Components listing for 4 High power DC/DC converter modules + 1 Power Board

Price taken from Mouser.jp website without quantity price reduction

Component ref.	Description	Purchase link	Unit price (¥)	Number	Price (¥)
DC/DC module components					
T8390EFE#PBF	Buck + boost DC controller	https://www.mouser.jp/ProductDetail/Analog-Devices-Linear-Technology/LT8390EFEPBF?qs=sGAEpiMZZMtitjHzVlkrqRqycvdJ8kbVWlbeD6mwdWXoNSMn22%252BmFg%3D%3D	1277,8	5	63
TD5C668NLT4G	Power N-MOSFET	https://www.mouser.jp/ProductDetail/ON-Semiconductor/NTD5C668NLT4G?qs=%2Fha2pyFaduingzZFeY2IGDzsPIG72cR9t0L%252BGmkJ1ujRueupoPQp%252BA%3D%3D	188,4	20	37
EETG1H470P	47uF / 50V electrolytic filtering capacitor	https://www.mouser.jp/ProductDetail/Panasonic/EEE-TG1H470P?qs=%2Fha2pyFaduia%252BGtPPAdBYRpEA20kz83k31MPajWhBXMuZrrYWTgdg%3D%3D	108,9	15	163
EETG1H100P	10uF / 50V electrolytic filtering capacitor	https://www.mouser.jp/ProductDetail/Panasonic/EEE-TG1H100P?qs=%2Fha2pyFaduia%252BGiPPAdBYeyyKNH0Q85k3ecFZVka1pLytbeKXbL%2FSA%3D%3D	88,5	15	132
CM32EL8EH106KA07L	10uF / 50V ceramic filtering capacitor	https://www.mouser.jp/ProductDetail/Murata-Electronics/GCM32EL8EH106KA07L2qs=%2Fha2pyFadugGz325j0tLDxP3cYTWFf06%252B3mk8pl3Nb%252BvA6nx09%252BifwF8yMgimkBl	144,1	15	216
1206C475M5RACAUTO	4,7uF / 50V ceramic filtering capacitor	https://www.mouser.jp/ProductDetail/KEMET/C1206C475M5RACAUTO?qs=sGAEpiMZZMs0AnBnWHyRQNSijhAUP4u8dNoFJYlEao2%2Fhy36BQ901g%3D%3D	77,2	10	
0805X104K1RAC3316	0,1uF / 100V bootstrap capacitor	https://www.mouser.jp/ProductDetail/KEMET/C0805X104K1RAC3316?qs=%2Fha2pyFaduhu52QIFCbCt%252BSKHLhj%252Bh%252Bh06%252B5CGQqPzSQmWe9gaJry1SMvE10ZgIS	49,9	10	4
C0805KFX7R9BB105	1uF / 50V decoupling capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0805KFX7R9BB105?qs=%2Fha2pyFadujPA%252BuuaJtSEyDcY5WiQQfjaFz41Dgp2K0BQUhMxSqtETvgiFoCPyIY	29,5	10	
C1206KKX5R9BB475	4,7uF / 50V decoupling capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC1206KKX5R9BB475?qs=%2Fha2pyFadujG%252BB25mNGWiQiTZ7Sp5wlONOjBbc2pyR2GntYsV0xU3lJfkhRidtOl	81,7	6	49
C0603KRX5R9BB474	0,47uF / 50V decoupling capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0603KRX5R9BB474?qs=%2Fha2pyFaduh%252BUOWCKAJwPIPH1GVuzZuMFUoIER%2Fd3Cr0WodxdyAKPAtzwn7FLFEB	67	6	
C0603JPX7R9BB104	0,1uF / 50V soft start capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0603JPX7R9BB104?qs=%2Fha2pyFaduhtjzwE5Uy8pwCa9hHncRs4cL8m8nK9UplgjVskq9MS7b6TcZMDWfT%2F	14,8	6	8
0603GPNPO9BN101	100pF / 50V compensation capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0603GPNPO9BN101?qs=%2Fha2pyFadujO2TObWWNdYuqeaXP6Ru0oJnt9g4C3QHPSx3%252BUGBgTMw%3D%3D	14,8	6	8
C0603KRX7R9BB472	4,7nF / 50V compensation capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0603KRX7R9BB472?qs=%2Fha2pyFaduh%252BUOWCkAJwPDnO0InsjTEb5GLLm7mlsQ6BXQyWVMG6TA%3D%3D	11,3	6	e
