3.4 SERVO AMPLIFIER MODULE (SVM) CONFIGURATION

3.4.1 SVM WITHOUT FSSB

Unit Spec	Limit current	Control PCB	Power PCB	IPM Module
A06B-6079-H101	SVM1-12	A20B-2001-0930	~~A16B-2202-0740~~	~~A50L-0001-0273/A~~
A06B-6079-H102	SVM1-20		~~A16B-2202-0741~~	
A06B-6079-H103	SVM1-40S		A16B-2203-0450	A50L-0001-0327
A06B-6079-H104	SVM1-40L		A16B-2203-0451	
A06B-6079-H105	SVM1-80		A16B-2203-0452	A50L-0001-0329
A06B-6079-H106	SVM1-130	A20B-2001-0932	A16B-2203-0454	~~A50L-0001-0274/RA~~ A50L-0001-0332
A06B-6079-H107	SVM1-240	A16B-2202-0990	A20B-1006-0485	A50L-0001-0340
A06B-6079-H108	SVM1-360	A16B-2202-0991		
A06B-6079-H121	SVM1-2	A20B-2001-0930	A16B-2202-0742	
A06B-6079-H122	SVM1-4		A16B-2202-0743	
A06B-6079-H150	SVM1-560	A16B-2202-0992	A20B-1006-0699 A20B-2002-0080 A20B-1006-0710	A50L-0001-0295/N A50L-0001-0295/P
A06B-6079-H201	SVM2-12/12	A20B-2001-0931	~~A16B-2202-0750~~	~~A50L-0001-0273/A~~
A06B-6079-H202	SVM2-12/20		~~A16B-2202-0751~~	
A06B-6079-H203	SVM2-20/20		~~A16B-2202-0752~~	
A06B-6079-H204	SVM2-12/40		A16B-2203-0590	A50l-0001-0327
A06B-6079-H205	SVM2-20/40		A16B-2203-0591	
A06B-6079-H206	SVM2-40/40		A16B-2203-0592	
A06B-6079-H207	SVM2-40/80	A20B-2001-0933	A16B-2203-0593	A50L-0001-0327 A50L-0001-0329
A06B-6079-H208	SVM2-80/80		A16B-2203-0594	A50L-0001-0329
A06B-6079-H209	SVM2-40/40		A16B-2203-0595	A50L-0001-0327
A06B-6079-H291	SVM2-3/3	A20B-2001-0931	A16B-2202-0753	
A06B-6079-H301	SVM3-12/12/12	A20B-2001-0940	~~A16B-2202-0780~~	
A06B-6079-H302	SVM3-12/12/20		~~A16B-2202-0781~~	
A06B-6079-H303	SVM3-12/20/20		~~A16B-2202-0782~~	
A06B-6079-H304	SVM3-20/20/20		~~A16B-2202-0783~~	
A06B-6079-H305	SVM3-12/12/40		~~A16B-2202-0784~~	
A06B-6079-H306	SVM3-12/20/40		~~A16B-2202-0785~~	~~A50L-0001-0273/A~~
A06B-6079-H307	SVM3-20/20/40		~~A16B-2202-0786~~	~~A50L-0001-0327~~
A06B-6080-H301	SVM3-12/12/12	A20B-2001-0950	~~A16B-2202-0780~~	
A06B-6080-H302	SVM3-12/12/20		~~A16B-2202-0781~~	
A06B-6080-H303	SVM3-12/20/20		~~A16B-2202-0782~~	
A06B-6080-H304	SVM3-20/20/20		~~A16B-2202-0783~~	
A06B-6080-H305	SVM3-12/12/40		~~A16B-2202-0784~~	
A06B-6080-H306	SVM3-12/20/40		~~A16B-2202-0785~~	
A06B-6080-H307	SVM3-20/20/40		~~A16B-2202-0786~~	

3.4.2 SVM WITH FSSB

Unit Spec	Limit current	Control PCB	Power PCB	IPM Module
A06B-6096-H101	SVM1-12	A20B-2100-0540	~~A16B-2202-0740~~	~~A50L-0001-0273/A~~
A06B-6096-H102	SVM1-20		~~A16B-2202-0741~~	
A06B-6096-H103	SVM1-40S		A16B-2203-0450	A50L-0001-0327
A06B-6096-H104	SVM1-40L		A16B-2203-0451	
A06B-6096-H105	SVM1-80		A16B-2203-0452	A50L-0001-0329
A06B-6096-H106	SVM1-130	A20B-2100-0542	A16B-2203-0454	~~A50L-0001-0274/RA~~ A50lL-0001-0332
A06B-6096-H107	SVM1-240	A16B-2203-0300	A16B-2203-0455	A50L-0001-0327
A06B-6096-H108	SVM1-360	A16B-2203-0301		
A06B-6096-H121	SVM1-2	A20B-2100-0250	A16B-2202-0742	
A06B-6096-H122	SVM1-4		A16B-2202-0743	
A06B-6096-H201	SVM2-12/12	A20B-2100-0541	~~A16B-2202-0750~~	
A06B-6096-H202	SVM2-12/20		~~A16B-2202-0751~~	~~A50L-0001-0273/A~~
A06B-6096-H203	SVM2-20/20		~~A16B-2202-0752~~	
A06B-6096-H204	SVM2-12/40		A16B-2203-0590	A50l-0001-0327
A06B-6096-H205	SVM2-20/40		A16B-2203-0591	
A06B-6096-H206	SVM2-40/40		A16B-2203-0592	
A06B-6096-H207	SVM2-40/80	A20B-2100-0543	A16B-2203-0593	A50L-0001-0327,329
A06B-6096-H208	SVM2-80/80		A16B-2203-0594	A50L-0001-0329
A06B-6096-H209	SVM2-40/40		A16B-2203-0595	A50L-0001-0327
A06B-6096-H291	SVM2-3/3	A20B-2100-0251	A16B-2202-0753	
A06B-6096-H301	SVM3-12/12/12	A20B-2100-0260	~~A16B-2202-0780~~	
A06B-6096-H302	SVM3-12/12/20		~~A16B-2202-0781~~	
A06B-6096-H303	SVM3-12/20/20		~~A16B-2202-0782~~	~~A50L-0001-0273/A~~
A06B-6096-H304	SVM3-20/20/20		~~A16B-2202-0783~~	~~A50L-0001-0327~~
A06B-6096-H305	SVM3-12/12/40		~~A16B-2202-0784~~	
A06B-6096-H306	SVM3-12/20/40		~~A16B-2202-0785~~	
A06B-6096-H307	SVM3-20/20/40		~~A16B-2202-0786~~	

A50L-0001-0273,0273#A replaced to A50L-0001-0326. Due to this update, Power PCB changed. Please see item 3.13 for specification.

【Update】

A20B-8100-0120 → A20B-2100-0250
A20B-8100-0122 → A20B-2100-0252
A20B-8100-0121 → A20B-2100-0251
A20B-8100-0123 → A20B-2100-0253

Power Board has been up dated for H1xx,H2xx. Refer to the SR2000-149(KB/0147)

IPM A50L-0001-0304, -0305 → A50L-0001-0304/S,-0305/S
FAN MOTOR A90L-0001-0423#105 → A90L-0001-0423#105S
CONTROL PCB A20B-2100-025x → A20B-2100-054x (SVM1/2)
POWER PCB A16B-2202-076x → A16B-2203-045x (SVM1)
A16B-2202-0790 → A16B-2203-0454 (SVM1)
A16B-2202-077x → A16B-2203-059x (SVM2)

3.4.3 DBM

DBM	Unit Specification	Remarks
DBM	A06B-6079-H401	SVM1-360i,180HVi,360HVi
	A06B-6069-H300	SVM1-360HVi (A1000HVi)

3.5 SPINDLE MODULE (SPM) and MOTOR Combination

Model	Specification	New Type Specification	Type	Motor Model
SPM-2.2	A06B-6078-H102/H500	A06B-6102-H102/H520	Type 4	α0.5,α1
	A06B-6078-H202/H500	A06B-6102-H202/H520	Type 1	
	A06B-6078-H302/H500	----------	Type 2	
SPM-5.5	A06B-6078-H106/H500	A06B-6102-H106/H520	Type 4	α1.5,α2,α3
	A06B-6078-H206H500	A06B-6102-H206/H520	Type 1	
	A06B-6078-H306/H500	----------	Type 2	
SPM-11	A06B-6078-H111/H500	A06B-6102-H111/H520	Type 4	α6,α8,αP8,αP12
	A06B-6078-H211/H500	A06B-6102-H211/H520	Type 1	
	A06B-6078-H311/H500	----------	Type 2	
	A06B-6078-H411/H500	----------	Type 3	
SPM-15	A06B-6088-H115/H500	A06B-6102-H115/H520	Type 4	α12,αP15,αP18
	A06B-6088-H215/H500	A06B-6102-H215/H520	Type 1	
	A06B-6088-H315/H500	----------	Type 2	
	A06B-6088-H415/H500	----------	Type 3	
SPM-22	A06B-6088-H122/H500	A06B-6102-H122/H520	Type 4	α15,α18,αP22,αP30
	A06B-6088-H222/H500	A06B-6102-H222/H520	Type 1	
	A06B-6088-H322/H500	----------	Type 2	
	A06B-6088-H422/H500	----------	Type 3	
SPM-26	A06B-6088-H126/H500	A06B-6102-H126/H520	Type 4	α22,αP40,αP50
	A06B-6088-H226/H500	A06B-6102-H226/H520	Type 1	
	A06B-6088-H326/H500	----------	Type 2	
	A06B-6088-H426/H500	----------	Type 3	
SPM-30	A06B-6088-H130/H500	A06B-6102-H130/H520	Type 4	αP60
	A06B-6088-H230/H500	A06B-6102-H230/H520	Type 1	
	A06B-6088-H330/H500	----------	Type 2	
	A06B-6088-H430/H500	----------	Type 3	
SPM-45	A06B-6088-H145/H500	A06B-6102-H145/H520	Type 4	α30,α40
	A06B-6088-H245/H500	A06B-6102-H245/H520	Type 1	
	A06B-6088-H345/H500	----------	Type 2	
	A06B-6088-H445/H500	----------	Type 3	
SPM-55	A06B-6088-H155/H500	A06B-6102-H155/H520	Type 4	
	A06B-6088-H255/H500	A06B-6102-H255/H520	Type 1	
	A06B-6088-H355/H500		Type 2	
SPMC-2.2	A06B-6082-H202/H511	----------		αC1
SPMC-5.5	A06B-6082-H206/H511	----------		αC1.5,αC2,αC3
SPMC-11	A06B-6082-H211/H511	----------		αC6,αC8
SPMC-15	A06B-6082-H215/H511	----------		αC12
SPMC-22	A06B-6082-H222/H511	----------		αC15,αC18
SPMC-26	A06B-6082-H226/H511	----------		αC22

Model	Specification	New Type Specification	Type	Motor Model
SPM-11HV	A06B-6092-H111/H500	A06B-6104-H111/H520	Type 4	α6HV,α8HV
	A06B-6092-H211/H500	A06B-6104-H211/H520	Type 1	
	A06B-6092-H311/H500	----------	Type 2	
SPM-15HV	A06B-6092-H115/H500	A06B-6104-H115/H520	Type 4	α12HV
	A06B-6092-H215/H500	A06B-6104-H215/H520	Type 1	
	A06B-6092-H315/H500	----------	Type 2	
SPM-26HV	A06B-6092-H126/H500	A06B-6104-H126/H520	Type 4	α15HV,α18HV,α22HV
	A06B-6092-H226/H500	A06B-6104-H226/H520	Type 1	
	A06B-6092-H326/H500	----------	Type 2	
SPM-45HV	A06B-6092-H145/H500	A06B-6104-H145/H520	Type 4	α30HV,α40HV
	A06B-6092-H245/H500	A06B-6104-H245/H520	Type 1	
	A06B-6092-H345/H500	----------	Type 2	
SPM-75HV	A06B-6092-H175/H500	A06B-6104-H175/H520	Type 4	α60HV
	A06B-6092-H275/H500	A06B-6104-H275/H520	Type 1	
	A06B-6092-H375/H500	----------	Type 2	
	A06B-6092-H475/H500	----------	Type 3	

(From Aug.1999)

3.6 SPM Software list

Series	Name	Specification	Remarks
9D00	α SERIES	H500	
9D01	α SERIES	H501	
9D0A	α SERIES		
9D10	αC SERIES	H510	→ 9D11
9D11	αC SERIES	H511	
9D12	αC SERIES	H512	

