Filename: PMP7246 RevB Date: 11/26/2012

## PMP7246RevB\_BOM

Diff     Diff     Disk     Disk <thdisk< th="">     Disk     Disk     <thd< th=""><th>COUNT</th><th>RefDes</th><th>Value</th><th>Description</th><th>Sizo</th><th>Port Number</th><th>MFR</th></thd<></thdisk<>	COUNT	RefDes	Value	Description	Sizo	Port Number	MFR
2     Clobal Structure     Englishing			Value 10p	Description	Size		
1     0182     Departm, CPI Grame, 199, 201, 4159,     1086     870     870     870       1     CVID     200,     Departm, CPI Grame, 199     1000     170 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1     C106     208     Statust, XPR Comm. 1007							
1     Color     Color     Color     Status							
1     C108     DD00     Consider COD Genera, BW     D033     STD     STD       1     C113     XAP     Consider Color Color     STD     STD     STD     STD       1     C115     XAP     Consider Color Color     STD     STD     STD     STD       1     C116     XAP     Consider Color Color     STD     STD     STD       1     C116     RAP     Consider Color Color     STD							
1     C110     k.h.     Constate, XP Genera, 100     1910     BTD     BTD     BTD       1     C113     DBp     Constate, XP Genera, 100     5601     STD     STD       1     C117     DBp     Constate, VP Genera, 100     5601     STD     STD     STD       1     C117     DBp     Constate, VP Genera, 100     5601     STD     STD       1     C217     INFn     Constate, VP Genera, 2007     StD     STD     STD     STD       1     C217     INFn     Constate, VP Genera, 2007     StD     STD     STD     STD       1     C22     Constate, VP Genera, 2007     INFn     INFn     StD							
1     C113     DNP     Construct, XR Camme, Tory     DBA3     STD     STD     STD       1     C113     DNP     Casable, Old Camme, Tory     B633     STD     STD     STD       2     C4-07     L     Casable, XR Camme, Tory     B633     STD     STD     STD       2     C4-07     L     Casable, XR Camme, Tory     B633     STD     STD     STD       2     C4-07     L     Casable, XR Camme, Tory     B633     STD     STD <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
1     CH15     DNP     Conjenic CoS Genera, For     DNB     STD							
1     C116     Bdp     Company, DA     Strip      1							
1     C117     3.5.n.     Copender, XP2 Ceremon, 1997     0803     STD     STD       2     C40, 177     1.0.     Capacity, XP2 Ceremon, 2007     1004     STD     STD       1     C32     2.0.     Capacity, XP2 Ceremon, 2007     1056     STD     STD       2     C40-31     0.0.     Capacity, XP2 Ceremon, 2007     1056     STD     STD       2     C40-31     0.0.     Capacity, Ceremon, 2007     1056     STD     STD       2     C40-31     10.0.     Capacity, Ceremon, 2007     1020     STD     STD     STD       2     C40-31     10.0.     Capacity, Ceremon, 2007     0030     STD     STD     STD       3     C542, C22-32     2.0.     Capacity, ZPA Ceremon, 2007     0030     STD     STD <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
2     C16-17     14     Cogenetic, XR Genera, Kov     128     STD     STD     STD       1     C43     DNH     Cogenetic, XR Genera, Xov     705     STD     STD     STD       1     C43     DNH     Cogenetic, XR Genera, Xov     705     STD     Bhycon       1     C43     DNH     Cogenetic, XR Genera, Xov     705     STD     Bhycon       1     C44     DNL     Cogenetic, XR Genera, Cav     706     STD     Bhycon       2     C44-9     DNL     Cogenetic, Care C							
1     C21     Ub0n     Capable XPR Genes, 200, 200     TDS     TD     TD       1     C22     Capable XPR Genes, 200, 200     R35     R35     R35     R35     R35       2     CAS1     UP     Capable XPR Genes, 200     R35     R35     R35     R35       2     CAS1     UP     Capable XPR Genes, 200     R35     R35 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
1     C22     Dis     Chapter, XPR Common, 2007, 2017.     1026     STD     STD     STD       2     C23-53     PV     Capacitor, XPR Common, 2007, 2017.     1028     STD     STD     STD       16     C23-77     F0.     Capacitor, Camacitor, Evil, 2007.     1029     STD     STD     STD       16     C23-77     F0.     Capacitor, Camacitor, Evil, 2007.     128     STD     STD     STD       17     C3-14-050     ATV     Capacitor, Caro, Camacitor, 2007.     148     STD     STD       18     C34-07-07.0     Capacitor, XPR Common, 1907.     148     STD     STD     STD       24     C47-07.00     Capacitor, XPR Common, 1907.     043     STD     STD     STD     STD       25     C74-050.     Capacitor, XPR Common, 2007.     043     STD     S							
1     C23     DBP     Compactor. XPR Censul., 2007     128.6     STD     Nth processor       4     CC34-2018-44     100.0     Capacitor. Journe, 509, 20%.     220.0     STD     Nth processor       10     CC34-47     10a.     Capacitor. Journe, 509, 20%.     120.0     STD     STD       11     CC34-69     10g.     Capacitor. Journe, 509, 20%.     120.0     STD     STD       11     CC34-50.7     11a.     Capacitor. Journe, 509, 20%.     120.0     STD     STD       11     CC34-50.7     11a.     Capacitor. JCR Censult, 100     400.3     STD     STD       12     CC45, 50.7     12a.     Capacitor. JCR Censult, 100     400.3     STD     STD       12     CC45, 50.7     10a.     Capacitor. JCR Censult, 100     400.3     STD     STD       12     CC45, 50.6     10a.     Capacitor. JCR Censult, 100     400.3     STD     STD       12     CC45, 50.6     10a.     Capacitor. JCR Censult, 100     400.3     STD     STD       12     CC4							
S     C24 CB5-94     100U     Colgebox // Carmin, UV, 20%.     0.50 x 0.800     TD     RUycon       2     C333     410     Carabotic, VF, Caranin, UV, 20%.     1236     STD     STD       3     C48-90     100p     Cagabitic, Caranin, City, 100y, 110y,							
2     CB31     4/n     Capacitor, XPR Genner, 197     170     170     170     170       16     CB24, 77     100     Capacitor, Constr., 697, 794, 1056     2220     STD     STD     STD       1     CS1     10     Capacitor, XPR Genner, 10V     1828     STD     STD     STD       3     CS4, CT7, C112     100     Capacitor, XPR Genner, 16V     0903     STD     STD       4     CS4, CT7, C112     100     Capacitor, XPR Genner, 16V     0903     STD     STD       5     C44     Capacitor, XPR Genner, 22V     0903     STD     STD       2     C48     CCA, C C5, C     StD     STD     STD     STD       2     C48     CCA, C C5, C     StD     STD     STD     STD       2     C48     CCA, C C5, C     StD     STD     STD     STD       2     C48     CCA, C C5, C     StD     STD     STD     STD       1     C48     CApactor, XPR Genner, 16V     0903     STD	1						
16     CS3-47     100     Classics     200     STD     STD       2     C84-60     100     Capacitor, XPR Ceanner, Dyn. 100V, 101%     1102     STD     STD       11     C54-70 (711)     100     Capacitor, XPR Ceanner, 10V     1012     STD     STD       2     C54-57 (712)     100     Capacitor, XPR Ceanner, 12V     603     STD     STD       3     C54-57 (712)     100     Capacitor, XPR Ceanner, 12V     6003     STD     STD       4     C62-55 (758)     10     Capacitor, XPR Ceanner, 12V     6003     STD     STD       7     C62-55 (759)     Capacitor, XPR Ceanner, 29V     6003     STD     STD       7     C73     1n     Capacitor, XPR Ceanner, 29V     6003     STD     STD      7     C62-50 (769     Capacitor, XPR Ceanner, 19V     6003     STD     STD       1     C73     1n     Capacitor, XPR Ceanner, 19V     6003     STD     STD       1     C63     200     Capacitor, XPR Ceanner, 19V     6003     STD <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	5						
2     C48-46     tilting     Changelow, Coloramic, 2007, 4176, Calagelow, 2007, 2017, 20	2	C30-31	47u	Capacitor, X7R Ceramic, 16V	1210	STD	STD
1     CS1     1n     Comparison     2006     STD     STD       3     CC440     AT     Classical, COG Carana, LW     Model     STD     STD     STD       3     CC540     CC42-25     Z     Classical, CC42-35     STD     STD     STD       4     CC540     CC42-25     Z     Classical, CC42-26     STD	16	C32-47	10u	Capacitor, Ceramic, 50V, 20%	2220	STD	STD
