

D40-4L

Part list



Item number	Safety Critical	Item name	Replacement	Designator	Service level		
					1	2	3
Power Supply							
SP40PFC-08Ae		SMPS 4 kW PFC rev.08 Variant A bomversion e	Replaces all previous revisions				x
T15AH250-6.3x32		Fuse Slow Blow 15A 250V 1500a Ir 6.3x32mm					x
74HCT1G14		IC Inverting Schmitt trigger 74HCT1G14 SOT353-1		U19			x
TNY280G		IC Switcher Offline TNY280G SMD-8C		U34			x
2N7002		Transistor MOSFET 2N7002 SOT-23		Q6			x
STTH1506DPI		Diode Power STTH1506DPI		D3			x
IKW50N65F5		Transistor Igbt Power IKW50N65F5 TO247-3		Q32			x
NTC100K1M		NTC100K1M		NTC1			x
S20K300		Varistor S20K300		VDR1			x
SS36		Diode Schottky Rectifier SS36 3A 60V SMC		D35			x
MBRS3200T3G		Diode Schottky Power Rectifier 200V 3A MBRS3200T3G SMB		D23			x
BAS21		Diode Signal Bas21 SOT-23		D36			x
12V.2W5%SOD-323F		Diode Zener 12V 0.2W 5% SOD-323F		D33			x
FDV301N		Transistor MOSFET FDV301N SOT-23		Q9			x
T16A400-5x20AL		Fuse Slow Blow 16a 400v 5x20mm Axial Leads		F1			x
LP2985IM5-3.3		Ic Voltage Regulator LP2985IM5 3.3V SOT-23-5		U5			x
AD5592R		IC 8ch A/D converter AD5592R TSSOP-16		U8			x

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TOP256YN		Ic Switcher Offline TOP256YN TO-220-7C		U26			x
SFH615A		Ic Optocoupler SFH615A-2X006 DIP-4		PE2			x
IRF7416TRPBF		Transistor Mosfet 30V IRF7416 SO-8		Q16			x
TLV2772AID		IC Operational Amplifier TLV2772AID SOIC-8		U10			x
LM833		IC Operational Amplifier LM833 SOIC Narrow body		U9			x
AD5300		IC 8-bit D/A converter AD5300 SOT-23-6		U11			x
SI8641BB-B-IS		Ic Digital Isolator SI8641BB-B-IS SOIC-16		U7			x
LM311		Ic Comparator Lm311 SOIC Narrow body		U16			x
TL431A_NXP		Ic Shunt Regulator TL431A SOT-23-3 NXP		U17			x
INPUT and OUTPUT							
A-DMOS4-Ag		Assembly with Dsp Mains and Output Sense 4 Ch var A bom g	Replaces all previous revisions (Do not switch this board with D10 or D20)				x
A-LP4A4D-B-T		A-LP4A4D-B-T Tested for D-Series L	Replaces all previous revisions				x
BP4DA1U-03Ag		BackPlane with 4 channel DA converters 1 Unit Rev.03 Vers.Ag	Replaces all previous revisions				x

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Amp Board						
A604D-07Bb		Amplifier Module 6kW 4ch class D rev.07 vers.Bb	Replaces all previous revisions			
IRFB4227		Transistor Mosfet Power N-channel IRFB4227 65A 200V TO-220		Q223, Q224, Q225, Q226, Q23, Q24, Q25, Q26, Q423, Q424, Q425, Q426, Q623, Q624, Q625, Q626		x
IRS20956S		Ic Digital Audio Driver IRS20956S		IC204, IC205, IC4, IC404, IC405, IC5, IC604, IC605		x
ZXGD3004E6		Ic single gate driver ZXGD3004E6 SOT23-6		Q17, Q18, Q21, Q217, Q218, Q22, Q221, Q222, Q417, Q418, Q421, Q422, Q617, Q618, Q621, Q622		x
10R.125W1%0805		Resistor 10R .125W 1% Surface Mounted 0805		R289, R290, R291, R292, R489, R490, R491, R492, R689, R690, R691, R692, R89, R90, R91, R92		x
1R5.125W1%0805		Resistor 1R5 .125W 1% Surface Mounted 0805		R101, R102, R104, R105, R106, R107, R108, R109, R301, R302, R304, R305, R306, R307, R308, R309, R501, R502, R504, R505, R506, R507, R508, R509, R701, R702, R704, R705, R706, R707, R708, R709		x

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F6A3250-R2M		Fuse fast blow 6.3A 250V Radial 8.35x7.7mm 2 Modules		F1, F2, F201, F202, F401, F402, F601, F602			x
User interface							
UI6T42L-04-AL-AT		UI6T4L-04-A-AT service Display Assembly for D-series Lake FC	Replaces all previous revisions				x
ACUID-LAKE		Acryl Cover User Interface Type D LAKE					x
Chassis							
EFPK-D40-4		Exterior Front Panel type K D series 40:4					x
DF120X40X6-20		Dustfilter 120x40x6mm 20ppi Bulpren Firend (280) V-0 Hf1					x
BPS1UA		BackPlane Support 1 Unit Type A					x
RPD41UA-PBLK		Rear Panel DMOS4 1U Type A Painted Black					x
SRPDD40-4L-TB		Sticker Rear Panel DMOS4 D40-4L Terminal Block				x	
RPSF1UA-PBLK		Rear Panel Slot Filler 1U Type A Painted Black					x
SRPD1UA-L		Sticker Rear Panel D series 1 Unit Type A Lake				x	
SPRS1UA		Side Panel Reinforcement Steel 1 Unit Type A			x		
Miscellaneous							
F40x20-24SHS		Fan 40x40x20mm 24VDC Super High Speed					x
PMH6.8x5x5N		Polarized Magnet H6.8x5x5mm Neodym				x	
PMHSIA		Plastic Magnet Holder Snap In Type A				x	
K-IDS1U		Kit Installation D series 1 Unit			x		

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RTK10TP2.7x8		Screw Rtk10 Thermoplastic 2.7x8								x
CASO2X17P2L60		Cable Assembly Socket 2x17pole 2mm L60mm								x
FFCP.5C24L360		Flat Flex Cable Pitch 0.5mm Cond 24 Length 360mm								x
IN1UA		Insulation for 1 Unit Type A								x
STCAA		Sticker Top Cover Approvals type A							x	
ACP1UAS		Air Control Plastic 1 Unit Type A Split								x