3.7 SPINDLE AMPLIFIER MODULE (SPM) CONFIGURATION

3.7.1 Standard (Type-I)

Model	Specification	Control PCB	Power PCB	Drive Module	Charge Indicator	IPM/IGBT Module
SPM-2.2	A06B-6078-H202	A16B-2203-0330	A16B-2202-0680	----------	----------	A50L-0001-0327
SPM-5.5	A06B-6078-H206	A16B-2203-0331	A16B-2202-0681			
SPM-11	A06B-6078-H211		A16B-2202-0682			A50L-0001-0331
SPM-15	A06B-6088-H215	A16B-2203-0332	A20B-1006-0486	A20B-2902-0390		A50L-0001-0261/S
SPM-22	A06B-6088-H222		A20B-1006-0487			A50L-0001-0337
SPM-26	A06B-6088-H226		A20B-1006-0488			A50L-0001-0338
SPM-30	A06B-6088-H230		A20B-1006-0489			A50L-0001-0340
SPM-45	A06B-6088-H245		A20B-1007-0591	A20B-2002-0080	A20B-1006-0710	A50L-0001-0295/PS A50L-0001-0295/NS
SPM-55	A06B-6088-H255		A20B-1007-0590	A20B-2002-0081		A50L-0001-0295/PS A50L-0001-0295/NS

Control board

A16B-2202-0430 → A16B-2203-0330

A16B-2202-0431 → A16B-2203-0331

A16B-2202-0432 → A16B-2203-0332 Update from Sep/1998 (A-53866-349)

Power board

A20B-1006-0480 → A20B-1006-0486

A20B-1006-0481 → A20B-1006-0487

A20B-1006-0482 → A20B-1006-0488

A20B-1006-0483 → A20B-1006-0489

A20B-1006-0690 → A20B-1007-0591

A20B-1006-0691 → A20B-1007-0592 Update from Jun/99 (KB No. A-SERVO/0108)

3.7.2 Standard New Type (Type-I)

Model	Specification	Control PCB	Power PCB	Drive Module	Charge Indicator	IPM/IGBT Module
SPM-2.2	A06B-6102-H202	A16B-2203-0500	A16B-2202-0680	----------	----------	A50L-0001-0327
SPM-5.5	A06B-6102-H206	A16B-2203-0501	A16B-2202-0681			
SPM-11	A06B-6102-H211		A16B-2202-0682			A50L-0001-0331
SPM-15	A06B-6102-H215	A16B-2203-0502	A20B-1006-0486	A20B-2902-0390		A50L-0001-0261/S
SPM-22	A06B-6102-H222		A20B-1006-0487			A50L-0001-0337
SPM-26	A06B-6102-H226		A20B-1006-0488			A50L-0001-0338
SPM-30	A06B-6102-H230		A20B-1006-0489			A50L-0001-0340
SPM-45	A06B-6102-H245		A20B-1007-0591	A20B-2002-0080	A20B-1006-0710	A50L-0001-0295/PS A50L-0001-0295/NS
SPM-55	A06B-6102-H255		A20B-1007-0590	A20B-2002-0081		A50L-0001-0295/PS A50L-0001-0295/NS

3.7.3 Cs Contouring / Separate built in sensor (BZ Sensor) (Type-II)

Model	Specification	Control PCB	Power PCB	Detector Module	Drive Module	IPM/IGBT Module
SPM-2.2	A06B-6078-H302	A16B-2202-0433	A16B-2202-0680	A20B-2901-0851	----------	A50L-0001-0327
SPM-5.5	A06B-6078-H306	A16B-2202-0434	A16B-2202-0681			
SPM-11	A06B-6078-H311		A16B-2202-0682		A20B-2902-0390	A50L-0001-0331
SPM-15	A06B-6088-H315	A16B-2202-0435 (+A20B-1006-0710)	A20B-1006-0486			A50L-0001-0261/S
SPM-22	A06B-6088-H322		A20B-1006-0487			A50L-0001-0337
SPM-26	A06B-6088-H326		A20B-1006-0488			A50L-0001-0338
SPM-30	A06B-6088-H330		A20B-1006-0489			A50L-0001-0340
SPM-45	A06B-6088-H345		A20B-1007-0591		A20B-2002-0080	A50L-0001-0295/PS A50L-0001-0295/NS
SPM-55	A06B-6088-H355		A20B-1007-0590		A20B-2002-0081	A50L-0001-0295/PS A50L-0001-0295/NS

3.7.4 Spindle switching / Differential speed control (Type-III)

Model	Specification	Control PCB	Power PCB	Detector Module	Drive Module	IPM/IGBT Module
SPM-11	A06B-6088-H411	A16B-2202-0440 A20B-2001-0700 (Connector PCB) (+A20B-1006-0710)	A20B-1006-0484	A20B-2901-0851	A20B-2902-0390	A50L-0001-0261/S
SPM-15	A06B-6088-H415		A20B-1006-0486			A50L-0001-0261/S
SPM-22	A06B-6088-H422		A20B-1006-0487			A50L-0001-0337
SPM-26	A06B-6088-H426		A20B-1006-0488			A50L-0001-0338
SPM-30	A06B-6088-H430		A20B-1006-0489			A50L-0001-0340
SPM-45	A06B-6088-H445		A20B-1007-0591		A20B-2002-0080	A50L-0001-0295/PS A50L-0001-0295/NS

3.7.5 Cs Contouring (Type IV)

Specification	Control PCB	Power PCB	Detector Module	Drive Module	Charge Indicator	IPM/IGBT Module
A06B-6078-H102	A16B-2202-0433	A16B-2202-0680	A20B-2902-0620	----------	----------	A50L-0001-0327
A06B-6078-H106	A16B-2202-0434	A16B-2202-0681				
A06B-6078-H111		A16B-2202-0682		A20B-2902-0390	----------	A50L-0001-0331
A06B-6088-H115	A16B-2202-0435	A20B-1006-0486				A50L-0001-0261/S
A06B-6088-H122		A20B-1006-0487				A50L-0001-0337
A06B-6088-H126		A20B-1006-0488				A50L-0001-0338
A06B-6088-H130		A20B-1006-0489				A50L-0001-0340
A06B-6088-H145		A20B-1007-0691		A20B-2002-0080	A20B-1006-0710	A50L-0001-0295/PS A50L-0001-0295/NS
A06B-6088-H155		A20B-1007-0690		A20B-2002-0081		A50L-0001-0295/PS A50L-0001-0295/NS

A20B-2902-0610 → A20B-2902-0620 Updated

3.7.6 Cs Contouring New Type(Type IV)

Specification	Control PCB	Power PCB	Detector Module	Drive Module	Charge Indicator	IPM/IGBT Module
A06B-6102-H102	A16B-2203-0503	A16B-2202-0680	A20B-2902-0620	----------	----------	A50L-0001-0327
A06B-6102-H106	A16B-2203-0504	A16B-2202-0681				
A06B-6102-H111		A16B-2202-0682		A20B-2902-0390	----------	A50L-0001-0331
A06B-6102-H115	A16B-2203-0505	A20B-1006-0486				A50L-0001-0261/S
A06B-6102-H122		A20B-1006-0487				A50L-0001-0337
A06B-6102-H126		A20B-1006-0488				A50L-0001-0338
A06B-6102-H130		A20B-1006-0489				A50L-0001-0340
A06B-6102-H145		A20B-1007-0691		A20B-2002-0080	A20B-1006-0710	A50L-0001-0295/PS A50L-0001-0295/NS
A06B-6102-H155		A20B-1007-0690		A20B-2002-0081		A50L-0001-0295/PS A50L-0001-0295/NS

3.7.7 αC Series

Model	Specification	Control PCB	Power PCB	Driver PCB	IPM/IGBT Module
SPMC-2.2	A06B-6082-H202	A20B-2001-0780	A16B-2202-0680		A50L-0001-0327
PMC-5.5	A06B-6082-H206	A20B-2001-0781	A16B-2202-0681		A50L-0001-0327
SPMC-11	A06B-6082-H211		A16B-2202-0682		A50L-0001-0331
SPMC-15	A06B-6082-H215	A16B-2202-0840	A20B-1006-0486	A20B-2902-0390	A50L-0001-0338
SPMC-22	A06B-6082-H222		A20B-1006-0487		A50L-0001-0337
SPMC-26	A06B-6082-H226		A20B-1006-0488		A50L-0001-0338

3.7.8 HV Series (Type-I)

Model	Specification	Control PCB	Power PCB	Drive Module	IPM/IGBT Module
SPM-11HV	A06B-6092-H211	A16B-2202-0431	A16B-2203-0160		A50L-0001-0282
SPM-15HV	A06B-6092-H215	A16B-2202-0432	A20B-1006-0551	A20B-2002-0080	A50L-0001-0294
SPM-26HV	A06B-6092-H226		A20B-1006-0550		A50L-0001-0293
SPM-45HV	A06B-6092-H245		A20B-1006-0890		A50L-0001-0288
SPM-75HV	A06B-6092-H275		A20B-1006-0691		A50L-0001-0299/N A50L-0001-0299/P

Model	Specification	Control PCB	Power PCB	Drive Module	IPM/IGBT Module
SPM-11HV	A06B-6104-H211	A16B-2203-0501	A16B-2203-0160		A50L-0001-0282
SPM-15HV	A06B-6104-H215	A16B-2203-H502	A20B-1006-0551	A20B-2002-0080	A50L-0001-0294
SPM-26HV	A06B-6104-H226		A20B-1006-0550		A50L-0001-0293
SPM-45HV	A06B-6104-H245		A20B-1006-0890		A50L-0001-0288
SPM-75HV	A06B-6104-H275		A20B-1006-0691		A50L-0001-0299/N A50L-0001-0299/P

3.7.9 HV Series (Type-II)

Model	Specification	Control PCB	Power PCB	Detector Module	Drive Module	IPM/IGBT Module
SPM-11HV	A06B-6092-H311	A16B-2202-0431	A16B-2203-0160	A20B-2901-0851	A20B-2002-0080	A50L-0001-0282
SPM-15HV	A06B-6092-H315	A16B-2202-0432	A20B-1006-0551			A50L-0001-0294
SPM-26HV	A06B-6092-H326		A20B-1006-0550			A50L-0001-0293
SPM-45HV	A06B-6092-H345		A20B-1006-0890			A50L-0001-0288
SPM-75HV	A06B-6092-H375		A20B-1006-0691			A50L-0001-0299/N A50L-0001-0299/P

3.7.10 HV Series (Type-III)

Model	Specification	Control PCB	Power PCB	Detector Module	Drive Module	IPM/IGBT Module
SPM-45HV	A06B-6092-H475	A20B-2202-0440	A20B-1007-0592	A20B-2901-0851	A20B-2002-0080	A50L-0001-0299/N A50L-0001-0299/P

3.7.11 HV Series (Type-IV)

Model	Specification	Control PCB	Power PCB	Detector Module	Drive Module	IPM/IGBT Module
SPM-11HV	A06B-6092-H111	A16B-2202-0434	A16B-2203-0160	A20B-2902-0620	A20B-2002-0080	A50L-0001-0282
SPM-15HV	A06B-6092-H115	A16B-2202-0435	A20B-1006-0551			A50L-0001-0294
SPM-26HV	A06B-6092-H126		A20B-1006-0550			A50L-0001-0293
SPM-45HV	A06B-6092-H145		A20B-1006-0890			A50L-0001-0288
SPM-75HV	A06B-6092-H175		A20B-1006-0691			A50L-0001-0299/N A50L-0001-0299/P

Model	Specification	Control PCB	Power PCB	Detector Module	Drive Module	IPM/IGBT Module
SPM-11HV	A06B-6104-H111	A16B-2203-0504	A16B-2203-0160	A20B-2902-0620	A20B-2002-0080	A50L-0001-0282
SPM-15HV	A06B-6104-H115	A16B-2203-0505	A20B-1006-0551			A50L-0001-0294
SPM-26HV	A06B-6104-H126		A20B-1006-0550			A50L-0001-0293
SPM-45HV	A06B-6104-H145		A20B-1006-0890			A50L-0001-0288
SPM-75HV	A06B-6104-H175		A20B-1006-0691			A50L-0001-0299/N A50L-0001-0299/P

A20B-2902-0610 → A20B-2902-0620 Updated

3.8 α Series update history

3.8.1 PSMR

Model	D Series	α Serie	α Before CE MARK	α CE MARK	EMC/NEW
PSMR-1	----------	-------	A06B-6081-H101 (Edition B or before) A16B-2202-0540 (Edition 06A or before) A16B-2300-0100	A06B-6081-H101 (Edition C or later) A16B-2202-0540 (Edition 07B or before) A20B-2001-0890(01A)	A06B-6081-H101 (Edition E or later) A16B-2202-0540 (Edition 10C or before) A20B-2001-0890(02B)
PSMR-3	----------	-------	A06B-6081-H103 (Edition B or before) A16B-2202-0542 (Edition 05A or before) A16B-2300-0100	A06B-6081-H103 (Edition C or later) A16B-2202-0542 (Edition 06B or before) A20B-2001-0890(01A)	A06B-6081-H103 (Edition E or later) A16B-2202-0542 (Edition 10C or before) A20B-2001-0890(02B)
PSMR-5.5	----------	-------	A06B-6081-H106 (Edition B or before) A16B-2202-0541 (Edition 05A or before) A16B-2300-0100	A06B-6081-H106 (Edition C or later) A16B-2202-0541 (Edition 06B or before) A20B-2001-0890(01A)	A06B-6081-H106 (Edition E or later) A16B-2202-0541 (Edition 10C or before) A20B-2001-0890(02B)