11     CS-14 C50     4/Tu     Cogasitier, XFR Cerame, 109V     1812     STD     STD       1     CS4.07 (11)     100     Cagasitier, XFR Cerame, 20V     0603     STD     STD       2     CS4.06 (24-25)     2n     Cagasitier, XFR Cerame, 2V     0605     STD     STD       2     CS6.06 (27)     10     Cagasitier, XFR Cerame, EV     0605     STD     STD       2     CS6.06 (27)     10     Cagasitier, XFR Cerame, EV     0603     STD     STD       2     CS6.06 (27)     10     Cagasitier, XFR Cerame, EV     0603     STD     STD       1     C113 (21) (31     100     Cagasitier, XFR Cerame, EV     0603     STD     STD       1     C73     100     Cagasitier, XFR Cerame, EV     0603     STD     STD       1     C68     2.5     Cagasitier, XFR Cerame, EV     0603     STD     STD       1     C67     MS9     Cagasitier, XFR Cerame, IV     0603     STD     STD       1     C68     2.5     Cagasitier, XFR Cerame	2	C48-49	100p	Capacitor, Ceramic Chip, 100V, ±10%	1206	STD	STD
3     CSL C77, C112     Inn     Capacity, XPR Ceramic, 1W     0903     STD     STD       8     CS564 (C24-25)     2n     Capacity, XPR Ceramic, 26V     0603     STD     STD       5     C84     C74, C75, C74, C75, C75, C77, C75, C77, C77, C77, C77	1	C51	1n	Capacitor, C0G Ceramic, 200V	1206	STD	STD
C656 65 C28-30     Capacity, X/R Cananic, 25/     003     STD     STD       6     C660 C42-65     C     STD     STD     STD       2     C682 C68     T0     Capacity, X/R Cananic, 26//     1206     STD     STD       2     C682 C62 - 63     Capacity, X/R Cananic, 25//     0603     STD     STD       2     C682 C62 - 63     Capacity, X/R Cananic, 25//     0603     STD     STD       1     C74     B/D     Capacity, X/R Cananic, 25//     0603     STD     STD       1     C74     B/D     Capacity, X/R Cananic, 25//     0603     STD     STD       1     C74     B/D     Capacity, X/R Cananic, 16//     0603     STD     STD       1     C76     B/D     Capacity, C/R Cananic, 16//     0603     STD     STD       1     C68     D/P     Capacity, C/R Cananic, 16//     0603     STD     STD       1     C68     D/P     Capacity, C/R Cananic, 16//     0603     STD     STD       1     C68	11	C5-14 C50	4.7u	Capacitor, X7R Ceramic, 100V	1812	STD	STD
C55 86 C28-30     Cospacitor, XPR Ceramic, 25V     603     STD     STD       6     C68 C42-51     10     Capacitor, XPR Ceramic, 15V     0805     STD     STD       7     C62 C66     10     Capacitor, XPR Ceramic, 25V     0805     STD     STD       7     C62 C62 C6     10     Capacitor, XPR Ceramic, 25V     0803     STD     STD       7     C62 C62 C64     Capacitor, XPR Ceramic, 25V     0803     STD     STD       1     C71 C103 C100     Capacitor, XPR Ceramic, 25V     0803     STD     STD       1     C72 B200     Capacitor, XPR Ceramic, 25V     0803     STD     STD       1     C73 B20     Capacitor, XPR Ceramic, 16V     0803     STD     STD       1     C76 B200     Capacitor, XPR Ceramic, 16V     0806     STD     STD       1     C88     DNP     Capacitor, XPR Ceramic, 16V     0806     STD     STD       1     C88     DNP     Capacitor, XPR Ceramic, 16V     0805     STD     STD       1     C89	3	C54, C77, C112	10n	Capacitor, X7R Ceramic, 16V	0603	STD	STD
8     C8460 C24-25     27n     Capacity, XIR Ceramic, 29V     903     STD     STD       2     C63 C6     10n     Capacity, XIR Ceramic, 20V, 20%     1246     STD     STD     STD       2     C63 C6     10n     Capacity, XIR Ceramic, 20V, 20%     1246     STD     STD       4     C63 C6, C7, C5, C3     C63 C64, C7, C5, C3     C63 C64, C7, C6, C3     C63 C7, C63 C64, C64     STD     ST		C55-56 C28-29					
Cell Gel (7b-71     Capacity, XPR Ceramic, 16/     B05     STD     STD       2     Colls, CF2 (7b, C1193) CC 84-7     Capacity, XPR Ceramic, 2007, 2016     1266     STD     STD       2     Colls, CF2 (7b, C1193) CC 84-7     Capacity, XPR Ceramic, 2507     1266     STD     STD       3     CC 1011     TDO     Capacity, XPR Ceramic, 257     6603     STD     STD       4     C173     TD     Capacity, XPR Ceramic, 267     6603     STD     STD       5     Cell (103 C109     Capacity, XPR Ceramic, 267     6603     STD     STD       1     C73     TD     Capacity, XPR Ceramic, 167     6603     STD     STD       1     C88     TD     Capacity, XPR Ceramic, 167     6603     STD     STD       1     C88     TD     Capacity, XPR Ceramic, 1697     6603     STD     STD       1     C88     TD     Capacity, XPR Ceramic, 1697     6603     STD     STD       1     C89     FD     Capacity, XPR Ceramic, 1697     6603     STD     STD	8		22n	Capacitor, X7R Ceramic, 25V	0603	STD	STD
6     CH4     1u     Capacitor, XTR Ceramic, 16V     0055     STD     STD       2     CG2 C65     CT     CG2 C65     STD     STD     STD       2     CG2 C65     CF     SG     STD     STD     STD       3     CG2 C65     CF     CG2 C65     STD     STD     STD       4     CT111114     1000     Capacitor, XTR Ceramic, 50V     0003     STD     STD       1     C73     In     Capacitor, XTR Ceramic, 50V     0003     STD     STD       1     C74     B2p     Capacitor, CG2 Carame, 16V     0063     STD     STD       1     C76     B2p     Capacitor, CG2 Carame, 16V     0063     STD     STD       1     C68     100     Capacitor, XTR Carame, 16V     0055     STD     STD     STD       1     C68     100     Capacitor, XTR Carame, 16V     0063     STD     STD     STD       1     C68     C19     47     Capacitor, XTR Carame, 16V     0063     STD					1		
2     GR 056     100     Capacity, XPR Cananie, 2007, 20%     1206     STD     STD       C68 026 C24-52     C68 056 C24-86     C78 052-455 C24     C69 066 C24-86     STD     STD     STD       C78 052-455 C36     C78 052-455 C36     C78 052-455 C36     STD     STD     STD       0     C111 C114     106     Capacity, XPR Cananie, 507     0603     STD     STD       1     C74     629     Capacity, XPR Cananie, 507     0603     STD     STD       1     C74     629     Capacity, XPR Cananie, 16V     0603     STD     STD       1     C78     620     Capacity, XPR Cananie, 16V     0603     STD     STD       1     C68     C04     Capacity, Landed, 6X9, [5%]     0.177 X 0.287 mm, MKS 2     Wima       1     C68     T00     Capacity, Landed, 6X9, [5%]     0.177 X 0.287 mm, MKS 2     Wima       2     C68     T00     Capacity, Landed, 6X9, [5%]     0.177 X 0.287 mm, MKS 2     Wima       2     C68     T01     Capacity, Landed, 6X9, [5%]     0.177	5		1u	Capacitor, X7R Ceramic, 16V	0805	STD	STD
CBB, C72, C75, C128, 55, C73, S68, C76, C628, 27, C73, C128, 55, C74, S78, C76, C628, C74, S78, C76, C76, C73, C109     Capacitor, X7R Ceramic, 29V     0603     STD     STD       1     C77, 11, 16     Capacitor, X7R Ceramic, 29V     0603     STD     STD       1     C77, 11, 16     Capacitor, X7R Ceramic, 16V     0603     STD     STD       1     C77, 11, 16     Capacitor, X7R Ceramic, 16V     0603     STD     STD       1     C88     TO     Capacitor, X7R Ceramic, 16V     0603     STD     STD       1     C88     TO     Capacitor, X7R Ceramic, 16V     0603     STD     STD       1     C88     TO     Capacitor, X7R Ceramic, 16V     0605     STD     STD       1     C89     TO     Capacitor, X7R Ceramic, 16V     0605     STD     STD       2     C90 C79     47n     Capacitor, X7R Ceramic, 16V     0605     STD     STD       1     C69     D40     Capacitor, X7R Ceramic, 16V     0605     STD     STD       1     C69     C69     A7n     Capacitor, X7R Cer							
C19-20 C26-27     CSS 65 C7-68     CSS 66 C7-68     CSS 67 C7-58     CSS 67 C7-58     CSS 70     CSS 70     STD							
CS2-55 CS7-58     CS2-55 CS7-58     CS2-55 CS7-58     CS2-55 CS7-58       CS2-55 CS7-58     CS2-55 CS7-58     CS2-55 CS7-58     STD     STD       1     C73-11     1     CG2-55 CS7-58     STD     STD       1     C73-14     1     Capacitor, X7R Caranic, 54V     0603     STD     STD       1     C73     B20-5     Capacitor, X7R Caranic, 54V     0603     STD     STD       1     C76     B20-5     Capacitor, X7R Caranic, 54V     0603     STD     STD       1     C88     100     Capacitor, X7R Caranic, 16V     0605     STD     STD       1     C88     100     Capacitor, X7R Caranic, 16V     0605     STD     STD       2     C80 C79     47n     Capacitor, X7R Caranic, 16V     0605     STD     STD       3     C89-69 C10+105     A7n     Capacitor, X7R Caranic, 16V     0605     STD     STD       4     C89-69 C10+105     A7n     Capacitor, X7R Caranic, 16V     0605     STD     STD       5     D10-5							
