


PLM14000



Part list

For safety critical components please contact Labgruppen for the right manufacturer							
Item number	Safety Critical	Item name	Replaces	Designator	Service level		
Power Supply		See restriction nr6 on how to find and define our item names			1	2	3
SMPS-A15-F06		SMPS-A15-F06 FCT	Replaces all SP140Fxxx type F06 (see restriction nr1) because of deviations between 115V and 230V amps				x
T13KWF200VPM8770		Transformer 13kW Flyback 200V Core Pm8770	See restriction nr7 for new mounting instructions	K1			x
TCET1102G		Ic Photocoupler Tcet1102g		U2,U3,U4			x
PWMF107a-F01		Pulse Width Modulator Flyback 1 Rev.07a Final Assembly Type 01		U1			x
BC549C		Transistor Bipolar Signal Bc549c		Q5,Q9			x
BC559C		Transistor Bipolar Signal Bc559c		Q7			x
BYM26E		Diode Power Switch Bym26e		D2, D5			x
6n8250VMMK5		Capacitor Polyester 6n8 250V Mmk 5mm		C12			x
STTA3006PI		Diode Power Stta3006pi 600v Isolated Dop3i		D16, D17			x
5V6.4W2%		Diode Zener 5V6 .4W 2%		D12,D13,D23,D24,D26,D27			x
MPSA42		Transistor Bipolar Signal Mpsa42		Q8			x
MPSA92		Transistor Bipolar Signal Mpsa92		Q10			x
BYT30PI1000		Diode Power Byt30pi1000 Isolated		D3			x
SGW25N120		Transistor Igbt Power Sgw25n120		Q1, Q2,Q3			x
12V.4W5%		Diode zener 12V.4w 5%		D19, D25			x
15V1.3W5%		Diode Zener 15V 1.3W 5%		D4			x

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PN4392		Transistor Jfet Signal Pn4392		Q6			x
1N4148		Diode Signal 1n4148		D21, D22			x
STTA1512PI		Diode Power Stta1512pi 1200v Isolated Dop3i		D6			x

Power Supply							
SP05F05-F01-T		SP05F05-F01-T FCT	Replaces all SP05Fxxx type F01				x
LP339D		IC comparator LP339D SOIC		U1			x
FQPF2N60C		Transistor Mos Power FQPF2N60C TO-220F		Q1			x
FQPF10N60C		Transistor Mos Power FQPF10N60C TO-220F		Q3			x
BCV47		Transistor Darlington BCV47 SOT-23		Q5			x
T3A15250-5x20B		Fuse Slow Blow 3.15A 250v 5x20mm type B		P2			x
BAS21		Diode Signal Bas21 SOT-23		D4			x
R27.5W5%FR		Resistor Metal Film R27 .5W 5% Flame Retardant		R22			x
LM317FP		Ic Voltage Regulator Lm317 Full Pack		U6, U9			x
US1G		Diode Fast Recovery US1G SMA		D7,D8, D10, D11, D12, D14,			x
STTH1602CFP		Diode Power STTH1602C TO- 220 FullPack		D9			x
TL431A		Ic Shunt Regulator TL431A SOT-23-3		U5			x
TCET1102G		Ic Photocoupler Tcet1102g		U4			x
LM339D		c Comparator LM339D SOIC-14		U7			x
UCC3813-4		Ic Pwm UCC3813-4 SO-8		U2			x


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INPUT and OUTPUT						
DICO412-F02-T		DICO412-F02-T FCT	Replaces all DICO4xxx type F02 (see restriction nr2 , nr3 , nr4 and nr5) for instructions on how to order and update firmware before you replace the DICO-board. See instruction nr8 on how to update the serial number (very important to do every time you replace the DICO board)			x
LM2672M-3.3		Ic Voltage Regulator LM2672-3.3 SO-8		U427		x
BC857C		Transistor Bipolar Signal BC857C SOT-23		Q1,Q2.		x
FAN3224TMX		Ic dual gate driver FAN3224TMX SOIC-8		U437		x
74HC74SO14		IC Logic 74HC74 SO14		U412, U436		x
NE5532D		IC Operational Amplifier NE5532D SOIC-8		U1		x
OPA2134UA		IC Operational Amplifier OPA2134UA SO-8		U400		x
CS4398		Ic D/A Converter CS4398 TSSOP-28		U403		x
LM393D		Ic Comparator Lm393D SOIC-8		U418, U420		x
TPS62040		Ic Step-down Converter TPS62040 MSOP-10		U428		x
MT48LC8M16A2P		Ic SDRAM MT48LC8M16A2P 128MBIT TSOP-54		U408		x
S29GL032A-90		Ic Flash 32Mbit S29GL032A-90 TSOP-48		U409		x
TS922		Ic Operational Amplifier TS922 SOIC-8		U102		x
PCM1803		Ic A/D Converter PCM1803 SSOP-20		U104		x

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SI8441-C		Ic Digital Isolator SI8441-C		U105			x
BAV99		Diode Double Bav99 SOT-23		D2, D3,			x
LP2985IM5-3.3		Ic Voltage Regulator LP2985IM5 3.3V SOT-23-5		U21			x
2N7002		Transistor MOSFET 2N7002 SOT-23		Q3			x




Input and Output							
DLP406-T		Dolby Lake Processing 4ch tested	Replaces all DLP4xxx type F02 This board is not repairable. Make sure to always update this board to the latest release bundle				x