3.8.2 PSM

Model	D Series	α Series	α Before CE MARK	α CE MARK	EMC/NEW
PSM-5.5	----------	----------	A06B-6077-H106(A) A16B-2202-0461 A16B-2202-0420 (Edition 04C or before) A50L-0001-0275	A06B-6077-H106(B) A16B-2202-0661(01A) A16B-2202-0420 (Edition 05D or later) A50L-0001-0291	A06B-6077-H106(B) A16B-2202-0661(02A) A16B-2202-0420 (Edition 09E or later) A50L-0001-0291
PSM-11	----------	----------	A06B-6077-H111(A) A16B-2202-0461 A16B-2202-0420 (Edition 04C or before) A50L-0001-0275	A06B-6077-H111(B) A16B-2202-0661(01A) A16B-2202-0420 (Edition 05D or later) A50L-0001-0291	A06B-6077-H111(B) A16B-2202-0661(02A) A16B-2202-0420 (Edition 09E or later) A50L-0001-0291
PSM-15	A06B-6071-H112 A20B-1005-0591 A20B-2001-0011 A16B-2202-0080 A20B-2001-0130 A50L-0001-0260	A06B-6077-H115 A20B-1005-0591 A20B-2001-0011 A16B-2202-0080 A20B-2001-0130 A50L-0001-0260	A06B-6087-H115(A) A20B-1006-0160 A20B-2902-0280 A16B-2202-0421 (Edition 04C or before) ---------- A50L-0001-0261/A	A06B-6087-H115(B) A20B-1006-0470(01A) A20B-2902-0390 A16B-2202-0421 (Edition 05D or later) ---------- A50L-0001-0261/A	A06B-6087-H115(B) A20B-1006-0470(01A) A20B-2902-0390 A16B-2202-0421 (Edition 08E or later) ---------- A50L-0001-0301
PSM-26	A06B-6071-H122 A20B-1005-0590 A20B-2001-0011 A16B-2202-0080 A20B-2001-0130 A50L-0001-0260	A06B-6077-H126 A20B-1005-0590 A20B-2001-0011 A16B-2202-0080 A20B-2001-0130 A50L-0001-0260	A06B-6087-H126(B) A20B-1006-0161 A20B-2902-0280 A16B-2202-0421 (Edition 04C or before) ---------- A50L-0001-0260/A	A06B-6087-H126(C) A20B-1006-0471(01A) A20B-2902-0390 A16B-2202-0421 (Edition 05D or later) ---------- A50L-0001-0302	A06B-6087-H126(C) A20B-1006-0471(01A) A20B-2902-0390 A16B-2202-0421 (Edition 08E or later) ---------- A50L-0001-0302
PSM-30	A06B-6071-H126 A20B-1005-0592 A20B-2001-0011 A16B-2202-0080 A20B-2001-0130 A50L-0001-0259	A06B-6077-H130 A20B-1005-0592 A20B-2001-0011 A16B-2202-0080 A20B-2001-0130 A50L-0001-0259	A06B-6087-H130(B) A20B-1006-0162 A20B-2902-0280 A16B-2202-0421 (Edition 04C or before) ---------- A50L-0001-0259/A	A06B-6087-H130(C) A20B-1006-0472(01A) A20B-2902-0390 A16B-2202-0421 (Edition 05D or later) ---------- A50L-0001-0303	A06B-6087-H130(C) A20B-1006-0472(01A) A20B-2902-0390 A16B-2202-0421 (Edition 08E or later) ---------- A50L-0001-0303

3.8.3 SVM1

Model	D Series	α Series	α Series CE MARK
SVM1-12	----------	A06B-6079-H101 A16B-2202-0480 A20B-2001-0820 A50L-0001-0273	A06B-6079-H101 A16B-2202-0740 A20B-2001-0930 A50L-0001-0273
SVM1-20	----------	A06B-6079-H102 A16B-2202-0481 A20B-2001-0820 A50L-0001-0273	A06B-6079-H103 A16B-2202-0741 A20B-2001-0930 A50L-0001-0273
SVM1-40S	----------	A06B-6079-H103 A16B-2202-0600 A20B-2001-0820 A50L-0001-0266	A06B-6079-H103 A16B-2202-0760 A20B-2001-0930 A50L-0001-0266
SVM1-40L	A06B-6073-H004 A16B-2202-0360 A20B-2001-0540 A50L-0001-0266	A06B-6079-H104 A16B-2202-0601 A20B-2001-0820 A50L-0001-0266	A06B-6079-H104 A16B-2202-0761 A20B-2001-0930 A50L-0001-0266
	A06B-6073-H104 A16B-2202-0220 A20B-2001-0410 A50L-0001-0266		
SVM1-80	A06B-6073-H106 A16B-2202-0221 A20B-2001-0410 A50L-0001-0267	A06B-6079-H105 A16B-2202-0602 A20B-2001-0820 A50L-0001-0267	A06B-6079-H105 A16B-2202-0762 A20B-2001-0930 A50L-0001-0267
SVM1-130		A06B-6079-H106 A16B-2202-0510 A20B-2001-0822 A50L-0001-0274	A06B-6079-H106 A16B-2202-0790 A20B-2001-0932 A50L-0001-0274
SVM1-2		A06B-6079-H121 A16B-2202-0482 A20B-2001-0820	A06B-6079-H121 A16B-2202-0742 A20B-2001-0930
SVM1-4		A06B-6079-H122 A16B-2202-0483 A20B-2001-0820	A06B-6079-H122 A16B-2202-0743 A20B-2001-0930

3.8.4 SVM2

Model	D Series	α Series	α Series CE MARK
SVM2-12/12		A06B-6079-H201 A16B-2202-0490 A20B-2001-0821 A50L-0001-0273	A06B-6079-H201 A16B-2202-0750 A20B-2001-0931 A50L-0001-0273
SVM2-12/20		A06B-6079-H202 A50L-0001-0273 A20B-2001-0821 A50L-0001-0273	A06B-6079-H202 A20B-2202-0751 A20B-2001-0931 A50L-0001-0273
SVM2-20/20		A06B-6079-H203 A16B-2202-0492 A20B-2001-0821 A50L-0001-0273	A06B-6079-H203 A20B-2202-0752 A20B-2001-0931 A50L-0001-0273
SVM2-12/40	A06B-6073-H034 A16B-2202-0373 A20B-2001-0541 A50L-0001-0266	A06B-6079-H204 A16B-2202-0610 A20B-2001-0821 A50L-0001-0266	A06B-6079-H204 A16B-2202-0770 A20B-2001-0931 A50L-0001-0266
SVM2-20/40	A06B-6073-H074	A06B-6079-H205 A16B-2202-0611 A20B-2001-0821 A50L-0001-0266	A06B-6079-H205 A16B-2202-0771 A20B-2001-0931 A50L-0001-0266
SVM2-40/40	A06B-6073-H044 A16B-2202-0370 A20B-2001-0541 A50L-0001-0266 A06B-6073-H144	A06B-6079-H206 A16B-2202-0612 A20B-2001-0821 A50L-0001-0266	A06B-6079-H206 A16B-2202-0772 A20B-2001-0931 A50L-0001-0266
	A16B-2202-0230 A20B-2001-0411 A50L-0001-0266		
SVM2-40/80	A06B-6073-H146 A16B-2202-0231 A20B-2001-0411 A50L-0001-0266 A50L-0001-0267	A06B-6079-H207 A16B-2202-0613 A20B-2001-0823 A50L-0001-0266 A50L-0001-0267	A06B-6079-H207 A16B-2202-0773 A20B-2001-0933 A50L-0001-0266 A50L-0001-0267
SVM2-80/80	A06B-6073-H166 A16B-2202-0232 A20B-2001-0411 A50L-0001-0267	A06B-6079-H208 A16B-2202-0614 A20B-2001-0823 A50L-0001-0267	A06B-6079-H208 A16B-2202-0774 A20B-2001-0933 A50L-0001-0267

3.8.5 SPM

3.8.5.1 TYPE I

Model	α Series	α Before CE Mark	α CE Mark	α EMC/NEW
SPM-2.2	----------	A06B-6078-H202(A) A16B-2202-0470 A16B-2202-0430 (Edition 07C or Before) A50L-0001-0266	A06B-6078-H202(B) A16B-2202-0680(01A) A16B-2202-0430 (Edition 08D or later) A50L-0001-0266	A06B-6078-H202(C) A16B-2202-0680(01A) A16B-2202-0430 (Edition 12D or later) A50L-0001-0266
SPM-5.5	----------	A06B-6078-H206(A) A16B-2202-0471 A16B-2202-0431 (Edition 07C or Before) A50L-0001-0266	A06B-6078-H206(B) A16B-2202-0681(01A) A16B-2202-0431 (Edition 08D or later) A50L-0001-0266	A06B-6078-H206(C) A16B-2202-0681(01A) A16B-2202-0431 (Edition 12D oR Later) A50L-0001-0266
SPM-11	----------	A06B-6078-H211(A) A16B-2202-0472 A16B-2202-0431 (Edition 07C or Before) A50L-0001-0275	A06B-6078-H211(A) A16B-2202-0682(01A) A16B-2202-0431 (Edition 08D or later) A50L-0001-0275	A06B-6078-H211(C) A16B-2202-0682(01A) A16B-2202-0431 (Edition 12D or later) A50L-0001-0275
SPM-15	A06B-6078-H215 A20B-1005-0572 A20B-2001-0010 A20B-2202-0070 A20B-2001-0150 A50L-0001-0260	A06B-6088-H215(A) A20B-1006-0170 A20B-2902-0280 A16B-2202-0432 (Edition 04A or before) ---------- A50L-0001-0261/A	A06B-6088-H215(B) A20B-1006-0480(01A) A20B-2902-0390 A16B-2202-0432 (Edition 05D or later) ---------- A50L-0001-0261/A	A06B-6088-H215(C) A20B-1006-0480(01A) A20B-2902-0390 A16B-2202-0432 (Edituion 09B or later) ---------- A50L-0001-0261/A
SPM-22	A06B-6078-H222 A20B-1005-0571 A20B-2001-0010 A16B-2202-0070 A20B-2001-0150 A50L-0001-0260	A06B-6088-H222(A,B) A20B-1006-0171 A20B-2902-0280 A16B-2202-0432 (Edition 04A or Before) A50L-0001-0260/A	A06B-6088-H222(C) A20B-1006-0481(01A) A20B-2902-0390 A16B-2202-0432 (Edition 05D or later) A50L-0001-0260/A	A06B-6088-H222(D) A20B-1006-0481(01A) A20B-2902-0390 A16B-2202-0432 (Rdition 09B or later) A50L-0001-0260/A
SPM-26	A06B-6078-H226 A20B-1005-0570 A20B-2001-0010 A16B-2202-0070 A20B-2001-0150 A50L-0001-0259	A06B-6088-H226(A,B) A20B-1006-0172 A20B-2902-0280 A16B-2202-0432 (Edition 04A or Before) A50L-0001-0259/A	A06B-6088-H226(C) A20B-1006-0482(01A) A20B-2902-0390 A16B-2202-0432 (Edition 05D or later) A50L-0001-0259/A	A06B-6088-H226(D) A20B-1006-0482(01A) A20B-2902-0390 A16B-2202-0432 (Edition 09B or later) A50L-0001-0259/A
SPM-30	A06B-6078-H230 A20B-1005-0575 A20B-2001-0010 A16B-2202-0070 A20B-2001-0150 A50L-0001-0258	----------	A06B-6088-H230(A) A20B-1006-0483(01A) A20B-2902-0390 A16B-2202-0432 (Edition 05D or later) A50L-0001-0295/N	A06B-6088-H230(A) A20B-1006-0483(01A) A20B-2902-0390 A16B-2202-0432 (Edition 09B or later) A50L-0001-0295/N
SPM-45		----------	A06B-6088-H245(A) A20B-1006-0690(01A) A20B-2002-0080 A16B-2202-0432 (Edition 05D or later) A50L-0001-0295/P	A06B-6088-H245(A) A20B-1006-0690(01A) A20B-2002-0080 A16B-2202-0432 (Edition 09B or later) A50L-0001-0295/P