Cell 266, C67-68, CM C 203 C10     Construction							
CTR G22-83.06B     Capacities XR Commit, 250     063     STD     STD       6     C111 C114     100     Capacities XR Commit, 250     0603     STD     STD       1     C76     820     Capacities XR Commit, 597     0603     STD     STD       1     C76     820     Capacities XR Commit, 597     0603     STD     STD       1     C86     10n     Capacities, XR Commit, 597     0603     STD     STD       1     C86     10n     Capacities, XR Commit, 597     0603     STD     STD       1     C86     10n     Capacities, XR Commit, 697     0603     STD     STD       1     C89     100n     Capacities, XR Commit, 697     0605     STD     STD       2     C80     C79     Capacities, XR Commit, 697     0603     STD     STD       3     D12-501-31     MKSD1471     Dodd, Stotties, 776     Camacities, 776     Capacities, 777 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Cont Clos Crisp     Control Crisp     Contro							
6     C111 C114     100n     Capacity, XR Carmin, SV     0603     STD     STD       1     C73     1n     Capacity, C05 Carmin, ISV     0603     STD     STD       1     C76     S20     Capacity, C05 Carmin, ISV     0603     STD     STD       1     C68     100p     Capacity, C05 Carmin, ISV     0603     STD     STD       1     C68     100p     Capacity, C05 Carmin, ISV     0603     STD     STD       1     C68     0.0P     Capacity, C76 Carmin, ISV     0605     STD     STD       1     C68     0.0P     Capacity, C76 Carmin, ISV     0605     STD     STD       1     C68     C79     47     Capacity, Carmin, ISV     0603     STD     STD       1     C67     1n     Capacity, Carmin, ISV     0603     STD     STD     STD       1     C67     1n     Capacity, C76 Carmin, ISV     0603     STD     STD     STD       1     C67     1n     Capacity, C76 Carmin, ISV							
1     Cr3     1n     Capacity, XP Ceramic, 6V     6603     STD     STD       1     Cr4     BZD     Capacity, COG Ceramic, 16V     6603     STD     STD       1     CR8     BZD     Capacity, COG Ceramic, 16V     6603     STD     STD       1     CR8     100     Capacity, CR7 Ceramic, 16V     6603     STD     STD       1     CR6     100     Capacity, CR7 Ceramic, 16V     6605     STD     STD       1     CR6     DNP     Capacity, Laaded, 65V, [5%]     0.177 x 0.287 inch MKS 2     Wima       2     CR0 Cr9     470     Capacity, Laaded, 65V, [5%]     0.177 x 0.287 inch MKS 2     Wima       2     CR0 Cr9     470     Capacity, CR7 Ceramic, 16V     6603     STD     STD       3     TD     17     CR8     470p     Capacity, CR7 Ceramic, 16V     6603     STD     STD       1     CR8     470p     Capacity, CR7 Ceramic, 16V     6603     STD     STD       1     CR8     100n     Capacity, CR7 Ceramic, 16V	~		1005	Consister VZB Coromia 251/	0602	STD.	etd.
1     C74     B2p     Capacitor, CRC Geramic, 16V     6063     STD     STD       1     C76     B2D     Capacitor, CRC Geramic, 16V     6063     STD     STD       1     C81     100p     Capacitor, CRC Geramic, 16V     6063     STD     STD       1     C81     100p     Capacitor, XRC Geramic, 16V     6063     STD     STD       1     C86     DNP     Capacitor, XRC Geramic, 16V     6063     STD     STD       1     C88     DNP     Capacitor, Lasded, 63V, [5%]     D.177 s 0.287 inch     MKS 2     Wima       1     C89     T00n     Capacitor, Lasded, 63V, [5%]     D.177 s 0.287 inch     MKS 2     Wima       1     C82     74     Capacitor, Carame XR, 50V, 410%     1063     STD     STD       1     C89     100n     Capacitor, Carame XR, 50V, 410%     1063     STD     STD       1     C69     100n     Capacitor, Carame XR, 50V, 410%     1063     STD     STD       1     C59     1000n     Capacitor, KR Gera	6						
1     CR8     BXDp     Capacitor, COC Gramic, 16V     D603     STD     STD       1     C68     100p     Capacitor, CAC Geramic, 16V     D603     STD     STD       1     C68     100n     Capacitor, CAR Geramic, 16V     D6065     STD     STD       1     C68     DMP     Capacitor, CAR Geramic, 16V     D6067     STD     STD       1     C69     DMP     Capacitor, CAR Geramic, 16V     D6075     STD     STD       2     C69     C79     47n     Capacitor, CAR Geramic, 16V     D605     STD     STD       4     C58-56 C104-105     47n     Capacitor, CAR Geramic, 16V     D603     STD     STD       1     C67     1n     Capacitor, CAG Geramic, 16V     D603     STD     STD       1     C67     1n     Capacitor, CAG Geramic, 16V     D6063     STD     STD       1     C77     1n     Capacitor, CAG Geramic, 16V     D605     STD     STD       1     C77     LED, Rodd, LED, Redd, L-V, 20mA, Emod     D6	1						
1     C80     2.2n     Capacitor, XPC Geramic, 16V     0603     STD     STD       1     C64     100,     Capacitor, XPC Geramic, 16V     0603     STD     STD       1     C67     DNP     Capacitor, XPC Geramic, 16V     0805     STD     STD       1     C67     DNP     Capacitor, Landed, 63V, [5%]     0.177 A 0.287 not     MKS 2     Wina       1     C68     DNP     Capacitor, Landed, 63V, [5%]     0.177 A 0.287 not     MKS 2     Wina       1     C68     C79     DN     Capacitor, KPC Geramic, 16V     0.697 A 0.287 not     MKS 2     Wina       1     C68     ATOp     Capacitor, KPC Geramic, 16V     0.603     STD     STD       1     C58     4TOp     Capacitor, KPC Geramic, 16V     0.603     STD     STD       2     D14 D16     STP1150A     Dots, Schotty, VA, 200-nA, 225-mW,     SDD-123     MKD5014T1     Dobck, Schotty, VA							
1     C81     100p     Capacitor, ZOC Ceramic, 16V     0603     STD     STD       1     C65     10h     Capacitor, XTR Ceramic, 16V     0605     STD     STD       1     C68     DNP     Capacitor, XTR Ceramic, 16V     0605     STD     STD       1     C68     DNP     Capacitor, Lased, 65N, (5%)     0.177 x 0.297 nch     MKS 2     Wima       1     C68     DNP     Capacitor, Lased, 65N, (5%)     0.177 x 0.297 nch     MKS 2     Wima       1     C687     DNP     Capacitor, Cold Ceramic, 16V     0605     STD     STD       1     C697     In     Capacitor, C03 Ceramic, 16V     0603     STD     STD       1     C698     A70p     Capacitor, C03 Ceramic, 16V     0603     STD     STD       1     C698     1013     MMSD1471     Dicdo, Switching, 100-V, 200-MA, 225-mV,     0603     STD     STD       1     C698     1017     Dicdo, Switching, 100-V, 200-MA, 225-mV,     0603     STD     STD       1     D24							
1     C85     10n     Capacitor, XTR Caramic, 16V     0805     STD     STD       1     C87     DNP     Capacitor, Laeded, 63V, [5%]     0.177 x 0.237 ncl. MKS 2     Wima       2     C88 C19     A7n     Capacitor, Laeded, 63V, [5%]     0.177 x 0.237 ncl. MKS 2     Wima       2     C88 C19     A7n     Capacitor, Laeded, 63V, [5%]     0.177 x 0.237 ncl. MKS 2     Wima       4     C89 66 C104-105     A7n     Capacitor, XTR Caramic, 16V     0603     STD     STD       1     C68     A70     Capacitor, XTR Caramic, 16V     0603     STD     STD       1     C68     A70     Capacitor, XTR Caramic, 10V     0603     STD     STD       1     C69     100n     Capacitor, XTR Caramic, 10V, 200°A, 225°MW,     SDD-123     MKSD91411     On Semil       2     D14 D16     STPS1150A     Dido, Schotting, 100 V, 200°A, 225°MV,     SD173     STD     STD       3     D22 D2 D20 B4     PARDEQ     Parked, Subting, 100 V, 200°A, 225°MV,     SD173     STD     STD       3     D22 D2 D20 B4							
1     C87     DNP     Capacity, Layde, GS, VI, (5%)     D077 x 0.237 mch     MKS 2     Wina       1     C68     DNP     Capacitor, Lasded, GS, VI, (5%)     0.77 x 0.237 mch     MKS 2     Wina       2     C59 C79     47n     Capacitor, XR Ceram, 16V     0603     STD     STD       1     C52     Zu2     Capacitor, XR Ceram, 16V     0603     STD     STD       4     C65+66 C104-106     47.0     Capacitor, XR Ceram, 16V     0603     STD     STD       4     C65+66 C104-106     47.0     Capacitor, XR Ceram, 16V     0603     STD     STD       1     C69     100n     Capacitor, XR Ceram, 16V     0603     STD     STD       2     D14 D16     STFS1150A     Diode, Schotty, 14, 150V     SMA     STT5 C190CKT     Lile On       1     D17     LED, RED     Diode, LB2, Red, 14, 20V mA, 20V-M     SDT2     BAT54A     ST       1     D12     ST23 D2     EAT54A     Diode, Dual Schotty, 200-mA, 20V-     SDT23     BAT54A     ST       3	1						