RCW0603120KFKEA	120k UVLO resistor	https://www.mouser.jp/ProductDetail/Vishay-Dale/CRCW0603120KFKEA?qs=sGAEpiMZZMu61qfTUdNhGyptJL5EcUIRgEQUVVKpQXw963D	11,3	6	6
RCW06035K10FKEA	5,1k UVLO resistor	https://www.mouser.jp/ProductDetail/Vishay-Dale/CRCW06035K10FKEA?qs=sGAEpiMZZMu61qfTUdNhG1ajYgHS1GM4QqtRz44NDJU%3D	11,3	6	6
RCW0603100KFKEA	100k FB / frequency set / bias resistor	https://www.mouser.jp/ProductDetail/Vishay-Dale/CRCW0603100KFKEA?qs=sGAEpiMZZMu61qfTUdNhG3XwnH6YDjgjVclO%2FX%252BjaWo%3D	11,3	20	1
RCW060327K0JNEA	27k compensation resistor	https://www.mouser.jp/ProductDetail/Vishay-Dale/CRCW060327K0JNEA?qs=sGAEpiMZZMu61qfTUdNhG2TmlP6XIPVRa0u5%252BH8S3s8%3D	11,3	6	6
A4344.333ANLT	33uH / 12A High power inductor	https://www.mouser.jp/ProductDetail/Pulse-Electronics/PA4344333ANLT?qs=%2Fha2pyFadugBczc8bw1XXSkjce1uG329NBAe7MSR1H2AL2bT4%2FTesg%3D%3D	514,1	6	308
RCW0603150KFKEA	150k FB resistor (36V reg)	https://www.mouser.jp/ProductDetail/V/shay-Dale/CRCW0603150KFKEA?qs=sGAEpiMZZMu61qfTUdNhG6VlbcZKTXAszoaDpgd3%2FW6%3D	11,3	4	4
NPW06034K27BEEA	4,27k FB resistor (36V reg)	https://www.mouser.jp/ProductDetail/Vishay/TNPW06034K27BEEA?qs=%2Fha2pyFadujooedXZW2PxyE%2FOi1VxleExCNFEToIAFGfUv%2FuJrhgWw%3D%3D	76	4	:
MR100HZPJU9L0	9mOhm / 2W shunt resistor	https://www.mouser.jp/ProductDetail/ROHM-Semiconductor/PMR100HZPJU9L0?qs=%2Fha2pyFadujSqGsIJYmTqAFshhkP%2FC43cJTp6tikac%2FkWoRad9swlA%3D%3D	56,7	3	17
LP73V3AR011FTDF	11mOhm / 2W shunt resistor	https://www.mouser.jp/ProductDetail/TE-Connectivity-Holsworthy/RLP73V3AR011FTDF?qs=%2Fha2pyFaduic3ilW0ZHqB4QfY%252BAff%2FsvcibCh8Tntlqlk8sVTcs9Mw%3D%3D	85,1	6	51
T0603DRE077K41L	7,41k FB resistor (14,5V reg)	https://www.mouser.in/ProductDetail/Yageo/RT0603DRE077K41L?qs=%2Fha2ovFaduhGUO%252BPXU%252BeU8A54ELIl%2F4OneuT7d67Yaxmias3TzeWsA%3D%3D	14,8	2	2
LP73V3AR013FTDF	13mOhm / 2W shunt resistor	https://www.mouser.jp/ProductDetail/TE-Connectivity-Holsworthy/RLP73V3AR013FTDF?qs=%2Fha2pyFaduic3ilW0ZHqBvccvzLG4Mk2BrBqVMh04ZXB2E76iKFqvg%3D%3D	85,1	3	25
RCW06034K30FKEA	4,3k FB resistor (24V reg)	https://www.mouser.io/ProductDetailVishav-DaleCRCW06034K30FKEA?as=sGAEpiMZZMu61afTUdNhGZTmIP6XIPVR%252BB6GHJ0IMDM%3D	11,3	2	2
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Itering components					
44373965100	IDC=8,8A 10uH filtering inductor	https://www.mouser.in/ProductDetail/Wurth-Elektronik/744373965100?os=%2Fha2nvFaduiKForgV%252BB%252BOodd4%252BdTotK2vJxePBr27an%252BukzloiiL1PkO%3D%3D	327,4	3	98
A4341.103ANLT	IDC=4A 10uH filtering inductor	https://www.mouser.in/ProductDetail/Pulse-Electronics/PA4341103ANLT?cs=%2Fha2ovFadueCeMc5v2ZPbWM9OIIDv0BFstrAdDb64XOo%252BcOoxMHTOw%3D%3D	122,3	3	36