3.8.5.2 TYPE II

Model	α Series	α Before CE Mark	α CE Mark	α EMC/NEW
SPM-2.2	----------	A06B-6078-H302(A) A16B-2202-0470 A16B-2202-0433 (Edition 07C or Before) A50L-0001-0266	A06B-6078-H302(B) A16B-2202-0680(01A) A16B-2202-0433 (Edition 08D or later) A50L-0001-0266	A06B-6078-H302(C) A16B-2202-0680(01A) A16B-2202-0433 (Edition 12D or later) A50L-0001-0266
SPM-5.5	----------	A06B-6078-H306(A) A16B-2202-0471 A16B-2202-0434 (Edition 07C or Before) A50L-0001-0266	A06B-6078-H306(B) A16B-2202-0681(01A) A16B-2202-0434 (Edition 08D or later) A50L-0001-0266	A06B-6078-H306(C) A16B-2202-0681(01A) A16B-2202-0434 (Edition 12D or Later) A50L-0001-0266
SPM-11	----------	A06B-6078-H311(A) A16B-2202-0472 A16B-2202-0434 (Edition 07C or Before) A50L-0001-0275	A06B-6078-H311(A) A16B-2202-0682(01A) A16B-2202-0434 (Edition 08D or later) A50L-0001-0275	A06B-6078-H311(C) A16B-2202-0682(01A) A16B-2202-0434 (Edition 12D or later) A50L-0001-0275
SPM-15	A06B-6078-H315 A20B-1005-0572 A20B-2001-0010 A20B-2202-0160 A20B-2001-0140 A50L-0001-0260	A06B-6088-H315(A) A20B-1006-0170 A20B-2902-0280 A16B-2202-0435 (Edition 04A or before) ---------- A50L-0001-0261/A	A06B-6088-H315(B) A20B-1006-0480(01A) A20B-2902-0390 A16B-2202-0435 (Edition 05D or later) ---------- A50L-0001-0261/A	A06B-6088-H315(C) A16B-1006-0480(01A) A20B-2902-0390 A16B-2202-0435 (Edition 09B or later) ---------- A50L-0001-0261/A
SPM-22	A06B-6078-H322 A20B-1005-0571 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0260	A06B-6088-H322(A,B) A20B-1006-0171 A20B-2902-0280 A16B-2202-0435 (Edition 04A or Before) A50L-0001-0260/A	A06B-6088-H322(C) A20B-1006-0481(01A) A20B-2902-0390 A16B-2202-0435 (Edition 05D or later) A50L-0001-0260/A	A06B-6088-H322(D) A16B-1006-0481(01A) A20B-2902-0390 A16B-2202-0435 (Edition 09B or later) A50L-0001-0260/A
SPM-26	A06B-6078-H326 A20B-1005-0570 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0259	A06B-6088-H326(A,B) A20B-1006-0172 A20B-2902-0280 A16B-2202-0435 (Edition 04A or Before) A50L-0001-0259/A	A06B-6088-H326(C) A20B-1006-0482(01A) A20B-2902-0390 A16B-2202-0435 (Edition 05D or later) A50L-0001-0259/A	A06B-6088-H326(D) A20B-1006-0482(01A) A20B-2902-0390 A16B-2202-0435 (Edition 09B or later) A50L-0001-0259/A
SPM-30	A06B-6078-H330 A20B-1005-0575 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0258	----------	A06B-6088-H330(A) A20B-1006-0483(01A) A20B-2902-0390 A16B-2202-0435 (Edition 05D or later) A50L-0001-0295/N	A06B-6088-H330(A) A20B-1006-0483(01A) A20B-2902-0390 A16B-2202-0435 (Edition 09B or later) A50L-0001-0295/N
SPM-45		----------	A06B-6088-H345(A) A20B-1006-0690(01A) A20B-2002-0080 A16B-2202-0435 (Edition 05D or later) A50L-0001-0295/P	A06B-6088-H345(A) A20B-1006-0690(01A) A20B-2002-0080 A16B-2202-0435 (Edition 09B or later) A50L-0001-0295/P

3.8.5.3 TYPE III

Model	α Series	α Series Before CE Mark	α Series CE Mark	EMC/NEW
SPM-11	A06B-6078-H411 A20B-1005-0574 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0260	---------- ----	A06B-6088-H411(A) A20B-1006-0484 A20B-2902-0390 A16B-2202-0440 A20B-2001-0700 A50L-0001-0261/A	A06B-6088-H411(B) A20B-1006-0484 A20B-2902-0390 A16B-2202-0440(02A) A20B-2001-0700 A50L-0001-0261/A
SPM-15	A06B-6078-H415 A20B-1005-0572 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0260	A06B-6088-H415(A) A20B-1006-0170 A20B-2902-0280 A16B-2202-0440 A20B-2001-0700 A50L-0001-0261/A	A06B-6088-H415(B) A20B-1006-0480 A20B-2902-0390 A16B-2202-0440 A20B-2001-0700 A50L-0001-0261/A	A06B-6088-H415(C) A20B-1006-0480 A20B-2902-0390 A16B-2202-0440(02A) A20B-2001-0700 A50L-0001-0261/A
SPM-22	A06B-6078-H422 A20B-1005-0571 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0260	A06B-6088-H422(A,B) A20B-1006-0171 A20B-2902-0280 A16B-2202-0440 A20B-2001-0700 A50L-0001-0260/A	A06B-6088-H422(C) A20B-1006-0481 A20B-2902-0390 A16B-2202-0440 A20B-2001-0700 A50L-0001-0260/A	A06B-6088-H422(D) A20B-1006-0481 A20B-2902-0390 A16B-2202-0440(02A) A20B-2001-0700 A50L-0001-0260/A
SPM-26	A06B-6078-H426 A20B-1005-0570 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0259	A06B-6088-H426(A,B) A20B-1006-0172 A20B-2902-0280 A16B-2202-0440 A20B-2001-0700 A50L-0001-0259/A	A06B-6088-H426(C) A20B-1006-0482 A20B-2902-0390 A16B-2202-0440 A20B-2001-0700 A50L-0001-0259/A	A06B-6088-H426(D) A20B-1006-0482 A20B-2902-0390 A16B-2202-0440(02A) A20B-2001-0700 A50L-0001-0259/A
SPM-30	A06B-6078-H430 A20B-1005-0575 A20B-2001-0010 A16B-2202-0160 A20B-2001-0140 A50L-0001-0258	---------- ------	A06B-6088-H430(A) A20B-1006-0483 A20B-2902-0390 A16B-2202-0440 A20B-2001-0700 A50L-0001-0284	A06B-6088-H430(A) A20B-1006-0483 A20B-2902-0390 A16B-2202-0440(02A) A20B-2001-0700 A50L-0001-0284
SPM-45	----------	---------- -------	A06B-6088-H445(A) A20B-1006-0690 A20B-2002-0080 A16B-2202-0440 A20B-2001-0700 A50L-0001-0295/N A50L-0001-0295/P	A06B-6088-H445(A) A20B-1006-0690 A20B-2002-0080 A16B-2202-0440(02A) A20B-2001-0700 A50L-0001-0295/N A50L-0001-0295/P

3.8.5.4 SPMC

Model	α Series Before CE Mark	α Series CE Mark	EMC/NEW
SPMC-2.2	A06B-6082-H202(A) A16B-2202-0470 A20B-2001-0780 (Edition 02A or Before) A50L-0001-0266	A06B-6082-H202(B) A16B-2202-0680 A20B-2001-0780 (Edition 03B or later) A50L-0001-0266	A06B-6082-H202(C) A16B-2202-0680 A20B-2001-0780 (Edition 04B or later) A50L-0001-0266/N
SPMC-5.5	A06B-6082-H206(A) A16B-2202-0471 A20B-2001-0781 (Edition 02A or Before) A50L-0001-0276	A06B-6082-H206(B) A16B-2202-0681 A20B-2001-0781 (Edition 03B or later) A50L-0001-0266	A06B-6082-H206(C) A16B-2202-0681 A20B-2001-0781 (Edition 04B or later) A50L-0001-0266/N
SPMC-11	A06B-6082-H211(A) A16B-2202-0472 A20B-2001-0781 (Edition 02A or Before) A50L-0001-0275	A06B-6082-H211(B) A16B-2202-0682 A20B-2001-0781 (Edition 03B or later) A50L-0001-0275	A06B-6082-H211(C) A16B-2202-0682 A20B-2001-0781 (Edition 03B or later) A50L-0001-0275/N
SPMC-15	A06B-6082-H215/H315(A) A20B-1006-0170 A20B-2902-0280 A16B-2202-0840(01A) A50L-0001-0261/A	A06B-6082-H215/H315(B) A20B-1006-0480 A20B-2902-0390 A16B-2202-0840(01A) A50L-0001-0261/A	A06B-6082-H215/H315(C) A20B-1006-0480 A20B-2902-0390 A16B-2202-0840(01A) A50L-0001-0261/N
SPMC-22	A06B-6082-H222/H322(A,B) A20B-1006-0171 A20B-2902-0280 A16B-2202-0840(01A) A50L-0001-0260/A	A06B-6082-H222/H322(C) A20B-1006-0481 A20B-2902-0390 A16B-2202-0840(01A) A50L-0001-0260/A	A06B-6082-H222/H322(D) A20B-1006-0481 A20B-2902-0390 A16B-2202-0840(01A) A50L-0001-0260/N
SPMC-26	A06B-6082-H226/H326(A,B) A20B-1006-0172 A20B-2902-0280 A16B-2202-0840(01A) A50L-0001-0259/A	A06B-6082-H226/H326(C) A20B-1006-0482 A20B-2902-0390 A16B-2202-0840(01A) A50L-0001-0259/A	A06B-6082-H226/H326(D) A20B-1006-0482 A20B-2902-0390 A16B-2202-0840(01A) A50L-0001-0259/N

3.9 SVUC SERIES AMPLIFIER

This Series is New series of C Series amplifier (Full compatible)
SVUC amplifier can drive S Series Motor, Not α Series Motor.

3.9.1 Compatibility

C SERIES UNIT		Model	SVUC SERIES UNIT
A06B-6066-H002	⇔	SVUC1-4	A06B-6090-H002
A06B-6066-H003		SVUC1-12	A06B-6090-H003
A06B-6066-H004		SVUC1-40	A06B-6090-H004
A06B-6066-H006		SVUC1-80	A06B-6090-H006
A06B-6066-H008		SVUC1-130	A06B-6090-H008
A06B-6066-H222		SVU2-4/4	A06B-6090-H222
A06B-6066-H223		SVUC2-4/12	A06B-6090-H223
A06B-6066-H224		SVUC2-4/40	A06B-6090-H224
A06B-6066-H233		SVUC2-12/12	A06B-6090-H233
A06B-6066-H234		SVUC2-12/40	A06B-6090-H234
A06B-6066-H236		SVUC2-12/80	A06B-6090-H236
A06B-6066-H244		SVUC2-40/40	A06B-6090-H244
A06B-6066-H246		SVUC2-40/80	A06B-6090-H246
A06B-6066-H266		SVUC2-80/80	A06B-6090-H266

3.9.2 Hardware configuration

Unit Spec	Control PCB	Power PCB		IPM
A06B-6090-H002	A20B-2002-0030	A16B-2202-0955		~~A50L-0001-0273/A~~
A06B-6090-H003		A16B-2202-0956		
A06B-6090-H004	A20B-2002-0031	A20B-2002-0045		A50L-0001-0328
A06B-6090-H006		A20B-2002-0047		A50L-0001-0330
A06B-6090-H008		A20B-2002-0056	A20B-1006-0560 A20B-1006-0570	A50L-0001-0332
A06B-6090-H211	A20B-2002-0032	A20B-2002-0150		A50L-0001-0328
A06B-6090-H222		A20B-2002-0151		
A06B-6090-H223		A20B-2002-0152		
A06B-6090-H224		A20B-2002-0153		
A06B-6090-H233		A20B-2002-0154		
A06B-6090-H234		A20B-2002-0155		
A06B-6090-H236		A20B-2002-0156		
A06B-6090-H244		A20B-2002-0157		
A06B-6090-H246		A20B-2002-0158		A50L-0001-0328 A50L-0001-0330
A06B-6090-H266		A20B-2002-0159		A50L-0001-0330

A06B-6090-H008 Unit Edition D is using –0274/A, Edition E using –0274/RAS

3.10 SVU α SERIES AMPLIFIER

3.10.1 Unit and Motor Combination

Unit name	Unit Specification	L	M	N
SVU1-12	A06B-6089-H101	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000		
SVU1-20	A06B-6089-H102	αC3/2000,αC6/2000,αC12/2000,β3/3000,β6/2000		
SVU1-40	A06B-6089-H104	α3/3000,α6/2000,α12/3000,αC22/1500,α22/1500,αM3/3000,αL3/3000		
SVU1-80	A06B-6089-H105	α6/3000,α12/3000,α22/2000,α30/1200,αM6/3000,αM9/3000,αL6/3000,αL9/3000		
SVU1-130	A06B-6089-H106	α22/3000,α30/2000,α30/3000,α40/2000,αL25/3000,α50/2000		
SVU2-12/12	A06B-6089-H201	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	
SVU2-12/20	A06B-6089-H202	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	αC3/2000,αC6/2000,αC12/2000,β3/3000,β6/2000	
SVU2-20/20	A06B-6089-H203	αC3/2000,αC6/2000,αC12/2000,β3/3000,β6/2000	αC3/2000,αC6/2000,αC12/2000,β3/3000,β6/2000	
SVU2-12/40	A06B-6089-H204	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	α3/3000,α6/2000,α12/3000	
SVU2-20/40	A06B-6089-H205	αC3/2000,αC6/2000,αC12/2000,β3/3000,β6/2000	α3/3000,α6/2000,α12/3000	
SVU2-40/40	A06B-6089-H206	α3/3000,α6/2000,α12/3000	α3/3000,α6/2000,α12/3000	
SVU2-40/80	A06B-6089-H207	α3/3000,α6/2000,α12/3000,αC22/1500,α22/1500,αM3/3000,αL3/3000	α6/3000	
SVU2-80/80	A06B-6089-H208	α6/3000	α6/3000	
SVU2-12/80	A06B-6089-H209	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	α6/3000	
SVU2-20/80	A06B-6089-H210	αC3/2000,αC6/2000,αC12/2000,β3/3000,β6/2000	α6/3000	
SVU3-12/12/12	A06B-6089-H321	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000
SVU3-12/12/20	A06B-6089-H322	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	αC3/2000,β3/3000,αC6/2000,β3/3000,β6/2000
SVU3-12/20/20	A06B-6089-H323	α0.5/3000,α1/3000,α2/2000,α2/3000,β1/3000,β2/3000	αC3/2000,β3/3000,αC6/2000,β3/3000,β6/2000	αC3/2000,β3/3000,αC6/2000,β3/3000,β6/2000
SVU3-20/20/20	A06B-6089-H324	αC3/2000,β3/3000,αC6/2000,β3/3000,β6/2000	αC3/2000,β3/3000,αC6/2000,β3/3000,β6/2000	αC3/2000,β3/3000,αC6/2000,β3/3000,β6/2000