1     C88     DNP     Capacitor, Leaded, 53V, [5%]     D.177 x 0.287 inch     MKS 2     Wima       2     C90 C79     47n     Capacitor, X7R Ceramic, 16V     0603     STD     STD       4     C95-69 C14-105     47.0     Capacitor, X7R Ceramic, 16V     0803     STD     STD       4     C95-69 C14-105     47.0     Capacitor, X7R Ceramic, 16V     0803     STD     STD       1     C39     470p     Capacitor, Creamic, 16V     0803     STD     STD       1     C39     470p     Capacitor, COS Ceramic, 16V     0803     STD     STD       1     C49     470p     Cos Ceramic, 16V     0803     STD     STD       2     D14 D16     STPS1150A     Dide, Stending, A, 150V     SMA     STPS1150A     STC       3     D24 D25 D25     HW02028     Dided, Lilla Fast Retifier, 3A, 150V     SMA     STP1-10C/tDC     Hilachi       2     D27 D2 D35     HSV20228     Dided, Did Schottly, 200-mA, 30-V     SOT23     BAT54A     Vichay-Liteo n       3     D24	1	C85	10n	Capacitor, X7R Ceramic, 16V	0805	STD	STD
1     C89     100n     Capacitor, XR Ceramic, 16V     0603     STD     STD       1     C59     2/2     2/2     Capacitor, XR Ceramic, 16V     0603     STD     STD       1     C59     C14/105     XTU     Capacitor, XR Ceramic, 16V     0603     STD     STD       1     C59     C14/105     XTU     Capacitor, XR Ceramic, 16V     0603     STD     STD       1     C59     C14/105     STD     STD     STD     STD       1     C59     C14/105     STD     STD     STD     STD       2     D14     D16     STSP1150A     ST     STD     STD       2     D14     D16     STSP1150A     ST     STD     STD       3     D22     D25     D1604     SSO     SOT     SST     HRW0202B     Hiachi       1     D2     ES3C     Dode, Dual Schottiny, 200-rA, 20-V     SOT23     BATS4A     STG     SSTA       3     D24     D173     BATS4A     D	1	C87	DNP	Capacitor, X7R Ceramic, 16V	0805	STD	STD
2     C99 C79     47n     Capacitor, XR Ceramic, 16V     0603     STD     STD       4     C35-96 C10-105     A.Yu     Capacitor, XR Ceramic, 16V     0803     STD     STD       1     C97     1     Capacitor, XR Ceramic, 16V     0803     STD     STD       1     C98     470p     Capacitor, XR Ceramic, 16V     0803     STD     STD       1     C99     10     MASD 1411     Dode     StD     STD       1     C99     5010-13     MMSD 1411     Dode     StD     STD       1     C19     D10-16     Dode     StD     StD     StD       1     D17     ED RED     Dode, LED Red, LV, 20mA, 20vV     SOT23     BAT54A     Dode, Duil Schotty, 200-mA, 30v     SOT23     BAT54A     Vishay-Liteon       3     D42 D2 D25     HW0202B     Dode, Duil Schotty, 300-mA, 30v     SOT33     BAT54A     Vishay-Liteon       2     D27.28     TS1448RY     TakeNetifier, 34, 150'/     SOT4.38     BCMS18     Philips       2 <td< td=""><td>1</td><td>C88</td><td>DNP</td><td>Capacitor, Leaded, 63V, [5%]</td><td>0.177 x 0.287 inch</td><td>MKS 2</td><td>Wima</td></td<>	1	C88	DNP	Capacitor, Leaded, 63V, [5%]	0.177 x 0.287 inch	MKS 2	Wima
2     C99 C79     47n     Capacitor, XR Ceramic, 16V     0603     STD     STD       4     C35-96 C10-105     A.Yu     Capacitor, XR Ceramic, 16V     0803     STD     STD       1     C97     1     Capacitor, XR Ceramic, 16V     0803     STD     STD       1     C98     470p     Capacitor, XR Ceramic, 16V     0803     STD     STD       1     C99     10     MASD 1411     Dode     StD     STD       1     C99     5010-13     MMSD 1411     Dode     StD     STD       1     C19     D10-16     Dode     StD     StD     StD       1     D17     ED RED     Dode, LED Red, LV, 20mA, 20vV     SOT23     BAT54A     Dode, Duil Schotty, 200-mA, 30v     SOT23     BAT54A     Vishay-Liteon       3     D42 D2 D25     HW0202B     Dode, Duil Schotty, 300-mA, 30v     SOT33     BAT54A     Vishay-Liteon       2     D27.28     TS1448RY     TakeNetifier, 34, 150'/     SOT4.38     BCMS18     Philips       2 <td< td=""><td>1</td><td>C89</td><td>100n</td><td>Capacitor, Leaded, 63V, [5%]</td><td>0.177 x 0.287 inch</td><td>MKS 2</td><td>Wima</td></td<>	1	C89	100n	Capacitor, Leaded, 63V, [5%]	0.177 x 0.287 inch	MKS 2	Wima
1     C92     2.02     Capacitor, XRR Ceramic, 16V     0806     STD     STD       1     C95-96 C104-105     Aru     Capacitor, XRR Ceramic, 16V     0603     STD     STD       1     C95     MC     Capacitor, XRR Ceramic, 16V     0603     STD     STD       1     C98     470p     Capacitor, XRR Ceramic, 16V     0603     STD     STD       1     C97     106n     Capacitor, XRR Ceramic, 16V     0603     STD     STD       2     D14 D16     STP51150A     Dide, Switching, 14, 150V     SMA     STP51150A     ST       2     D14 D16     STP51150A     Dide, LED, Red, 21-X, 26-mA, 46-md     0603     LTST-CORCH     Hindchin       4     D16 D21 D23 D5     HNV0202B     Didee, LED, Red, 21-X, 26-mA, 46-md     SOT23     HNV0202B     Hindchin       3     D24 D19 D33     BATS4A     Dide, LED, Red, 21-X, 26-mA, 40-V     SOT23     HNV0202B     Hindchin       2     D30 D32     SATS4A     Dide, Hispenci LEO-MA, 10V, 500mV     60123     BATS4C     Nesmin	2	C90 C79	47n		0603	STD	STD
4     C95-96 C104-105     4.7u     Capacitor, XPR cerranic, 16V     0603     STD     STD       1     C97     1n     Capacitor, XPR cerranic, 16V     0603     STD     STD       1     C99     100n     Capacitor, XPR cerranic, 10V, 20%     0805     STD     STD       8     D13-5 D11-31     MMSD914T1     Duode, Schtty, 14, 150V     SMA     STFS1150A     STT       2     D14 D16     STFS1150A     Duode, SLED, Red, 21-V, 20-mA, 6-mcd     0603     LTST-C190CKT     Lie On       1     D17     LED RED     Duode, Dual Schtty, 20-mA, 6-mcd     0603     STD     STC       3     D22 D26 D34     BAT54A     Duode, Dual Schtty, 20-mA, 30-V     SOT23     BAT54A     ST       3     D24 D19 D33     BAT54A     Duode, Hard Schtty, 300-mA, 30-V     SOT23     BAT54A     ST       2     D30 D32     SSRPH0     Duode, Hard Schtty, 300-mA, 30-V     SOT23     BAT54A     ST       1     D26     BAT54A     Duode, Hard Schtty, 300-mA, 20-mW,     020-33     BAT54A     ST	1	C92			0805	STD	STD
1     C97     In     Capacitor, X7R Geramic, 16V     0603     STD     STD       1     C99     170p     Capacitor, X7R Geramic, 10V, 20V     0805     STD     STD       2     D1 D3-5 D10-13     MMSD914T1     Dode, Sixthing, 100-V, 200-rnA, 225-mW,     SOD-123     MMSD914T1     On Semil       1     D17     LED, RED     Dode, LED, Red, 21-V, 20-mA, 6-mod     0603     LTST-C190CKT     Like On       4     D18 D21 D23 D25     HRW0202B     Dode, LED, Red, Redfiler, 30, 4V     SOT23     HRW1202B     Hilach       1     D12     ES3C     Dode, LED, Red, Redfiler, 30, 4V     SOT23     BAT54A     ST       3     D22 D25 D34     BAT54A     Dode, Duil Schottiy, 300-M, 30-V     SOT23     BAT54C     Vishay-Liteon       2     D27-28     TS4148RY     Diode, Migh Current, Barrier Schotty, 90V, 8A     TO-2774(SMPC)     SSBPH9     Vishay       2     D35     MMDU1314T1     Diode, Sixthing, 10-V, 20-mA, 20-mW,     SOD-123     MBR0502L     Fairkid       3     J1-2 J6     ED12/202D     Diode, Sixthing, 20-m, 15-A, 5.mm	4						
1     C98     470p     Capacitor, C0G Ceramic, 19V     0683     STD     STD       8     D1 D3-5 D10-13     MMSD914T1     Dode, Schutty, 14, 150V     SMA     STD     STD       2     D14 D16     STFS1150A     D10de, Schutty, 14, 150V     SMA     STFS1150A     ST       1     D17     LED, RED     Diode, Schutty, 14, 150V     SMA     STFS1150A     ST       1     D17     LED, RED     Diode, LUI, A Fast Rectifier, 3A, 150V     SMC     ESSC     On Semi       3     D22 D26 D34     BAT54A     Diode, Dual Schutty, 300-rA, 30-V     SOT23     BAT54A     ST       2     D27.28     TS4148RY     Trans, Dual NChan, 45V, 100 rA     SOT-143B     BCM61B     Philips       2     D30 D32     SSRPH9     Diode, Hig, Greer, 500-00V     SOT-143B     BCM61B     Philips       2     D31 D35     MMDL31411     Diode, Schutty, 050-rA, 200-rM, 200							