1210C474K5RACTU	470nF / 50V filtering capacitor	https://www.mouser.jp/ProductDetail/KEMET/C1210C474KSRACTU?qs=sGAEpiMZZMs0AnBnWHyRQM0yVqKBBK3frSa2n3pwvnO963D	31,5	10	
	•		PRICE	16	1664
ower Board components					
PS54560BDDA	5A adustable buck converter	https://www.mouser.jp/ProductDetail/Texas-Instruments/TPS54560BDDA?qs=sGAEpiMZZMttijHzVIkrqZzDzZChF5ZsOcGDOwn43k825UBhQ33kDA%3D%3D	683,9	4	273
B5012206095	0,1uF / 50V bootstap capacitor	https://www.mouser.jp/Product/Detail/Wurth-Elektronik/885012206095?qs=%2Fha2pyFaduhWLwq%252BImdxjA42ILM0qQFytukBLFmJIA00b5L1%2FPHR4Q%3D%3D	11,7	4	4
C0603KRX7R8BB273	27nF / 25V Compensation capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0603KRX7R8B8273?qs=%2Fha2pyFaduh%252BUOWCkAJwPBFWLebrub1eDrm6l2EQ86aaGVFxE8RzYw9%3D%3D	14	2	
B5012206058	680pF / 25V Compensation capacitor	https://www.mouser.jp/ProductDetail/Wurth-Elektronik/885012206058?qs=%2Fha2pyFaduhWLwq%252BImdxjHguXlaWI%252BqXShslK3%252BfKqBJBmE8TBnQqQ%3D%3D	11,7	2	2
C0603KRX7R8BB183	18nF / 25V Compensation capacitor	https://www.mouser.jp/ProductDetail/Yageo/CC0603KRX7R8BB1832qs=%2Fha2pyFadub%252BUOWCkAJwPJoY7e79D8qqkHolfsqQtoEf0gg2uQu1OQ%3D%3D	14	2	
C0603KRX7R8BB102	1nF / 25V Compensation capacitor	https://www.mouser.jn/ProductDetail/Yageo/CC0603KRX7R8BB1022gs=%2Fha2nyFaduh%252BUOWCkAJwPDimSXXC4xH0rMkdx0T9oX337BfU9sibQ%3D%3D	11,7	2	2
RM32ER71H106MA12L	10uF / 50V Input capacitor	https://www.mouser.jp/ProductDetail/Murata-Electronics/GRM32ER71H106MA12L?qs=%2Fha2pyFaduhj8NZ3iuDnEjxrxQyppD8zIU8Ruvb84uzulBimmitrid4tcrt%2FcqZJ	111,8	8	89
495X476K035ATE230	47uF / 50V Output tantalum capacitor	https://www.mouser.jp/ProductDetail/KEMET/T495X476K035ATE230?qs=%2Fha2ovFaduhg7%252bwZZTvHG1t2%2FAoMXx8KuBFnXREJvXH04Jt9P4mv%2F%2FD0vtosfRVH	274,9	4	109
B5012207098	100nF / 50V Output ceramic capacitor	https://www.mouser.jn/ProductDetail/Wurth-Elektronik/8850122070987gs=%2Fha2pvFaduhWLwg%252BImdxjPxGLxfbx82R3MUHb0DTRIVTmZ0GgCfc7w%3D%3D	11,7	4	4
RVTSS5100ET3G	Schottky rectifier diode	https://www.mouser.jp/ProductDetail/ON-Semiconductor/NRVTSS5100ET3G?qs=%2Fha2pyFadugarWiQDuQHS%252BCNQh3t%252BQJw5Je5HIY8LsWgbsAw%3D%3D	54,8	4	21
77CDMCCDS-470MC	47uH fixed inductor	https://www.mouser.in/ProductDetail/Sumida/177CDMCCDS-470MC?os=%2Fba2ovFadus8%252Bi0ZhBkdfRLZTGE5DHBT4JPh6r15VA8Udeh3HHUb0%3D%3D	454,4	2	908
25CDMCCDS-220MC	22uH fixed inductor	https://www.mouser.in/ProductDetail/Sumida/125CDMCCDS-220MC?qs=%2Fha2ovFaduil BnMegFvZidav15tDRAemKl8IIMi7Liv06xwqxhXDBtO%3D%3D	210,9	2	42
RCW06036K80FKEA	0603 6,8kOhm compensation resistor	https://www.mouser.in/ProductDetail/Vishav-Dale/CRCW06036K80FKEA?as=sGAEpiMzZMu61afTUdNbG82Z6Rv1C7AahWAnGidOH8%3D	11,7	2	2
RCW06034K42FKEA	0603 4.42kOhm compensation resistor	htus://www.mouser.in/ProductDetail/Vishav-Dale/CRCW06034K42FKEA?as=sGAEniMZZMu61afTUdNhGvnd1.5EcUitR_efSLDob3%2F4%3D	11,7	2	2