3.10.2 Hardware configuration

3.10.2.1 SVU1

Unit Specification	Power PCB	Control PCB		IPM
A06B-6089-H101	A16B-2202-0950	A20B-2002-0030		~~A50L-0001-0273/A~~
A06B-6089-H102	A16B-2202-0951			
A06B-6089-H103	A20B-2002-0042	A20B-2002-0031		A50L-0001-0328
A06B-6089-H104	A20B-2002-0040			
A06B-6089-H105	A20B-2002-0041			A50L-0001-0330
A06B-6089-H106	A20B-2002-0050		A20B-1006-0560 A20B-1006-0570	A50L-0001-0332

A06B-6079-H106 Unit Edition D Using –0274/A, Edition E Using –0274/RAS

3.10.2.2 SVU2

Unit Specification	Control PCB	Power PCB	IPM
A06B-6089-H201	A20B-2002-0032	A20B-2002-0060	A50L-0001-0328
A06B-6089-H202		A20B-2002-0061	
A06B-6089-H203		A20B-2002-0062	
A06B-6089-H204		A20B-2002-0063	
A06B-6089-H205		A20B-2002-0064	
A06B-6089-H206		A20B-2002-0065	
A06B-6089-H207		A20B-2002-0066	A50L-0001-0328 A50L-0001-0330
A06B-6089-H208		A20B-2002-0067	A50L-0001-0328
A06B-6089-H209		A20B-2002-0068	A50L-0001-0328 A50L-0001-0330
A06B-6089-H210		A20B-2002-0069	A50L-0001-0328 A50L-0001-0330

3.10.2.3 SVU3

Unit Specification	Control PCB	Power PCB	IPM
A06B-6089-H321	A20B-2002-0260	A20B-2002-0270	
A06B-6089-H322		A20B-2002-0271	~~A50L-0001-0273/A~~
A06B-6089-H323		A20B-2002-0272	A50L-0001-0251
A06B-6089-H324		A20B-2002-0273	

3.11 FAN MOTOR SPECIFICATION

3.11.1 PSM

Unit Specification	Fan Specification	Maker Specification
A06B-6077-H106	A90L-0001-0423/105S	FBK06T24H
A06B-6077-H111		
A06B-6087-H115	A90L-0001-0335/B	
A06B-6087-H126	(External Fan)	UTHS457C/US12D23
A06B-6087-H130	A90L-0001-0422	FBK08T24H
A06B-6087-H137	(Internal Fan)	
A06B-6087-H145	A90L-0001-0422 x 2	FBK08T24H
A06B-6081-Hxxx	A90L-0001-0385	109P0424H6D03

3.11.2 SVM

Unit Specification	Fan Specification	Maker Specification
A06B-6079-H101	A90L-0001-0385 or A90L-0001-0385#T	109P0424H6D03 109P0424H6D14
A06B-6079-H102		
A06B-6079-H103		
A06B-6079-H104		
A06B-6079-H105		
A06B-6079-H201		
A06B-6079-H202		
A06B-6079-H203		
A06B-6079-H107	A90L-0001-0422	FBK08T24H
A06B-6079-H108		
A06B-6079-H204	A90L-0001-0441 or A90L-0001-0385#T	109P042H7D08 109P0424H6D14
A06B-6079-H205		
A06B-6079-H206		
A06B-6079-H106	A90L-0001-0423/105S or A90L-0001-0385#T	FBK06T24HSA 109P0424H6D14
A06B-6079-H207		
A06B-6079-H208		
A06B-6079-H209		
A06B-6079-H301		
A06B-6079-H302		
A06B-6079-H303		
A06B-6079-H304		
A06B-6079-H305		
A06B-6079-H306		
A06B-6079-H307		

(6096-Hxxx are same Fan motor)

3.11.3 SPM

Unit Specification	Fan Specification	Maker Specification
A06B-6078-H202	A90L-0001-0385	109P042H6D03
A06B-6078-H206	A90L-0001-0423/105S	FBK06T24H
A06B-6088-H211		
A06B-6088-H215	A90L-0001-0422	FBK08T24H
A06B-6088-H222	(Internal Fan)	
A06B-6088-H226	A90L-0001-0335/B	UTHS457C / US12D23
A06B-6088-H230	(External Fan)	
A06B-6088-H245	A90L-0001-0422(2)	FBK08T24H

FAN MOTOR A90L-0001-0423#105 HAS BEEN UPDATED TO A90L-0001-0423#105S BUT, IT IS POSSIBLE TO USE OLD ONE.

Different Fan Motor using same type of amplifier

A16B-2203-045x A16B-2203-059x	A90L-0001-0385#T
A16B-2202-077x A16B-2203-079x	A90L-0001-0423#105

Refer to the SR 2000-060 and 2001-223

A16B-2202-0770-0772	A90L-0001-0441
A16B-2203-059x	A90L-0001-0385#T

3.12 FUSE SPECIFICATION

3.12.1 PSM

Unit Specification	Fuse Specification	Note
A06B-6077-H106	A60L-0001-0175/0.2A A60L-0001-0359	DAITO HM20 DAITO HM50
A06B-6077-H111		
A06B-6087-H115		
A06B-6087-H126		
A06B-6087-H130		
A06B-6087-H137		
A06B-6087-H145		

3.12.2 PSMR

Unit Specification	Fuse Specification	Note
A06B-6081-H101	A60L-0001-0359	DAITO HM50
A06B-6081-H103		
A06B-6081-H106		

3.12.3 SVM

Unit Specification	Fuse Specification	Note
A06B-6079-H101	A60L-0001-0290/LM32C A60L-0001-0183/50AS	DAITO LM32C CRLS-50/UL
A06B-6079-H102		
A06B-6079-H201		
A06B-6079-H202		
A06B-6079-H203		
A06B-6079-H103	A60L-0001-0290/LM32C A60L-0001-0183/75AS	DAITO LM32C CR2LS-75/ 25LKA75U
A06B-6079-H104		
A06B-6079-H105		
A06B-6079-H204		
A06B-6079-H205		
A06B-6079-H206		
A06B-6079-H301		
A06B-6079-H302		
A06B-6079-H303		
A06B-6079-H304		
A06B-6079-H106	A60L-0001-0290/LM32C A60L-0001-0183/100AS	DAITO LM32C CR2LS-100/UL / 25LKA100U
A06B-6079-H207		
A06B-6079-H208		
A06B-6079-H209		
A06B-6079-H305		
A06B-6079-H306		
A06B-6079-H307		
A06B-6079-H107	A60L-0001-0175/0.5A	DAITO HM05
A06B-6079-H108	A60L-0001-0290/LM32C	DAITO LM32C
	A60L-0001-0183/300AS	CR2L-300/UL

(6096-Hxxx are same Fuse used)

3.12.4 SPM

Unit Specification	Fuse Specification	Note
A06B-6078-H202	A60L-0001-0183/50AS	CR2LS-50/UL
A06B-6078-H302		
A06B-6078-H102		
A06B-6078-H206		
A06B-6078-H306		
A06B-6078-H106		
A06B-6078-H211	A60L-0001-0175/0.5A A60L-0001-0183/100AS	DAITO HM05 CR2LS-100/UL / 25LKA100U
A06B-6078-H311		
A06B-6078-H111		
A06B-6088-H411	A60L-0001-0175/0.5A A60L-0001-0183/150A	DAITO HM05 CR2L-150/UL / 25LKB150U
A06B-6088-H215		
A06B-6088-H315		
A06B-6088-H415		
A06B-6088-H115		
A06B-6088-H222	A60L-0001-0175/0.5A A60L-0001-0183/200A	DAITO HM05 CR2L-200/UL / 25LKB200U
A06B-6088-H322		
A06B-6088-H422		
A06B-6088-H122		
A06B-6088-H226	A60L-0001-0175/0.5A A60L-0001-0183/300A	DAITO HM05 CR2L-300/UL
A06B-6088-H326		
A06B-6088-H426		
A06B-6088-H126		
A06B-6088-H230		
A06B-6088-H330		
A06B-6088-H430		
A06B-6088-H130		
A06B-6088-H245	A60L-0001-0183/350A	CR2L-350/UL
A06B-6088-H345		
A06B-6088-H445		
A06B-6088-H145		

3.13 IGBT/IPM Update history

(The Table data are not confirmed officially and not completed)

Specification (Newest)	Specification (Old1)	Specification (Old2)	Specification (Old3)
A50L-0001-0261#S	A50L-0001-0261#N	A50L-0001-0261#A	
A50L-0001-0273#A	A50L-0001-0273		
A50L-0001-0295#NL			
A50L-0001-0295#NS			
A50L-0001-0295#P			
A50L-0001-0295#PL			
A50L-0001-0295#PS			
A50L-0001-0299#NS			
A50L-0001-0299#PS			
A50L-0001-0301#L	A50L-0001-0301		
A50L-0001-0327	A50L-0001-0304#S	A50L-0001-0304	
A50L-0001-0328	A50L-0001-0266#N	A50L-0001-0266	
A50L-0001-0329	A50L-0001-0305#S	A50L-0001-0305	
A50L-0001-0330	A50L-0001-0267#N	A50L-0001-0267	
A50L-0001-0331	A50L-0001-0275#S	A50L-0001-0275#N	A50L-0001-0275
A50L-0001-0332	A50L-0001-0274#RAS	A50L-0001-0274#N	A50L-0001-0274
A50L-0001-0335	A50L-0001-0291#L	A50L-0001-0291	
A50L-0001-0336			
A50L-0001-0337	A50L-0001-0260#S	A50L-0001-0260#N	A50L-0001-0260
A50L-0001-0338	A50L-0001-0259#S	A50L-0001-0259#N	A50L-0001-0259
A50L-0001-0340	A50L-0001-0284#S	A50L-0001-0284	
A50L-0001-0342	A50L-0001-0302#L	A50L-0001-0302	
A50L-0001-0343	A50L-0001-0303#L	A50L-0001-0303	
A50L-0001-0344			
A50L-0001-0348	A50L-0001-0282		
A50L-0001-0349	A50L-0001-0312		
A50L-0001-0363	A50L-0001-0357	A50L-0001-0293	

A50L-0001-0273, 0273#A were discontinued, update to A50L-0001-0326 with following New Power PCB (SR2008-019, SR2008-147)

SVM	Unit	Old Power PCB	New Power PCB
A06B-6079 A06B-6096	H101	A16B-2202-0740	A16B-2203-0972
	H102	A16B-2202-0741	A16B-2203-0973
	H201	A16B-2202-0750	A16B-2203-0975
	H202	A16B-2202-0751	A16B-2203-0976
	H203	A16B-2202-0752	A16B-2203-0977
A06B-6079 A06B-6080 A06B-6096	H301	A16B-2202-0780	A16B-2203-0990
	H302	A16B-2202-0781	A16B-2203-0991
	H303	A16B-2202-0782	A16B-2203-0992
	H304	A16B-2202-0783	A16B-2203-0993
	H305	A16B-2202-0784	A16B-2203-0994
	H306	A16B-2202-0785	A16B-2203-0995
	H307	A16B-2202-0786	A16B-2203-0996