1     C99     100n     Capacitor, X7R. Ceramic, 100V, 20%     0005     STD     STD       8     D103-5 D10-13     MMSD91411     On Semilar     SMA     STP51150A     ST       1     D17     LED, RED     Diode, Schottky, 1A, 150V     SMA     STP51150A     ST       4     D18 D21 D23 D25     HRW0202B     Diode, LED, RED     Diode, UC Red, 2.1-V, 20-mA, 4-mcd     0603     LTST-C190/CK     Life On       4     D18 D21 D23 D25     HRW0202B     Hitachi     STC     STC     MMSD91411       1     D2     ES3C     Diode, Utal SR Rectifier, 3A, 150V     SMC     ES3C     On Satistical Statistical St	1						
8     D1 D3-5 D10-13     MMSD91411     Diode, Switching, 100-V, 200-mA, 225-mW,     SDD-123     MMSD91411     On Semi       2     D1 D16     STFS1150A     ST     S							
2     D14 D16     STP51150A     Dade, LED, RED     Dade, LED, Red, 2.1-V, 2.0+nA, 6-mod     9603     LTST-C190KT     Lite On       4     D18 D21 D23 D25     HRW0202B     Dode, Ual Schottky, 200-mA, 20-V     SOT23     HRW0202B     Htachi       3     D22 D25 D34     BAT54A     Dode, Uira Fast Rectifier, 34, 150V     SMC     ES3C     On Semi       3     D24 D19 D33     BAT54A     Dode, Uira Fast Rectifier, 34, 150V     SOT23     BAT54C     Vishay-Liteon       2     D27-28     T54148RY     Dode, Hich Schottky, 200-mA, 30-V     SOT23     BAT54C     Vishay-Liteon       2     D27-28     T54148RY     Dode, Hich Current, Barrier Schottky, 90V, 8A     T0-2774[SMPC]     SSBFH9     Vishay       2     D31 D35     MMDL9141T     Dode, Schottky, 05A, 20V     SOD-223     MMDL9141T     On Semi       3     J1-2.16     ED120/2D5     Terminal Block, 2-pin, 6-A, 5.1mm     0.49 x 0.35 inch     ED55/2D5     OST       3     J1-2.16     ED120/2D5     Terminal Block, 2-pin, 6-A, 5.3mm     0.27 x 0.25 inch     ED55/2D5     OST       4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
1     D17     LED_RED     Dide, LED_Red_2.1-V, 20-mA, 6-mod     0603     LTST-C190CKT     Lue On       4     D16 D2 D125 205     BKN00202     Hitachi     None, 20-V     SOT23     HRW00228     Hitachi       3     D22 D26 D34     BAT54A     Dide, Dual Schottky, 200-mA, 30-V     SOT23     BAT54A     Nshaw, 20-V       2     D27-28     TS4148RY     Takana, 56-Nonk, 30-V     SOT23     BAT54A     Nshaw, 20-V       2     D27-28     TS4148RY     Dide, High-geed, 150-rA, 100V, 500rW     0805     TS4148RY     Takana, Seniconductor       1     D29     BCM61B     Trans, Dual MChan, 45V, 100 mA     SOT-143B     BCM61B     Philips       2     D31 D35     MMDL914T1     Dide, Switching, 100-V, 200-rmA, 200-W     SOD-123     MMDL914T1     On semi       3     J1-2.46     ED120/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.49 x 0.35 inch     ED120/2DS     OST       3     J1-2.46     ED120/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.49 x 0.35 inch     ED30/2DS     OST       1     L2     1 biu     In							
4     D18 D21 D23 D25     HRW0202B     Dode, Dura Schottky, 200-mÅ, 20-V     SOT23     HRW0202B     Httachi       1     D2     ES3C     Dode, Uira Fast Rectifice, 34, 150V     SMC     ES3C     On Semi       3     D22 D26 D34     BAT54A     Dode, Dual Schottky, 300-mÅ, 30-V     SOT23     BAT54C     Vishay-Liteon       2     D27-28     T54148RY     Dode, Hi-Speed, 150-mÅ, 100V, 500mW     0805     T54148RY     Taiwan Semiconductor       1     D23P     BCM61B     Trains, Dau Alchan, 45V, 100 mÅ     SOT-143B     BCM61B     Philips       2     D31 D35     MMDL9141T     Dode, Schottky, 05A, 20V     SOD-232     MMDL9141T     Dofesmin       3     UF2-86     ED1202D5     Teminal Block, 2-pin, 6-A, 5.mm     0.40 x 0.35 inch     ED55/2D5     ST       1     L1     1.90     Inductor, Power Choke, 20%     186.2 x 18.3 nm     744356190     WE       1     L3     3.7u     Inductor, Power Choke, 20%     186.2 x 18.3 nm     744356190     WE       1     L3     3.7u     Inductor, Power Choke, 20%     182.4							
1     D2     ES3C     Diode, Ultra Fast Recritter, 3A, 150V     SMC     ES3C     On Semi       3     D22 D26 D34     BAT54A     Diode, Dual Schotty, 200-mA, 30-V     SOT23     BAT54A     ST       3     D24 D19 D33     BAT54C     Diode, Dual Schotty, 200-mA, 30-V     SOT23     BAT54A     ST       2     D27-28     TS4148PV     Tiawan Semiconductor     10805     TS4144PV     Tiawan Semiconductor       1     D29     BCM61B     Trans, Dual NChan, 45V, 100 mA     SOT23     BCM61B     Philips       2     D30 D32     SSBPH0     Diode, Might Ourset, Santty, 9V, 8A     TO-2774/RMCI SSEPH9     Vinhary       3     J1-2.3 &     ED1202/D3     Terminal Block, 2pin, 15-A, 5 1mm     0.40 x 0.35 inch     ED1202/D5     GST       3     J1-2.4 &     ED1505/2D3     Terminal Block, 2pin, 15-A, 5 1mm     0.27 x 0.25 inch     ED555/2DS     GST       1     L1     1.9u     Inductor, Power Choke, 20%     18.2 x 18.3 mm     744355/130     WE       1     L3     3.7u     Inductor, Power Choke, 20%     18.2 x 18.3 mm							
3     D22 D26 D34     BAT54A     Diode, Dual Schotty, 200-mA, 30-V     SOT23     BAT54C     Virbary-Liteon       2     D27-28     TS4148PY     Diode, Dual Schotty, 200-mA, 30-V     SOT23     BAT54C     Virbary-Liteon       1     D29     BCM61B     Trans, Dual NChan, 45V, 100 mA     SOT14138     ECM61B     Philips       2     D30 D32     SS8PH9     Diode, High Current, Barrier Schotty, 30V, 8A     TO-277A[SMPC]     SS8PH9     Vishay       2     D31 D35     MMDL914T1     Diode, Switching, 100-V, 200-mA, 200-W     SOD-123     MBR0520L     Farichild       3     J1-2.16     ED120/2DS     Terminal Block, 2-pin, 6-A, 5.fmm     0.47 x 0.25 inch     ED555/2DS     OST       1     L1     1.9u     Inductor, Power Choke, 20%     18.2 x 18.3 mm     P443551370     WE       1     L2     18uH     Inductor, Power Choke, 20%     18.2 x 18.3 mm     P443551370     WE       1     L3     3.7u     Inductor, Power Choke, 20%     18.2 x 18.3 mm     P443551370     WE       1     L4     15u     Inductor, Power Choke, 20% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
3     D24 D19 D33     BAT54C     Diode, Dual Schottky, 20-mA, 30-V     SOT23     BAT54C     Vishay-Liteon       2     D27-28     TS4148RY     Diode, HS-Speed, 150-mA, 40V, 500mW     0005     TS4144RY     Taiwa Remiconductor       1     D28     BC/M61B     Trans, Dual NChan, 45V, 100 mA     SOT-143B     BC/M61B     Philips       2     D31 D35     MMDL914T1     Diode, Switching, 100-V, 200-mA, 200-mW,     SOD-323     MMDL914T11     On Semi       4     D6-9     MBR0520L     Diode, Schottky, 0.5A, 20V     SOD-123     MMDL914T11     On Semi       3     J1-2 J6     ED120/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.27 x 0.25 inch     ED555/2DS     OST       1     L1     1.9u     Inductor, 20%     28/26 mm     PC1096.183.NL, Pulse     PUIse       1     L2     18/H1     Inductor, Power Choke, 20%     12.80 x 18.3 mm     7443561700     WE       1     L3     3.7u     Inductor, Power Choke, 20%     12.80 x 18.3 mm     7443561700     WE       1     L3     3.7u     Inductor, Power Choke, 20% <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
2     D27-28     T54148RY     Diode, Hi-Speed, 150-mA, 100V, 500mW     De05     T54148RY     Taiwan Semiconductor       1     D29     BCM61B     Trans, Dual NChan, 45V, 100 mA     SDT-143B     BCM61B     Philips       2     D30 D32     SS8PH9     Diode, Fwitching, 100-V, 200-mA, 200-mA, 200-mW,     SDD-323     MMDL914T1     On Semi       4     D6-9     MBR0520L     Diode, Schottky, 0.5A, 20V     SDD-423     MMBC914T1     On Semi       3     J1-2 J6     ED15202DS     Terminal Block, 2.pn, 15-A, 5.1mm     0.40 x 0.35 inch     ED1202DS     OST       1     L4     1.9u     Inductor, Power Chocke, 4.20%     18.2 x 18.3 mm     7443556190     WE       1     L2     18uH     Inductor, Power Chocke, 420%     18.2 x 18.3 mm     744355170     WE       1     L4     15u     Inductor, Power Chocke, 420%     18.2 x 18.3 mm     74435571500     WE       4     G1-2 Q11-12     3904     Bipolar, NPN, 40-V, 200-mA     SDT23     PM020     Diodes       2     Q18-19     BSC123N08NS3     MOSFET, NChan, 80V, 733, MS mm							
