%, X7R, 0603	0603	500X14W103MV4T	Johanson Technology		
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply		
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone		
J1, J2, J5	3		Connector, End launch SMA, 50 ohm, SMT	SMA End Launch	142-0701-851	Cinch Connectivity		
J4	1		Header, 100mil, 3x1, Gold, TH	3x1 Header	TSW-103-07-G-S	Samtec		
L1, L2	2	1000 ohm	Ferrite Bead, 1000 ohm @ 100 MHz, 0.5 A, 0805	0805	BLM21AG102SN1D	MuRata		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch	THT-14-423-10	Brady		
P1, P2, P3	3		Standard Banana Jack, Uninsulated	Keystone_6095	6095	Keystone		
R1	1	49.9	RES, 49.9, 1%, 0.063 W, 0402	0402	CRCW040249R9FKED	Vishay-Dale		
R2	1	453	RES, 453, 1%, 0.063 W, 0402	0402	CRCW0402453R9FKED	Vishay-Dale		
R3	1	0	RES, 0, 5%, 0.063 W, 0402	0402	CRCW04020000Z0ED	Vishay-Dale		
R4	1	75.0	RES, 75.0, 1%, 0.063 W, 0402	0402	CRCW040275R0FKED	Vishay-Dale		
R6	1	169	RES, 169, 1%, 0.1 W, 0603	0603	CRCW0603169RFKEA	Vishay-Dale		
R7	1	71.5	RES, 71.5, 1%, 0.1 W, 0603	0603	CRCW060371R5FKEA	Vishay-Dale		
R8, R9, R10	3	0	RES, 0, 5%, 0.1 W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale		
SH-J1	1	1x2	Shunt, 100mil, Gold plated, Black		382811-6	AMP		
TP1, TP2, TP3	3		Test Point, Miniature, SMT	Test Point, Miniature, SMT	5019	Keystone		
U1	1		OPA858IDSG, DSG0008A (WSON-8)	DSG0008A	OPA858IDSG	Texas Instruments		Texas Instruments
FID1, FID2, FID3, FID4, FID5, FID6	0		Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A		
J3	0		Connector, End launch SMA, 50 ohm, SMT	SMA End Launch	142-0701-851	Cinch Connectivity		
R5	0	49.9	RES, 49.9, 1%, 0.25 W, 1206	1206	CRCW120649R9FKEA	Vishay-Dale		

Notes:

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