3.14 CHECK BOARD SPECIFICATION

System	Specification	P.C.B Specification	Unit
SPINDLE	A06B-6078-H001	A20B-2001-0830 A660-8009-T409/L200R0 A660-8009-T409/L240R0A	A06B-6078-H202,H206,H211 A06B-6088-H215,H222,H226 A06B-6092-H230,H245 A06B-6092-H215,H226,H245,H275 A06B-6078-H302,H306,H311 A06B-6088-H315,H322,H326,H330,H345 A06B-6092-H315,H326,H345,H375,H430,H445 All αC Series (6082)
	A06B-6072-H051	A20B-1005-0740 A660-8009-T409/L200R0 A660-8009-T409/L200R0A	A06B-6078-H215,H222,H226,H230 A06B-6078-H315,H322,H326,H330 A06B-6078-H411,H415,H422,H426,H430 D Series
SERVO	A06B-6071-K290 (Check pin board)	A20B-1005-0340 A660-2042-T031/L200R0	All α , β SERVO
	A02B-0120-C211 (Adapter board for Servo Check board)	A20B-1004-0940 (Cable used from Servo Check board)	Series 15B,16/18A,20,21,Power mate D,F
		A16B-1600-0320 A20B-1007-0240 A660-2042-T154	For i Series
FPM-E	A02B-0168-C021 (FPM-E Adapter board)	A16B-1700-0390 A660-2042-T007/L050R0D	Power mate E

3.15 Maintenance Parts list based on A-53867E-1381/04

3.15.1 Power Supply Module

3.15.1.1 Power Source Regeneration Type, 200VAC Input Type

PARTS NAME	DRAWING NUMBER	NUMBER OF USE							
		DRAWING NUMBER OF UNIT							
		6077 -H106 (#BM)	6077 -H111 (#BM)	6087 -H115 (#BM)	6087 -H126 (#BM)	6087 -H130 (#BM)	6087 -H137 (#BM)	6087 -H145 (#BM)	6087 -H155 (#BM)
FUSE	A60L-0001-0175/2.0A	1	1	1	1	1	1	1	1
FUSE	A60L-0001-0359	1	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0335/B			1	1	1	1		
FAN MOTOR(INT)	A90L-0001-0422			1	1	1	1	2	2
FAN MOTOR(INT)	A90L-0001-0423/105S	1	1						
IPM	A50L-0001-0335	1	1						
IGBT	A50L-0001-0301/L			3					
IGBT	A50L-0001-0342				3				
IGBT	A50L-0001-0343					3			
IGBT	A50L-0001-0344						3		
IGBT	A50L-0001-0295/NL							3	3
IGBT	A50L-0001-0295/PL							3	3
DIODE MODULE	A50L-2001-0327				1	1	1		
THYRISTOR MOD.	A50L-5000-0051/100A	1	1						
THYRISTOR MOD.	A50L-5000-0049			1					
THYRISTOR MOD.	A50L-5000-0048/A				1	1			
THYRISTOR MOD.	A50L-5000-0060						1		
THYRISTOR MOD.	A50L-5000-0054							1	1
FUSE RESISTOR	A40L-0001-0286/5G5R0KDU	1	1	1	1	1	1	1	1
CAPACITOR	A42L-0001-0306/A					1	1		
CAPACITOR	A42L-0001-0306/C							1	
CAPACITOR	A42L-0001-0375/B								1
PLASTIC CASE	A230-0526-X001/A	1	1						
PLASTIC CASE	A230-0526-X002/C	1	1						
DC LINK COVER	A230-0514-X002	1	1						
FACE PLATE	A230-0526-T105	1	1						
TERMINAL COVER	A230-0526-X006	1	1						
PLASTIC CASE	A230-0505-X001			1	1	1	1		
DC LINK COVER	A230-0505-X002			1	1	1	1		
FACE PLATE	A230-0505-X003/ET			1	1	1	1		
TERMINAL COVER	A230-0505-X004			1	1	1	1		
PACKING	A300-0009-X352	1	1						
PACKING	A300-0009-X429			1	1	1	1		
PACKING	A300-0009-X430							1	1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE							
		DRAWING NUMBER OF UNIT							
		6077 - H106	6077 - H111	6087 - H115	6087 - H126	6087 - H130	6087 - H137	6087 - H145	6087 - H155
PCB(CONTROL)	A16B-2202-0420	1	1						
PCB(CONTROL)	A16B-2202-0421			1	1	1	1	1	1
PCB(POWER)	A16B-2202-0661	1	1						
PCB(POWER)	A20B-1006-0470			1					
PCB(POWER)	A20B-1006-0471				1				
PCB(POWER)	A20B-1006-0472					1	1		
PCB(POWER)	A20B-1007-0650							1	1
PCB(DRIVER)	A20B-2902-0390			1	1	1	1		
PCB(DRIVER)	A20B-2002-0080							1	1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE							
		DRAWING NUMBER OF UNIT							
		6077 - H106 #BM	6077 - H111 #BM	6087 - H115 #BM	6087 - H126 #BM	6087 - H130 #BM	6087 - H137 #BM	6087 - H145 #BM	6087 - H155 #BM
PCB(CONTROL)	A16B-2202-0423	1	1						
PCB(CONTROL)	A16B-2202-0424			1	1	1	1	1	1
PCB(POWER)	A16B-2202-0661	1	1						
PCB(POWER)	A20B-1006-0470			1					
PCB(POWER)	A20B-1006-0471				1				
PCB(POWER)	A20B-1006-0472					1	1		
PCB(POWER)	A20B-1007-0650							1	1
PCB(DRIVER)	A20B-2902-0390			1	1	1	1		
PCB(DRIVER)	A20B-2002-0080							1	1

3.15.1.2 Power Source Regeneration Type (400VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE							
		DRAWING NUMBER OF UNIT							
		6091 -H118 (#BM)	6091 -H130 (#BM)	6091 -H145 (#BM)	6091 -H175 (#BM)	6083 - H218	6083 - H230	6083 - H245	6098 - H111
FUSE	A60L-0001-0175/2.0A	1	1	1	1				1
FUSE	A60L-0001-0359	1	1	1	1				1
FUSE	A60L-0001-0362/100U								3
FAN MOTOR(EXT)	A90L-0001-0335/B	1	1	1					1
FAN MOTOR(INT)	A90L-0001-0422	1	1	1	2				1
IGBT	A50L-0001-0358			3					
IGBT	A50L-0001-0357		3						
IGBT	A50L-0001-0294	3							
IGBT	A50L-0001-0299/N				3				
IGBT	A50L-0001-0299/P				3				
IGBT	A50L-0001-0315								1
IGBT	A50L-0001-0316								1
THYRISTOR MOD.	A50L-5000-0052	1	1	1					
THYRISTOR MOD.	A50L-5000-0053				1				
THYRISTOR MOD.	A50L-5000-0058								3
THYRISTOR MOD.	A50L-5000-0059								1
FUSE RESISTOR	A40L-0001-0286/5G5R0KDU	1	1	1	1				1
CAPACITOR	A42L-0001-0314						2		
CAPACITOR	A42L-0001-0322							2	
CAPACITOR	A42L-0001-0340					2			
CAPACITOR	A42L-0001-0362								1
PLASTIC CASE	A230-0526-X001/A					1	1		
PLASTIC CASE	A230-0526-X002/A					1	1		
DC LINK COVER	A230-0514-X002					1	1		
FACE PLATE	A230-0526-T112					1	1		
TERMINAL COVER	A230-0526-X006					1	1		
PLASTIC CASE	A230-0505-X001	1	1	1				1	1
DC LINK COVER	A230-0505-X002	1	1	1				1	1
FACE PLATE	A230-0505-X003/ET	1	1	1					
FACE PLATE	A230-0505-X003/J								1
FACE PLATE	A230-0505-X009							1	
TERMINAL COVER	A230-0505-X004	1	1	1					1
TERMINAL COVER	A230-0505-X004							1	
PACKING	A300-0009-X429	1	1	1				1	1
PACKING	A300-0009-X430				1				

PARTS NAME	DRAWING NUMBER	NUMBER OF USE							
		DRAWING NUMBER OF UNIT							
		6091 - H118	6091 - H130	6091 - H145	6091 - H175	6083 - H218	6083 - H230	6083 - H245	6098 - H111
PCB(CONTROL)	A16B-2202-0422	1	1	1	1				
PCB(CONTROL)	A16B-2203-0220								1
PCB(POWER)	A20B-1006-0610		1						
PCB(POWER)	A20B-1006-0611	1							
PCB(POWER)	A20B-1006-0612			1					
PCB(POWER)	A20B-1007-0651				1				
PCB(POWER)	A20B-1007-0200								1
PCB(DRIVER)	A20B-2002-0080	1	1	1	1				
PCB(DRIVER)	A20B-2002-0530								1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE							
		DRAWING NUMBER OF UNIT							
		6091 - H118 #BM	6091 - H130 #BM	6091 - H145 #BM	6091 - H175 #BM				
PCB(CONTROL)	A16B-2202-0425	1	1	1	1				
PCB(POWER)	A20B-1006-0610		1						
PCB(POWER)	A20B-1006-0611	1							
PCB(POWER)	A20B-1006-0612			1					
PCB(POWER)	A20B-1007-0651				1				
PCB(DRIVER)	A20B-2002-0080	1	1	1	1				

3.15.1.3 PSMR (Resistor Regeneration Type) (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE		
		DRAWING NUMBER OF UNIT		
		6081 -H101	6081 -H103	6081 -H106
FUSE	A60L-0001-0359	1	1	1
FAN MOTOR(INT)	A90L-0001-0385	1	1	1
IGBT	A50L-0001-0251/A	1	1	
IGBT	A50L-0001-0279			1
DIODE MODULE	A50L-2001-0291	1	1	
DIODE MODULE	A50L-2001-0342			1
RELAY	A58L-0001-0415/M02	1	1	2
PLASTIC CASE	A230-0526-X001/B	1	1	1
PLASTIC CASE	A230-0527-X001/A	1		
PLASTIC CASE	A230-0527-X001/B		1	1
DC LINK COVER	A230-0527-X002	1	1	1
FACE PLATE	A230-0527-T103/C	1	1	1
TERMINAL COVER	A230-0527-T105/C		1	1
TERMINAL COVER	A230-0527-T105/D	1		
PACKING	A300-0009-X413			1
PCB(CONTROL)	A20B-2001-0890	1	1	1
PCB(POWER)	A16B-2202-0540	1		
PCB(POWER)	A16B-2202-0541			1
PCB(POWER)	A16B-2202-0542		1	

3.15.2 SERVO AMPLIFIER MODULE

3.15.2.1 SVM1 200VAC Input Type A06B-6079-H1xx, A06B-6096-H1xx

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		- H101	- H102	- H103	- H104	- H105	- H116	- H106	- H107	- H108
PCB(CONTROL)	A20B-2001-0930	1	1	1	1	1				
PCB(CONTROL)	A20B-2001-0932							1		
PCB(CONTROL)	A16B-2202-0990								1	
PCB(CONTROL)	A16B-2202-0991									1
PCB(CONTROL)	A20B-2100-0540	1	1	1	1	1	1			
PCB(CONTROL)	A20B-2100-0542							1		
PCB(CONTROL)	A16B-2203-0300								1	
PCB(CONTROL)	A16B-2203-0301									1
PCB(POWER)	A16B-2202-0740	1								
PCB(POWER)	A16B-2202-0741		1							
PCB(POWER)	A16B-2203-0450			1						
PCB(POWER)	A16B-2203-0451				1					
PCB(POWER)	A16B-2203-0452					1				
PCB(POWER)	A16B-2203-0453						1			
PCB(POWER)	A16B-2203-0454							1		
PCB(POWER)	A20B-1006-0485								1	1
PCB(DRIVER)	A20B-2902-0390								1	1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		-H101	-H102	-H103	-H104	-H105	-H116	-H106	-H107	-H108
FUSE	A60L-0001-0175/0.5A								1	1
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1	1	1
FUSE	A60L-0001-0183/50AS	1	1							
FUSE	A60L-0001-0183/75AS			1	1	1				
FUSE	A60L-0001-0183/100AS						1	1		
FUSE	A60L-0001-0183/300AS								1	1
FAN MOTOR(INT)	A90L-0001-0385	1	1	1	1	1	1	1		
FAN MOTOR(INT)	A90L-0001-0423/105S							1		
FAN MOTOR(INT)	A90L-0001-0422								1	1
FAN MOTOR(EXT)	A90L-0001-0335/B								1	1
IPM	A50L-0001-0273/A	1	1							
IPM	A50L-0001-0327			1	1					
IPM	A50L-0001-0329					1				
IPM	A50L-0001-0332						1	1		
IGBT	A50L-0001-0340								3	3
CAPACITOR	A42L-0001-0317	1	1							
CAPACITOR	A42L-0001-0318			1	2	3	3			
CAPACITOR	A42L-0001-0319							3		
CAPACITOR	A42L-0001-0304								1	1
PLASTIC CASE	A230-0526-X001/A							1		
PLASTIC CASE	A230-0526-X001/B	1	1	1	1	1	1			
PLASTIC CASE	A230-0505-X001								1	1
PLASTIC CASE	A230-0527-X001/A	1	1	1	1	1	1			
PLASTIC CASE	A230-0526-X002/B							1		
BATTERY COVER	A230-0527-V001	1	1	1	1	1	1			
BATTERY COVER	A230-0436-V001							1		
BATTERY COVER	A230-0505-V001								1	1
DC LINK COVER	A230-0527-X002	1	1	1	1	1	1			
DC LINK COVER	A230-0514-X002							1		
DC LINK COVER	A230-0505-X002								1	1

【NOTE】

Regarding "H116", the existing model is "A06B-6096-H116"only. The model of "A06B-6079-H116" doesn't exist.