1     D29     BCM61B     Trans. Dual MChan, 45V, 100 mA     SOT-143B     BCM61B     Philips       2     D30 D32     SS8PH9     Dide, Lingh Current Barrier Schotty, 90V, 8A     TO-2774(SMPC)     SS8PH9     Vishay       2     D31 D35     MMDL914T1     Dide, Switching, 100-V, 200-mA, 200-mW,     SOD-323     MMDL914T1     On Semi       4     D6-9     MBR0520L     Terminal Block, 2-pin, 15-A, 5.1mm     0.40 x 0.35 inch     ED120/2DS     OST       2     J4-5     ED555/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.27 x 0.25 inch     ED555/2DS     OST       1     L1     1.9u     Inductor, Power Choke, 220%     18.2x 18.3 mm     74435571500     WE       1     L3     3.7u     Inductor, Power Choke, 220%     18.2x 18.3 mm     74435571500     WE       1     L4     15u     Inductor, Power Choke, 220%     18.2x 18.3 mm     74435571500     WE       1     C17     2N7002     MOSFET, N-ch, 60-V, 115-mA, 12-Ohms     SOT23     2N7002     Diodes       2     O18-19     BSC0123N08NS3     MOSFET, N-ch, 60-V, 13-ma, 80V							
2     D30 D32     SS8PH9     Diode, High Current, Barrier Schottky, 90V, 8A     TO-277A[SMPC]     SS8PH9     Visitay       2     D31 D35     MMDL914T1     Diode, Schottky, 0.20-mA, 200-mW,     SOD-323     MMDL914T1     On Semi       4     D6-9     MBR0520L     Diode, Schottky, 0.5A, 20V     SOD-123     MBR0520L     Fairchild       3     J1-2.J6     ED120/2DS     Terminal Block, 2-pin, 15-A, 5.1mm     0.40 x 0.35 inch     ED120/2DS     OST       1     L1     1.9u     Inductor, Power Choke, 4.20%     18.2 x 18.3 mm     7443556190     WE       1     L2     18uH     Inductor, Power Choke, 4.20%     18.2 x 18.3 mm     7443551370     WE       1     L3     3.7u     Inductor, Power Choke, 4.20%     18.2 x 18.3 mm     7443551370     WE       2     Q18-19     BSC123MOBN33     MOSFET, Nch.60-V, 115-mA, 1.2.0hms     SOT23     2M7002     Diodes       2     Q18-19     BSC123MOBN33     MOSFET, Nch.an, 80V, 123 millohm     PWRPAK S0-8     BSC123MOBN33     Infineon       4     Q3-4 Q13-14     BSC057NOBNS3 G MOSFET, Nchan, 80V,							
2     D31 D35     MMDL914T1     Diode, Switching, 100-V, 200-mA, 200-mW,     SOD-323     MMDL914T1     On Semi       4     D6-9     MBR0520L     Diode, Schottky, 0.5A, 20V     SOD-123     MBR0520L     Finicial Block, 2-pin, 15-A, 5.1mm     0.40 x 0.35 inch     ED120/2DS     OST       2     J4-5     ED55/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.27 x 0.25 inch     ED55/2DS     OST       1     L1     1.9u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     7443556190     WE       1     L3     3.7u     Inductor, Power Choke, ±20%     12.80x 13.2 mm     744355170     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     744355170     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     744355170     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     744355170     WE       2     Q18-19     BSC123008NS3     MOSFET, NChan, 80V, 123 millohm     PWRPAK S0-8     BSC123008NS3 G     Infineon       2							
4     D6-9     MBR0520L     Dide, Schottky, 0.5A, 20V     SDD-123     MBR0520L     Fairchild       3     J1-2.46     ED120/2DS     Terminal Block, 2-pin, 15-A, 3.5mm     0.47 x 0.25 inch     ED55/2DS     OST       2     J4-5     ED555/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.27 x 0.25 inch     ED555/2DS     OST       1     L1     1.9u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     7443551370     WE       1     L2     18uH     Inductor, Power Choke, ±20%     12.80x 13.2 mm     7443551370     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     7443551370     WE       4     O1-2 O11-12     3904     Bjolar, NPN, 40-V, 200-mA     SOT23     MMBT3904LTIG     STD       2     O18-19     BSC123N08NS3     MOSFET, NChan, 80V, 123 millohm     PVRPAK S0-8     BSC123N08NS3     Infineon       4     O3-4 G13-14     BSC360N15NS3 G MOSFET, NChan, 80V, 123 millohm     PVRPAK S0-8     BSC123N08NS3     Infineon       4     O3-6 G15-16     3906     Bjolar, PNP, -40-V, 200-mA     <							
3     J1-2.46     ED120/2DS     Terminal Block, 2-pin, 15-A, 3.5mm     0.47 x 0.25 inch     ED55/2DS     OST       2     J4-5     ED555/2DS     Terminal Block, 2-pin, 6-A, 3.5mm     0.27 x 0.25 inch     ED555/2DS     OST       1     L1     1.9U     Inductor, Power Choke, ±20%     18.2 x 18.3 nm     7443551370     WE       1     L3     3.7u     Inductor, Power Choke, ±20%     18.2 x 18.3 nm     7443551370     WE       4     O1-2 O11-12     3904     Bipolar, NPN, 40-V, 200-mA     SOT23     MMBT3904LT1G     STD       1     O17     2N7002     Bipolar, NPN, 40-V, 200-mA     SOT23     2N7002     Diodes       2     O18-19     BSC123N08NS3     MOSFET, Nchan, 80V, 123 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     O3-4 O13-14     BSC057N08NS3 G     MOSFET, Nchan, 80V, 57 millohm     PWRPAK S0-8     BSC37N08NS3 G     Infineon       4     O5-6 O15-16     3906     Bipolar, PNP, -40-V, 200-mA     SOT23     MMBT3906LT1G     STD       2     O8, Q9-10 Q7     BSC360N15NS3 G     Infineon							
2     J4-5     ED555/2DS     Terminal Block, 2-pin, 6-A, 35mm     0.27 x 0.25 inch     ED555/2DS     OST       1     L1     1.9u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     7443556190     WE       1     L2     18.0H     Inductor, Power Choke, ±20%     12.80x 13.2 mm     7443551370     WE       1     L4     15u     Inductor, Power Choke, ±20%     12.80x 13.2 mm     7443551370     WE       4     01-2 C11-12     3904     Bipolar, NPN, 40-V, 200-mA     SOT23     MMBT3904LT1G     STD       1     Q17     2N7002     MOSFET, N-Cha, 80V, 123 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     Q3-4 Q13-14     BSC057N08NS3 GMOSFET, NChan, 80V, 57 millohm     PWRPAK S0-8     BSC37N08NS3 G Infineon       4     Q3-6 Q13-14     BSC057N08NS3 GMOSFET, NChan, 150V, 33A, 38 millohm     PWRPAK S0-8     BSC380N15NS3 G MOSFET, NChan, 150V, 33A, 38 millohm       2     Q8, Q9-10 Q7     BSC360N15NS3 GMOSFET, NChan, 150V, 33A, 38 millohm     PWRPAK S0-8     BSC380N15NS3 G Infineon       1     R10     10     Resistor, Chip, 1/16W, 1%     1206     STD							
1     L1     1.9u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     7443556190     WE       1     L2     18.0 H     Inductor, 20%     26x26 mm     PG1096.183.NL     Pulse       1     L3     3.7u     Inductor, Power Choke, ±20%     12.80x 13.2 mm     74435571500     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     74435571500     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     74435571500     WE       1     D1/2 011-12     3904     Bipolar, NPL, 40-V, 200-mA     SOT23     MMBT3904LT1G     Diodes       2     Q18-19     BSC123N08NS3     MOSFET, Nchan, 80V, 57 milohm     PWRPAK S0-8     BSC123N08NS3 Infineon       4     Q3-4 013-14     BSC057N08NS3 G MOSFET, Nchan, 80V, 73 milohm     PWRPAK S0-8     BSC123N08NS3 G Infineon       4     Q3-6 010 Q7     BSC360N15NS3 G MOSFET, Nchan, 150V, 33.4 S millohm     PWRPAK S0-8     BSC360N15NS3 G Infineon       1     R101     10     Resistor, Chip, 1/16W, 1%     2512     STD     STD       2							
1     L2     18uH     Inductor, 20%     26x26 mm     PG1096.183.NL     Pulse       1     L3     3.7u     Inductor, Power Choke, ±20%     12.80x 13.2 mm     7443551370     WE       4     Q1-2 Q11-12     3904     Bipolar, NPN, 40-V, 200-mA     SOT23     MMBT3904LT1G     STD       1     Q17     2N7002     MOSFET, Nch, 60-V, 115-mA, 1.2-Ohms     SOT23     2N7002     Diodes       2     Q18-19     BSC123N08NS3     MOSFET, Nchan, 80V, 123 millohm     PWRPAK S0-8     BSC123N08NS3 G     Infineon       4     Q3-4 Q13-14     BSC057N08NS3 G MOSFET, Nchan, 80V, 57 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       4     Q3-6 Q13-14     BSC057N08NS3 G MOSFET, Nchan, 50V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       2     Q8, Q9-10 Q7     BSC360N15NS3 G MOSFET, Nchan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       1     R101     10     Resistor, Chip, 176V, 1%     0603     STD     STD       1     R101     10     Resistor, Chip, 176V, 1%     0603     STD							