Amp Board							
A70TD05-F03-T		A70TD05-F03-T FCT	Replaces all A70TDxxx type F03				x
MJW21195		Transistor Bipolar Power NJW1193 TO-3		Q2, Q3, Q4, Q5, Q6			x
MJW21196		Diode Zener 100V 1.3W 5%		Q12, Q13, Q14, Q15, Q16			x
MJW1302		Transistor Bipolar Power NJW21194 TO-3		Q7			x
NJW3281		Transistor Bipolar Power NJW3281 TO-3		Q11			x
KSD1691Y		Transistor Bipolar Power Ksd1691y		Q21			x
STY60NK30Z		Transistor Mos Power Sty60nk30z		Q39, Q40, Q41, Q42			x
STTH1506DPI		Diode Power Sth1506dpi		D34, D37			x
PWMNATD-F01		Pwm Negative Side Amp. Class Td Final Assembly Type 01		U5			x
PWMPATD-F01		Pwm Positive Side Amp. Class Td Final Assembly Type 01		U6			x

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MJE350I		Transistor Bipolar Signal Mje350 Insulated		Q8, Q18, Q19			x
MJE340I		Transistor Bipolar Signal Mje340 Insulated		Q9, Q10, Q20			x
15V1.3W5%		Diode Zener 15V 1.3W 5%		D40, D41			x
IRFU014		Transistor MOS power IRFU014		Q46, Q49			x
IRFU9024		Transistor MOS power IRFU9024		Q47, Q48			x
BC549C		Transistor Bipolar Signal Bc549c		Q44, Q50			x
BC559C		Transistor Bipolar Signal Bc559c		Q45, Q51			x
HCPL2601		Ic Photocoupler Hcpl2601		U3, U4			x
100V1.3W5%		Diode Zener 100V 1.3W 5%		D7, D8, D20, D21			x
Q4040K7		Triac Q4040K7		Q38			x
4K7.6W1%		Resistor Metal Film 4k7 .6W 1%		R94, R107			x
100K.6W1%		Resistor Metal Film 100k .6W 1%		R47, R89			x
3V3.4W5%		Diode Zener 3V3 .4W 5%		D39, D43			x
T15A250-5x20		Fuse slow blow 15A 250V 5x20mm		P2, P3			x

Mains input filter								For 115V amps
MIS130B01-F01-T		MIS130B01-F01-T FCT	Replaces all MIS130Bxxx type F01				x	See below
PCSPNO40A18V		Relay Pcb Single Pole Normally Open 40a 18v		RE1			x	
PCSPCO10A12V		Relay Pcb Single Pole Change Over 10a 12v		RE2			x	
56R9W5%B		Resistor Wire Wound 56r 9W 5% Type B		R2			x	See below

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T30AH250-6.3x32		Fuse Slow Blow 30a 250v 400a I _r 6.3x32mm		P2			x	See below
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Chassis								
IFPD-PBLK		Interior Front Panel type D Painted Black						x
EFPC-ANBLK		Exterior Front Panel Type C Anodised Black						x
SPLC02-PBLK		Side Panel Left Type C Rev02 Painted Black						x
SPRC-PBLK		Side Panel Right Type C Painted Black						x
DCSLA04-PGRY		Dustfilter clip steel left type A rev.04 Painted Grey					x	
BCC03-PBLK		Bottom Cover Type C rev.03 Painted Black						x
TCC03-PBLK		Top Cover Type C rev.03 Painted Black						x




Miscellaneous								
UID405-F02-T		UID405-F02-T FCT	Replaces all UID4xxx type F02					x
FFCP.5C24L265		Flat Flex Cable Pitch 0.5mm Cond 24 Length 265mm						X
KNBD12H15POS		Knob D12 H15 Black Push-on Slot					x	
K-RSC		Kit Rear Support type C					X	
BP3PCIFC07a-F01		BackPlane 3PCI, Fan Control Rev07 vers.a. Final assembly 01	Replaces all BP3PCIFCxxx type F01					x
F80x25-24HS		Fan 80x80x25mm 24vdc						x
B580x629x150LAB3		Box 580x629x150mm type 0427 Cardboard White Lab.gruppen 3					X	

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IBB		Interior Box type B 570x119x83mm			X		
MLUS-L530P-PCHC		Mains Lead Usa Plug type L5-30P + PowerCon High Current			X		
PEPPCA		Packing EPP Corner type A			X		
OCV2B-A00		OCV 2 Channel Type B Assembly Type 00					x
SKM13KPLM14K		Silicone Key Matt 13 Keys PLM14000					x
SRPPLM14000-115E		Sticker Rear panel PLM14000-115V ETL				x	
SRPPLM14000-230E-C		Sticker Rear panel PLM14000-230V ETL+ CE&CB Certified				x	
INAICO4		Insulation Aico4					x
RIB8-GRY40		Cable Ribbon Grey 8pole Awg26 UI2651 40mm					X
SPLML02		Sticker PLM Logotype rev.02			X		
SCAUTION04		Sticker Caution 142x25mm rev.04			X		

115v							
Mains input filter							
MIS130B01-F51-T		MIS130B01-F51-T FCT	Replaces all MIS130Bxxx type F51				x
PCSPNO40A18V		Relay Pcb Single Pole Normally Open 40a 18v		RE1			x
PCSPCO10A12V		Relay Pcb Single Pole Change Over 10a 12v		RE2			x
22R9W5%		Resistor Wire Wound 22r 9W 5%		R2			x

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TBT4.5/6.3L31.5		Tube Brass Tinned 4.5/6.3 L31.5mm		P2			x
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