The DC fan motor for H106 must select either by the power PCB. When power PCB is A16B-2202-0790, A90L-0001-0423/105S is selected.

3.15.2.2 SVM1-HV 400VAC Input Type A06B-6085-H1xx, A06B-6097-H1xx

PARTS NAME	DRAWING NUMBER	NUMBER OF USE				
		DRAWING NUMBER OF UNIT (6085-H1xx,6097-H1xx)				
		-H102	-H103	-H104	-H105	-H107
FUSE	A60L-0001-0290#LM32C	1	1	1	1	1
FUSE	A60L-0001-0362#50U	1	1	1	1	
FUSE	A60L-0001-0362#300U					1
FAN MOTOR(INT)	A90L-0001-0423#105S	1	1	1	1	
FAN MOTOR(INT)	A90L-0001-0422					2
IPM	A50L-0001-0348		1			
IPM	A50L-0001-0349			1	1	
IPM	A50L-0001-0347	1				
IGBT	A50L-0001-0299#N					3
IGBT	A50L-0001-0299#N					3
PLASTIC CASE	A230-0526-X001#A	1	1	1	1	
PLASTIC CASE	A230-0526-X002#A	1	1	1	1	
BATTERY COVER	A230-0436-V001	1	1	1	1	
DC LINK COVER	A230-0514-X002	1	1	1	1	
TERMINAL COVER	A230-0514-T105#C	1	1	1	1	
FACE PLATE	A230-0526-T103#A	1	1	1	1	
FACE PLATE	A230-0526-T103#F	1	1	1	1	
PACKING	A300-0009-X352	1	1	1	1	
PACKING	A300-0009-X352					1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT (6085-H1xx,6097-H1xx)								
		-H102	-H103	-H104	-H105	-H107				
PCB(CONTROL)	A20B-2001-0932	1	1	1						
PCB(CONTROL)	A20B-2100-0542	1	1	1	1					
PCB(CONTROL)	A16B-2203-0301					1				
PCB(POWER)	A16B-2202-0800	1								
PCB(POWER)	A16B-2202-0801		1							
PCB(POWER)	A16B-2202-0802			1						
PCB(POWER)	A16B-2202-0803				1					
PCB(POWER)	A20B-1007-0592					1				
PCB(POWER)	A20B-2002-0080					1				

【Note】

Regarding "H105", the existing model is "A06B-6097-H105"only. The model of "A06B-6085-H105" doesn't exist.

Regarding "H107", the existing model is "A06B-6097-H107"only. The model of "A06B-6085-H107" doesn't exist.

3.15.2.3 SVM2 200VAC Input Type A06B-6079-H2xx, A06B-6096-H2xx

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT (6079-H2xx,6096-H2xx)								
		-H201	-H202	-H203	-H204	-H205	-H206	-H207	-H208	-H209
FUSE	A60L-0001-0290#LM32C	1	1	1	1	1	1	1	1	1
FUSE	A60L-0001-0183#50AS	1	1	1						
FUSE	A60L-0001-0183#75AS				1	1	1			
FUSE	A60L-0001-0183#100AS							1	1	1
FAN MOTOR(INT)	A90L-0001-0385	1	1	2	1	1	1	1	1	1
FAN MOTOR(INT)	A90L-0001-0441				1	1	1			
FAN MOTOR(INT)	A90L-0001-0423#105S							1	1	1
IPM	A50L-0001-0273#A	2	2	2						
IPM	A50L-0001-0327				2	2	2	1		2
IPM	A50L-0001-0329							1	2	
CAPACITOR	A42L-0001-0317	2	2	2						
CAPACITOR	A42L-0001-0318				2	2	2			
CAPACITOR	A42L-0001-0319							2	2	2
PLASTIC CASE	A230-0526-X001#A							1	1	1
PLASTIC CASE	A230-0526-X001#B	1	1	1	1	1	1			
PLASTIC CASE	A230-0527-X001#B	1	1	1	1	1	1			
PLASTIC CASE	A230-0526-X002#B							1	1	1
BATTERY COVER	A230-0527-V001	1	1	1	1	1	1			
BATTERY COVER	A230-0436-V001							1	1	1
DC LINK COVER	A230-0527-X002	1	1	1	1	1	1			
DC LINK COVER	A230-0514-X002							1	1	1
TERMINAL COVER	A230-0527-T105#B	1	1	1	1	1	1			
TERMINAL COVER	A230-0514-T105#D							1	1	1
FACE PLATE	A230-0527-T103#B	1	1	1	1	1	1			
FACE PLATE	A230-0526-T103#B							1	1	1
FACE PLATE	A230-0527-T103#F	1	1	1	1	1	1			
FACE PLATE	A230-0526-T103#E							1	1	1
PACKING	A300-0009-X352							1	1	1
PACKING	A300-0009-X413				1	1	1			
PCB(CONTROL)	A20B-2001-0931	1	1	1	1	1	1			
PCB(CONTROL)	A20B-2001-0933							1	1	1
PCB(CONTROL)	A20B-2100-0541	1	1	1	1	1	1			
PCB(CONTROL)	A20B-2100-0543							1	1	1
PCB(POWER)	A16B-2202-0750	1								
PCB(POWER)	A16B-2202-0751		1							
PCB(POWER)	A16B-2202-0752			1						
PCB(POWER)	A16B-2203-0590				1					
PCB(POWER)	A16B-2203-0591					1				
PCB(POWER)	A16B-2203-0592						1			
PCB(POWER)	A16B-2203-0593							1		
PCB(POWER)	A16B-2203-0594								1	
PCB(POWER)	A16B-2203-0595									1

【Note】

The DC fan motor for H204-H209 must select either by the power PCB. When the power PCB is A16B-2202-0770-2, A90L-0001-0441 is selected. When the power PCB is A16B-2202-0773-5, A90L-0001-0423/105S is selected.

3.15.2.4 SVM2-HV 400VAC Input Type A06B-6085-H2xx,A06B-6097-H2xx

PARTS NAME	DRAWING NUMBER	NUMBER OF USE					
		DRAWING NUMBER OF UNIT (6085-H2xx,6097-H2xx)					
		- H201	- H202	- H203	- H204	- H205	- H206
FUSE	A60L-0001-0290#LM32C	1	1	1	1	1	1
FUSE	A60L-0001-0362#50U	1	1	1	1	1	1
FAN MOTOR(INT)	A90L-0001-0423#105S	1	1	1	1	1	1
IPM	A50L-0001-0348		1		2	1	
IPM	A50L-0001-0349			1		1	2
IPM	A50L-0001-0347	2	1	1			
PLASTIC CASE	A230-0526-X001#A	1	1	1	1	1	1
PLASTIC CASE	A230-0526-X002#B	1	1	1	1	1	1
BATTERY COVER	A230-0436-V001	1	1	1	1	1	1
DC LINK COVER	A230-0514-X002	1	1	1	1	1	1
TERMINAL COVER	A230-0514-T105#D	1	1	1	1	1	1
FACE PLATE	A230-0526-T103#B	1	1	1	1	1	1
FACE PLATE	A230-0526-T103#E	1	1	1	1	1	1
PACKING	A300-0009-X352	1	1	1	1	1	1
PCB(CONTROL)	A20B-2001-0933	1	1	1	1	1	1
PCB(CONTROL)	A20B-2100-0543	1	1	1	1	1	1
PCB(POWER)	A16B-2203-0210	1					
PCB(POWER)	A16B-2203-0211		1				
PCB(POWER)	A16B-2203-0212			1			
PCB(POWER)	A16B-2203-0213				1		
PCB(POWER)	A16B-2203-0214					1	
PCB(POWER)	A16B-2203-0215						1

3.15.2.5 SVM3 200VAC Input Type A06B-6079-H3xxx,A06B-6080-H3xxx,A06B-6096-H3xxx

PARTS NAME	DRAWING NUMBER	NUMBER OF USE						
		UNIT (6079-H3xx,6080-H3xx,6096-H3xx)						
		H301	H302	H303	H304	H305	H306	H307
FUSE	A60L-0001-0290#LM32C	1	1	1	1	1	1	1
FUSE	A60L-0001-0183#75AS	1	1	1	1			
FUSE	A60L-0001-0183#100AS					1	1	1
FAN MOTOR(INT)	A90L-0001-0423#105S	1	1	1	1	1	1	1
IPM	A50L-0001-0273#A	2	2	2	2	2	2	2
IPM	A50L-0001-0327	1	1	1	1	1	1	1
CAPACITOR	A42L-0001-0338	2	2	2	2	2	2	2
PLASTIC CASE	A230-0526-X001#A	1	1	1	1	1	1	1
PLASTIC CASE	A230-0526-X002#B	1	1	1	1	1	1	1
DC LINK COVER	A230-0514-X002	1	1	1	1	1	1	1
TERMINAL COVER	A230-0514-T105#E	1	1	1	1	1	1	1
FACE PLATE	A230-0526-T103#D	1	1	1	1	1	1	1
FACE PLATE	A230-0526-T103#C	1	1	1	1	1	1	1
FACE PLATE	A230-0526-T103#G	1	1	1	1	1	1	1
PACKING	A300-0009-X352					1	1	1
PCB(CONTROL)	A20B-2001-0940	1	1	1	1	1	1	1
PCB(CONTROL)	A20B-2001-0950	1	1	1	1	1	1	1
PCB(CONTROL)	A20B-2100-0260	1	1	1	1	1	1	1
PCB(POWER)	A16B-2202-0780	1						
PCB(POWER)	A16B-2202-0781		1					
PCB(POWER)	A16B-2202-0782			1				
PCB(POWER)	A16B-2202-0783				1			
PCB(POWER)	A16B-2202-0784					1		
PCB(POWER)	A16B-2202-0785						1	
PCB(POWER)	A16B-2202-0786							1