1     L3     3.7u     Inductor, Power Choke, ±20%     12.80x 13.2 mm     7443551370     WE       1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     74435571500     WE       4     Q1-2 Q11-12     3904     Bipolar, NPN, 40-V, 200-mA     SOT23     2N7002     Diodes       1     Q17     2N7002     MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms     SOT23     2N7002     Diodes       2     Q18-19     BSC123N08NS3     MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms     SOT23     2N7002     Diodes       4     Q3-4 Q13-14     BSC057N08NS3 G     MOSFET, N-chan, 80V, 57 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     Q5-6 Q15-16     3906     Bipolar, PNP, 40-V, -200-mA     SOT23     MMBT3906LT1G     STD       2     Q8, Q9-10 Q7     BSC360N15NS3 G     MOSFET, N-chan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N1SNS3 G     Infineon       1     R101     10m     Resistor, Chip, 71/6-W, 1%     1206     STD     STD       1     R101     10     Resistor, Chip, 71/6-W, 1%     0603 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
1     L4     15u     Inductor, Power Choke, ±20%     18.2 x 18.3 mm     74435571500     WE       4     Q1-2 Q11-12     3904     Bipolar, NPN, 40-V, 200-mA     SOT23     MMBT3904LT1G     STD       1     Q17     2N7002     MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms     SOT23     2N7002     Diodes       2     Q18-19     BSC123N0BNS3     MOSFET, NChan, 80V, 73 millohm     PWRPAK S0-8     BSC123N0BNS3 G     Infineon       4     Q3-4 Q13-14     BSC057N0BNS3 G     MOSFET, NChan, 80V, 73 millohm     PWRPAK S0-8     BSC132N0BNS3 G     Infineon       2     Q6, Q9-10 Q7     BSC360N15NS3 G     MOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       1     R10     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       1     R10     10     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R10     10     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R10     10     Resistor, Chip, 1/16-W, 1%     0603     STD							
4     Q1-2 Q11-12     3904     Bipolar, NPN, 40-V, 200-mA     SOT23     MMBT3904LT1G     STD       1     Q17     2N7002     MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms     SOT23     2N7002     Diodes       2     Q18-19     BSC123N08NS3     MOSFET, NChan, 80V, 123 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     Q3-4 Q13-14     BSC057N08NS3 G MOSFET, NChan, 80V, 57 millohm     PWRPAK S0-8     BSC057N08NS3 G     Infineon       4     Q3-6 Q13-14     BSC057N08NS3 G MOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       2     Q8, Q9-10 Q7     BSC360N15NS3 G MOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       1     R101     10     Resistor, Chip, 3W, 1%     2106     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16-W, 1%     160603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16-W, 1%     0603     STD							
1     Q17     2N7002     MOSFET, Ncha, 60V, 115-mA, 12-Ohms     SOT23     2N7002     Diodes       2     Q18-19     BSC123N08NS3     MOSFET, Ncha, 80V, 123 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     Q3-4 Q13-14     BSC057N08NS3 GMOSFET, Ncha, 80V, 57 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     Q5-6 Q15-16     3906     Bipolar, PNP, 40-V, 200-mA     SOT23     MMBT3906LT1G     STD       2     Q8, Q9-10 Q7     BSC360N15NS3 GMOSFET, Nchan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G Infineon       1     R101     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       2     RQ R104     20k     Resistor, Chip, 1/16-W, 1%     1206     STD     STD       1     R101     10     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111							
2     Q18-19     BSC123N08NS3     MQSFET, NChan, 80V, 123 millohm     PWRPAK S0-8     BSC123N08NS3     Infineon       4     Q3-4 Q13-14     BSC057N08NS3     GMOSFET, NChan, 80V, 57 millohm     PWRPAK S0-8     BSC057N08NS3 G     Infineon       4     Q3-6 Q13-14     BSC057N08NS3 G     GMOSFET, NChan, 80V, 57 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       2     Q8, Q9-10 Q7     BSC360N15NS3 G     MOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       1     R10     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       1     R101     10     Resistor, Chip, 1/16W, 1%     1206     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16W, 1%     0603     STD							
4     Q3-4 013-14     BSC057N08NS3 G MOSFET, NChan, 80V, 57 millohm     PWRPAK S0-8     BSC067N08NS3 G Infineon       4     Q5-6 Q15-16     3906     Bipolar, PNP, -40V, -200-mA     SOT23     MMBT3906LT1G     STD       2     Q8, Q9-10 Q7     BSC360N15NS3 G MOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G Infineon       1     R10     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       1     R101     10     Resistor, Chip, 3W, 1%     1206     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R101     10     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16-W, 1%							
4     OS-6 015-16     3906     Bipolar, PNP, 40-V, 200-mA     SOT23     MMBT3906LT1G     STD       2     08, 09-10 07     BSC360N15NS3 GMOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G     Infineon       1     R10     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       1     R101     10     Resistor, Metal Film, 1/4W, 1%     1206     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R114     806     Resistor, C	_						
2     Q8, Q9-10 Q7     BSC360N15NS3 G MOSFET, NChan, 150V, 33A, 36 millohm     PWRPAK S0-8     BSC360N15NS3 G Infineon       1     R10     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       1     R101     10     Resistor, Chip, 3W, 1%     1206     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16 W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16 W, 1%     0603							
I     R10     10m     Resistor, Chip, 3W, 1%     2512     STD     STD       1     R101     10     Resistor, Chip, 1/16-W, 1%     1206     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     1206     STD     STD       1     R100     3.4k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD <td></td> <td></td> <td>3906</td> <td>Bipolar, PNP, -40-V, -200-mA</td> <td>SOT23</td> <td></td> <td></td>			3906	Bipolar, PNP, -40-V, -200-mA	SOT23		
R101     10     Resistor, Metal Film, 1/4W, 1%     1206     STD     STD       2     R102 R104     20k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     0266     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD							
2     R102 R104     20k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R109     12     Resistor, Chip, 1/16-W, 1%     1206     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603							
I     R109     12     Resistor, Chip 1/4 watt, ±1%     1206     STD     STD       1     R110     3.4k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603							
R110     3.4k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9 k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49 k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R19-120     120     Resistor, Chip, 1/16W, 1%     0603     STD							
R110     3.4k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9 k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49 k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R19-120     120     Resistor, Chip, 1/16W, 1%     0603     STD	1						
1     R111     1.24k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R112     49.9     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812	1	R110	3.4k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1     R112     49.9     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R113     9.76k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/2W, 1%     1206     STD	1			Resistor, Chip, 1/16-W, 1%		STD	STD
1     R113     9.76k     Resistor, Chip, 1/16-W, 1%     0603     STD     STD       1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R121     0     Resistor, Chip, 1/2W, 1%     1812     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/14 watt, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R1-4 R32 R37     4k7     Resistor, Chip, 1-W, 5% <t< td=""><td>1</td><td></td><td></td><td></td><td></td><td>STD</td><td></td></t<>	1					STD	
