

Filename: HSP006A(001)_BOM.xls

Variant: 001

Generated: 7/24/2017 9:19:39 AM

THS3491RGTEVM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPCB	1		Printed Circuit Board		HSP006	Any	-	-
C1, C2	2	4.7uF	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X5R, 1206	1206	GRM319R61H475KA12D	MuRata		
C3, C4	2	1uF	CAP, CERM, 1 μ F, 50 V, +/- 10%, X5R, 0805	0805	C2012X5R1H105K125AB	TDK		
C5, C6	2	0.1uF	CAP, CERM, 0.1 μ F, 25 V, +80/-20%, Y5V, 0603	0603	C0603C104Z3VACTU	Kemet		
C7	1	0.01uF	CAP, CERM, 0.01 μ F, 100 V, +/- 10%, X7R, 0603	0603	06031C103KAT2A	AVX		
C8	1	0.1uF	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X5R, 0402	0402	GRM155R61E104KA87D	MuRata		
H1, H2, H3, H4	4		MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40, 1/4 inch	PMSSS 440 0025 PH	B&F Fastener Supply		
H5, H6, H7, H8	4		HEX STANDOFF 4-40 ALUMINUM 3/4"	HEX STANDOFF 4-40 ALUMINUM 3/4"	2204	Keystone		
H9	1		Surface mount heat sink for D2PAK	Surface mount heat sink for D2PAK	7109DG	Aavid		
J1, J2, J3	3		Connector, End launch SMA, 50 ohm, SMT	SMA End Launch	142-0701-851	Emerson Network Power		
J4, J5, J6	3		Standard Banana Jack, Uninsulated	Keystone_6095	6095	Keystone		
L1, L2	2	220 ohm	Ferrite Bead, 220 ohm @ 100 MHz, 2 A, 0805	0805	BLM21PG221SN1D	MuRata		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W	THT-14-423-10	Brady	-	-
R1, R7	2	49.9	RES, 49.9, 1%, 0.1 W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale		
R2, R6, R8	3	0	RES, 0, 5%, 0.1 W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale		
R3	1	124	RES, 124, 1%, 0.1 W, 0603	0603	RC0603FR-07124RL	Yageo America		
R4	1	499	RES, 499, 1%, 0.25 W, 0603	0603	RCS0603499RFKEA	Vishay Dale		
R9, R10	2	240	RES, 240, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512	CRCW2512240RJNEG	Vishay-Dale		
R11, R12	2	287	RES, 287, 1%, 0.25 W, 1206	1206	CRCW1206287RFKEA	Vishay-Dale		
R13	1	54.9	RES, 54.9, 1%, 0.1 W, 0603	0603	CRCW060354R9FKEA	Vishay-Dale		
TP1	1		Test Point, Miniature, White, TH	Test-Point, Dia 100mil, TH	TP105-01-09	Components Corporation		
TP3	1		Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone		
U1	1		High Voltage, Low Distortion, Current-Feedback Amplifier, RGT0016A	RGT0016A	THS3491IRGT	Texas Instruments		Texas Instruments
C9	0	100pF	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603	C0603C101J5GACTU	Kemet		
FID1, FID2, FID3, FID4, FID5, FID6	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
R5	0	49.9	RES, 49.9, 1%, 0.1 W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale		

Notes:

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