RCW060346K4FKEA	0603 46.4kOhm feedback resistor	https://www.mouser.in/ProductDetail/Vishav-Dale/CRCW060346K4FKEA?as=sGAEniMZZMn61afTUdNhG3XwnH6YDiatXABebe6CXCw%3D	11,7	2	2
RCW060317K4FKEA	0603 17.4kOhm feedback resistor	https://www.mouser.in/ProductDetail/Vishav-Dale/CRCW060317K4FKEA?as=sGAEniMZZMu61afTUdNhG3XwnH6YDieiHRWz5K4wZhO%3D	11,7	2	2
RCW06033K30FKEA	0603 3,3kOhm feedback resistor	https://www.mouser.jp/ProductDetail/Vishay-Dale/CRCW06033K30FKEA7qs=sGAEpiMZZMu61qfTUd/NhGZTmilP6APVRzZHU3CxLNqw%3D	11,7	4	
CW06033K30FKEA	0603 243kOhm frequency set resistor	https://www.mouser.jp/ProductDetail/visiksy-Dale/CK-VFOW060324-88/KEKEA-795=9GAEDIA/MOUSE/GE/CUNTSCHEV/A24TA-4A0/fz/64/9/8-3D	11,7	4	
RCW0603294KFKEA	0603 294kOhm undervoltage resistor	https://www.mouse-jp/rroductbetail/vishay-DateCRC/W0603294K/RCk-qp-ass-aGAE0it/MZ/M0616fTU/dNbC/Gzv22JcrAB9487Craw13 add/ https://www.mouse-jp/rroductbetail/vishay-DateCRC/W0603294K/RCk-qp-ass-aGAE0it/MZ/M0616fTU/dNbC/Gzv22JcrAB9487Craw13 add/ https://www.mouse-productbetail/vishay-DateCRC/W0603294K/RCk-qp-ass-aGAE0it/MZ/M0616fTU/dNbC/Gzv22JcrAB9487Craw13 add/ https://www.mouse-productbetail/vishay-productbetail	11,7	4	
RCW0603294KFKEA	0603 12,1k undervoltage resistor	https://www.mouser.jp/ProductDetail/Vishay-Dale/CRCW060312K1FKEA?gs=sGAEpiMZZMu61qf1UdNhGypJL5EcUtRkJCzkk5368%3D	11,7	4	
2448-0004	13A/contact horizontal Molex connectors	nips/www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rrpes/rsp-asa-gpisyzzaniorgi1 curintypizzsecuring-casassoomasD https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rrpes/rsp-asa-gpisyzzaniorgi1 curintypizzsecuring-casassoomasD https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzzaniorgi1 curintypizzsecuring-casassoomasD https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzzaniorgi1 curintypizzsecuring-casassoomasD https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi1 curintypizzsecuring-casa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.jpriouci.beain/vsiasy-baiec.rc.woods/krrpes/rsp-asa-gpisyzaniorgi2 https://www.nionser.gpisyzaniorgi2 https://www.n	87,4	10	
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her 3391AX10	Solder paste	https://www.mouser.jp/ProductDetail/Chip-Quils/TS391AX10?qs=%2Fha2pyFaduhNEJCZpjKOrVB6TYtwULt6gU3%2FWZ7ZipBk1NeMBokkyg%3D%3D	2120.7	1	011
	Solder paste Thermal paste	https://www.mouser.jp/ProductDetail/Cnip-Quilk/15391AX.10/qs=%zFnazpyradunNeJCzpjKOPVB61 Y tWOLfogU3%zFWZ/ZlpBK1NeMB0kKyg%3D7%3D https://www.mouser.jp/ProductDetail/Aavid/100500F00000G?qs=sGAEpiMZZMsiS1%z52B3OF5Pnw125Mbi84t40Dy0Fk55pXs%3D	3139,7 3458,9	1	313 345
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