1     R114     806     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/2W, 1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R1-4 R32 R37     4K7     Resistor, Chip, 1-W, 5%     2512				Resistor, Chip, 1/16-W, 1%			
1     R115     9.53k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/2W, 1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ER.46RQJ1R0     Panasonic       6     R1-4 R32 R37     4k7     Resistor, Chip, 14W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD	1			Resistor, Chip, 1/16W, 1%			
1     R116     DNP     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/2W, 1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R1-4 R32 R37     4K7     Resistor, Chip, 1-W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD				Resistor, Chip. 1/16W, 1%			
1     R117     30.9k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/16W, 1%     0603     STD     STD       1     R121     0     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/4 watt, ±1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R14-R32 R37     4k7     Resistor, Chip, 1/W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD							
1     R118     2.49k     Resistor, Chip, 1/16W, 1%     0603     STD     STD       2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/4 watt, 1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R1-4 R32 R37     4k7     Resistor, Chip, 1-W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD							
2     R119-120     120     Resistor, Chip, 1/2W, 1%     1812     STD     STD       1     R121     0     Resistor, Chip, 1/4 watt, ±1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R1-4 R32 R37     4k7     Resistor, Chip, 1-W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD							
1     R121     0     Resistor, Chip 1/4 watt, ±1%     1206     STD     STD       4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R14-R32 R37     4k7     Resistor, Chip, 1/10W, 1%     02512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD							
4     R13-14 R24-25     1     Resistor, Chip, 1/10W, 1%     0805     ERJ6RQJ1R0     Panasonic       6     R1-4 R32 R37     4k7     Resistor, Chip, 1-W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD	1		0				
6     R1-4 R32 R37     4k7     Resistor, Chip, 1-W, 5%     2512     STD     STD       2     R15-16     68     Resistor, Chip, 1W, 1%     1210     STD     STD	4		1				
2 R15-16 68 Resistor, Chip, 1W, 1% 1210 STD STD							
2     N 3*10     00     resistor, unp, 1W, 1%     1210     S1D     STD       5     R17-21     0.27     Resistor, Chip, 1W, 1%     2512     STD     STD	-						
ס אוויביו ט.בי איז איז איז איז איז איז איז איז איז אי		15-16		Resistor, UNIP, 1W, 1%			
		D47.04					

1	R22	22R	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
1	R23	6.8	Resistor, Current Sense, ± 1%	2010	STD	Vishay Dale
3	R33 R122-123	0R	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
1	R36	5.23k	Resistor, Metal Film, 1/4W, 1%	1206	STD	STD
	R38-39 R34-35					
5	R106	0	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R40	open	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
	R41 R72-73 R76					
7	R103 R105 R107	10	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R42	open	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R43	19k1	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
2	R44 R96	49.9	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R45	390	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R45	1k96	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R40				STD	STD
		10k	Resistor, Chip, 1/16-W, 1%	0603		STD
3	R48-49 R52	13k	Resistor, Chip, 1/16W, 1%	0603	STD	
1	R50	18.7k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R51	13k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R54	26k7	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R55	18k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R56	56k	Potentiometer, SMT Pot, 0.25W, ±10%	0.209 x 0.154	3224W-x-xxxE	Bourns
	R5-8 R11-12 R26-					
14	31 R53 R57	100	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R59	5k6	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R60	5k6	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R61	5k6	Potentiometer, SMT Pot, 0.25W, ±10%	0.209 x 0.154	3224W-x-xxxE	Bourns
1	R62	0R	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R63	8k2	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R64	DNP	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
5		DNP		0603	STD	STD
	R65-67 R58 R99		Resistor, Chip, 1/16-W, 1%			
3	R68 R88 R69	0	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R70	10.2k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R71	4.42k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R74	115k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R75	24k3	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R77	15k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R78	100k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R79	4k7	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R80	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R81	33k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R82	20k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R83 R93	10k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
2	R84 R108	1k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
2	R85 R92	20k	Potentiometer, SMT Pot, 0.25W, ±10%	0.209 x 0.154	3224W-x-xxxE	Bourns
1	R86	33k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
		10k			STD	STD
2	R87 R91	10K 221	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R89		Resistor, Chip, 1/16-W, 1%	0603		
1	R9	DNP	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
1	R90	4k7	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	R95	64.9k	Resistor, Metal Film, 1/4W, 1%	1206	STD	STD
3	R97 R100 R94	100k	Resistor, Metal Film, 1/4W, 1%	1206	STD	STD
1	R98	4.12k	Resistor, Chip, 1/16-W, 1%	0603	STD	STD
1	S1	GT22MCXE	Switch, Ultraminiature Toggle, DPDT	0.177 x 0.276 inch	GT22MCXE	C & K
4	T1-2 T5-6	PA2002NL	Transformer, Gate Driver	0.340 X 0.355 inch	PA2002NL	Pulse
1	Т3	55694	Power Transformer, 304W SMPS	34 X41.00 mm	55694	Payton
2	T4 T8	100 to 1	Current Transformer	0.284 x 0.330 inch	PA1005.100NL	Pulse
1	T7	80uH	XFMR, 3.3V, 30A	20.57 x 23.37 mm	NA6194-AL	Coilcraft
1	U10	LM317LIDR	IC, 3 Terminal Adjustable Regulator	SO8	LM317LIDR	Texas Instruments
1	U11	TCMT1113	IC, Photocoupler, 3750 VRMS, -40C+110C	MF4	TCMT1113	Vishay
1	U12	TL431QDBZR	IC, Protocoupler, 3750 VRMS, -40C+110C	SOT23-3	TL431QDBZR	Texas Instruments
2	U1-2	UCC27200A	IC, 120 V Boot, 2.5A Peak, High-Freq. High-Side Low-Side Driver	SO8	UCC27200DA	Texas Instruments
2	U3-4	UCC37324D	IC, Dual 4-A High Speed Low-Side Power MOSFET Drivers	SO-8	UCC37324D	Texas Instruments
1	U5	UCC28950PW	IC, Advanced Phase-Shifted PWM Controller	TSSOP-24	UCC28950PW	Texas Instruments
1	U6	TLV272CD	IC, 550 uA 3MHz R-R Output Op Amp	SO-8	TLV272CD	Texas Instruments
1	U7	INA194AIDBV	IC, Current Shunt Monitor, -16V to 80V Common-Mode Range	SOT23-5	INA194AIDBV	Texas Instruments
1	U8	TLV271IDBV	IC, 500 uA single Chan, R-R Output Op-Amp	SOT23-5	TLV271IDBV	Texas Instruments
	U9	LM5039MH	IC, Half-Bridge PWM Controller with Average Current Limit	TSSOP	LM5039MH	Texas Instruments

Notes:

These assemblies are ESD sensitive, ESD precautions shall be observed.
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.
These assemblies must comply with workmanship standards IPC-A-610 Class 2.
Ref designators marked with an asterisk (\*\*\*) cannot be substituted. All other components can be substituted with equivalent MFG's components.

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Only those TI components that TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components that have **not** been so designated is solely at Buyer's risk, and Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

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