3.15.3 SPINDLE AMPLIFIER MODULE

3.15.3.1 SPM (TYPE 1) (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		6078 H202 6102 H202	6078 H206 6102 H206	6078 H211 6102 H211	6088 H215 6102 H215	6088 H222 6102 H222	6088 H226 6102 H226	6088 H230 6102 H230	6088 H245 6102 H245	6088 H255 6102 H255
FUSE	A60L-0001-0175/0.5A				1	1	1	1		
FUSE	A60L-0001-0183/50AS	1	1							
FUSE	A60L-0001-0183/100AS			1						
FUSE	A60L-0001-0183/150A				1					
FUSE	A60L-0001-0183/200A					1				
FUSE	A60L-0001-0183/300A						1	1		
FUSE	A60L-0001-0183/350A								1	
FUSE	A60L-0001-0183/450AF									1
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0335/B				1	1	1	1		
FAN MOTOR(INT)	A90L-0001-0385	1								
FAN MOTOR(INT)	A90L-0001-0422				1	1	1	1	2	
FAN MOTOR(INT)	A90L-0001-0423/105S		1	1						
IPM	A50L-0001-0327	1	1							
IPM	A50L-0001-0331			1						
IGBT	A50L-0001-0338						3			
IGBT	A50L-0001-0337					3				
IGBT	A50L-0001-0261/S				3					
IGBT	A50L-0001-0340							3		
IGBT	A50L-0001-0295/NS								3	3
IGBT	A50L-0001-0295/PS								3	3
CAPACITOR	A42L-0001-0291		3	4						
CAPACITOR	A42L-0001-0304						1	1		
CAPACITOR	A42L-0001-0305					1				
CAPACITOR	A42L-0001-0306/B				1					
CAPACITOR	A42L-0001-0309	2								
CAPACITOR	A42L-0001-0341								1	
CAPACITOR	A42L-0001-0375/A									1
PLASTIC CASE	A230-0526-X001/A		1	1						
PLASTIC CASE	A230-0526-X001/B	1								
PLASTIC CASE	A230-0526-X002/C		1	1						
PLASTIC CASE	A230-0527-X001/C	1								
DC LINK COVER	A230-0527-X002	1								
DC LINK COVER	A230-0514-X002		1	1						
FACE PLATE	A230-0527-T104/A	1								
FACE PLATE	A230-0526-T104/A		1	1						
TERMINAL COVER	A230-0527-X006	1								
TERMINAL COVER	A230-0526-X006		1	1						
PLASTIC CASE	A230-0505-X001				1	1	1	1		
DC LINK COVER	A230-0505-X002				1	1	1	1		
FACE PLATE	A230-0505-X003/DT				1	1	1	1		
TERMINAL COVER	A230-0505-X004				1	1	1	1		
PACKING	A300-0009-X352		1	1						
PACKING	A300-0009-X413	1								
PACKING	A300-0009-X429				1	1	1	1		
PACKING	A300-0009-X430								1	1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		6078 - H302	6078 - H306	6078 - H311	6088 - H315	6088 - H322	6088 - H326	6088 - H330	6088 - H345	6088 - H355
FUSE	A60L-0001-0175/0.5A				1	1	1	1		
FUSE	A60L-0001-0183/50AS	1	1							
FUSE	A60L-0001-0183/100AS			1						
FUSE	A60L-0001-0183/150A				1					
FUSE	A60L-0001-0183/200A					1				
FUSE	A60L-0001-0183/300A						1	1		
FUSE	A60L-0001-0183/350A								1	
FUSE	A60L-0001-0183/450AF									1
FAN MOTOR(EXT)	A90L-0001-0335/B				1	1	1	1		
FAN MOTOR(INT)	A90L-0001-0385	1								
FAN MOTOR(INT)	A90L-0001-0422				1	1	1	1	2	
FAN MOTOR(INT)	A90L-0001-0423/105S		1	1						
IPM	A50L-0001-0327	1	1							
IPM	A50L-0001-0331			1						
IGBT	A50L-0001-0338						3			
IGBT	A50L-0001-0337					3				
IGBT	A50L-0001-0261/S				3					
IGBT	A50L-0001-0340							3		
IGBT	A50L-0001-0295/NS								3	3
IGBT	A50L-0001-0295/PS								3	3
CAPACITOR	A42L-0001-0291		3	4						
CAPACITOR	A42L-0001-0304						1	1		
CAPACITOR	A42L-0001-0305					1				
CAPACITOR	A42L-0001-0306/B				1					
CAPACITOR	A42L-0001-0309	2								
CAPACITOR	A42L-0001-0341								1	
CAPACITOR	A42L-0001-0375/A									1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		6102 - H202	6102 - H206	6102 -H211	6102 - H215	6102 - H222	6102 - H226	6102 - H230	6102 - H245	6102 - H255
PCB(CONTROL)	A16B-2203-0500	1								
PCB(CONTROL)	A16B-2203-0501		1	1						
PCB(CONTROL)	A16B-2203-0502				1	1	1	1	1	1
PCB(POWER)	A16B-2202-0680	1								
PCB(POWER)	A16B-2202-0681		1							
PCB(POWER)	A16B-2202-0682			1						
PCB(POWER)	A20B-1006-0486				1					
PCB(POWER)	A20B-1006-0487					1				
PCB(POWER)	A20B-1006-0488						1			
PCB(POWER)	A20B-1006-0489							1		
PCB(POWER)	A20B-1007-0590									1
PCB(POWER)	A20B-1007-0591								1	
PCB(DRIVER)	A20B-2902-0390				1	1	1	1		
PCB(DRIVER)	A20B-2002-0080								1	
PCB(DRIVER)	A20B-2002-0081									1
PCB(CONTROL)	A16B-2203-0330	1								
PCB(CONTROL)	A16B-2203-0331		1	1						
PCB(CONTROL)	A16B-2203-0332				1	1	1	1	1	1
PCB(POWER)	A16B-2202-0680	1								
PCB(POWER)	A16B-2202-0681		1							
PCB(POWER)	A16B-2202-0682			1						
PCB(POWER)	A20B-1006-0486				1					
PCB(POWER)	A20B-1006-0487					1				
PCB(POWER)	A20B-1006-0488						1			
PCB(POWER)	A20B-1006-0489							1		
PCB(POWER)	A20B-1007-0590									1
PCB(POWER)	A20B-1007-0591								1	
PCB(DRIVER)	A20B-2902-0390				1	1	1	1		
PCB(DRIVER)	A20B-2002-0080								1	
PCB(DRIVER)	A20B-2002-0081									1

3.15.3.2 SPM (TYPE 2) (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		6078 - H302	6078 - H306	6078 - H311	6088 - H315	6088 - H322	6088 - H326	6088 - H330	6088 - H345	6088 -H355
PLASTIC CASE	A230-0526-X001/A		1	1						
PLASTIC CASE	A230-0526-X001/B	1								
PLASTIC CASE	A230-0526-X002/C		1	1						
PLASTIC CASE	A230-0527-X001/C	1								
DC LINK COVER	A230-0527-X002	1								
DC LINK COVER	A230-0514-X002		1	1						
FACE PLATE	A230-0527-T104/A	1								
FACE PLATE	A230-0526-T104/A		1	1						
TERMINAL COVER	A230-0527-X006	1								
TERMINAL COVER	A230-0526-X006		1	1						
PLASTIC CASE	A230-0505-X001				1	1	1	1		
DC LINK COVER	A230-0505-X002				1	1	1	1		
FACE PLATE	A230-0505-X003/DT				1	1	1	1		
TERMINAL COVER	A230-0505-X004				1	1	1	1		
PACKING	A300-0009-X352		1	1						
PACKING	A300-0009-X413	1								
PACKING	A300-0009-X429				1	1	1	1		
PACKING	A300-0009-X430								1	1
PCB(CONTROL)	A16B-2202-0433	1								
PCB(CONTROL)	A16B-2202-0434		1	1						
PCB(CONTROL)	A16B-2202-0435				1	1	1	1	1	1
PCB(POWER)	A16B-2202-0680	1								
PCB(POWER)	A16B-2202-0681		1							
PCB(POWER)	A16B-2202-0682			1						
PCB(POWER)	A20B-1006-0486				1					
PCB(POWER)	A20B-1006-0487					1				
PCB(POWER)	A20B-1006-0488						1			
PCB(POWER)	A20B-1006-0489							1		
PCB(POWER)	A20B-1007-0590									1
PCB(POWER)	A20B-1007-0591								1	
PCB(DRIVER)	A20B-2902-0390				1	1	1	1		
PCB(DRIVER)	A20B-2002-0080								1	
PCB(DRIVER)	A20B-2002-0081									1
PCB(DETECTOR)	A20B-2901-0851	3	3	3	3	3	3	3	3	3

3.15.3.3 SPM(TYPE 3) (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE					
		DRAWING NUMBER OF UNIT					
		6088 - H141	6088 -H415	6088 -H422	6088 -H426	6088 -H430	6088 -H445
FUSE	A60L-0001-0175/0.5A	1	1	1	1	1	
FUSE	A60L-0001-0183/150A	1	1				
FUSE	A60L-0001-0183/200A			1			
FUSE	A60L-0001-0183/300A				1	1	
FUSE	A60L-0001-0183/350A						1
FAN MOTOR(EXT)	A90L-0001-0335/B	1	1	1	1	1	
FAN MOTOR(INT)	A90L-0001-0422	1	1	1	1	1	2
IGBT	A50L-0001-0338				3		
IGBT	A50L-0001-0337			3			
IGBT	A50L-0001-0261/S	3	3				
IGBT	A50L-0001-0340					3	
IGBT	A50L-0001-0295/NS						3
IGBT	A50L-0001-0295/PS						3
CAPACITOR	A42L-0001-0304				1	1	
CAPACITOR	A42L-0001-0305			1			
CAPACITOR	A42L-0001-0306/B	1	1				
CAPACITOR	A42L-0001-0341						1
PLASTIC CASE	A230-0505-X001	1	1	1	1	1	
DC LINK COVER	A230-0505-X002	1	1	1	1	1	
FACE PLATE	A230-0505-X003/F	1	1	1	1	1	
TERMINAL COVER	A230-0505-X004	1	1	1	1	1	
PACKING	A300-0009-X429	1	1	1	1	1	
PACKING	A300-0009-X430						1
PCB(CONTROL)	A16B-2202-0440	1	1	1	1	1	1
PCB(POWER)	A20B-1006-0486		1				
PCB(POWER)	A20B-1006-0487			1			
PCB(POWER)	A20B-1006-0488				1		
PCB(POWER)	A20B-1006-0489					1	
PCB(POWER)	A20B-1006-0484	1					
PCB(POWER)	A20B-1007-0591						1
PCB(DRIVER)	A20B-2902-0390	1	1	1	1	1	
PCB(DRIVER)	A20B-2002-0080						1
PCB(DETECTOR)	A20B-2901-0851	1	1	1	1	1	1
PCB(CONNECTOR)	A20B-2001-0700	1	1	1	1	1	1

3.15.3.4 SPM (TYPE 4) (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		6078 H102 6102 H102	6078 H106 6102 H106	6078 H111 6102 H111	6088 H115 6102 H115	6088 H122 6102 H122	6088 H126 6102 H126	6088 H130 6102 H130	6088 H145 6102 H145	6088 H155 6102 H155
FUSE	A60L-0001-0175/0.5A				1	1	1	1		
FUSE	A60L-0001-0183/50AS	1	1							
FUSE	A60L-0001-0183/100AS			1						
FUSE	A60L-0001-0183/150A				1					
FUSE	A60L-0001-0183/200A					1				
FUSE	A60L-0001-0183/300A						1	1		
FUSE	A60L-0001-0183/350A								1	
FUSE	A60L-0001-0183/450AF									1
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0335/B				1	1	1	1		
FAN MOTOR(INT)	A90L-0001-0385	1								
FAN MOTOR(INT)	A90L-0001-0422				1	1	1	1	2	
FAN MOTOR(INT)	A90L-0001-0423/105S		1	1						
IPM	A50L-0001-0327	1	1							
IPM	A50L-0001-0331			1						
IGBT	A50L-0001-0338						3			
IGBT	A50L-0001-0337					3				
IGBT	A50L-0001-0261/S				3					
IGBT	A50L-0001-0340							3		
IGBT	A50L-0001-0295/NS								3	3
IGBT	A50L-0001-0295/PS								3	3
CAPACITOR	A42L-0001-0291		3	4						
CAPACITOR	A42L-0001-0304						1	1		
CAPACITOR	A42L-0001-0305					1				
CAPACITOR	A42L-0001-0306/B				1					
CAPACITOR	A42L-0001-0309	2								
CAPACITOR	A42L-0001-0341								1	
CAPACITOR	A42L-0001-0375/A									1
PLASTIC CASE	A230-0526-X001/A		1	1						
PLASTIC CASE	A230-0526-X001/B	1								
PLASTIC CASE	A230-0526-X002/C		1	1						
PLASTIC CASE	A230-0527-X001/C	1								
DC LINK COVER	A230-0527-X002	1								
DC LINK COVER	A230-0514-X002		1	1						
FACE PLATE	A230-0527-T104/A	1								
FACE PLATE	A230-0526-T104/A		1	1						
TERMINAL COVER	A230-0527-X006	1								
TERMINAL COVER	A230-0526-X006		1	1						
PLASTIC CASE	A230-0505-X001				1	1	1	1		
DC LINK COVER	A230-0505-X002				1	1	1	1		
FACE PLATE	A230-0505-X003/DT				1	1	1	1		
TERMINAL COVER	A230-0505-X004				1	1	1	1		
PACKING	A300-0009-X352		1	1						
PACKING	A300-0009-X413	1								
PACKING	A300-0009-X429				1	1	1	1		
PACKING	A300-0009-X430								1	1

PARTS NAME	DRAWING NUMBER	NUMBER OF USE								
		DRAWING NUMBER OF UNIT								
		6102-H102	6102-H106	6102-H111	6102-H115	6102-H122	6102-H126	6102-H130	6102-H145	6102-H155
PCB(CONTROL)	A16B-2203-0503	1								
PCB(CONTROL)	A16B-2203-0504		1	1						
PCB(CONTROL)	A16B-2203-0505				1	1	1	1	1	1
PCB(POWER)	A16B-2202-0680	1								
PCB(POWER)	A16B-2202-0681		1							
PCB(POWER)	A16B-2202-0682			1						
PCB(POWER)	A20B-1006-0486				1					
PCB(POWER)	A20B-1006-0487					1				
PCB(POWER)	A20B-1006-0488						1			
PCB(POWER)	A20B-1006-0489							1		
PCB(POWER)	A20B-1006-0690									1
PCB(POWER)	A20B-1006-0691								1	
PCB(DRIVER)	A20B-2902-0390				1	1	1	1		
PCB(DRIVER)	A20B-2002-0080								1	
PCB(DRIVER)	A20B-2002-0081									1
PCB(DETECTOR)	A20B-2902-0620	2	2	2	2	2	2	2	2	2
PCB(CONTROL)	A16B-2202-0433	1								
PCB(CONTROL)	A16B-2202-0434		1	1						
PCB(CONTROL)	A16B-2202-0435				1	1	1	1	1	1
PCB(POWER)	A16B-2202-0680	1								
PCB(POWER)	A16B-2202-0681		1							
PCB(POWER)	A16B-2202-0682			1						
PCB(POWER)	A20B-1006-0486				1					
PCB(POWER)	A20B-1006-0487					1				
PCB(POWER)	A20B-1006-0488						1			
PCB(POWER)	A20B-1006-0489							1		
PCB(POWER)	A20B-1006-0690									1
PCB(POWER)	A20B-1006-0691								1	
PCB(DRIVER)	A20B-2902-0390				1	1	1	1		
PCB(DRIVER)	A20B-2002-0080								1	
PCB(DRIVER)	A20B-2002-0081									1
PCB(DETECTOR)	A20B-2902-0620	2	2	2	2	2	2	2	2	2

3.15.3.5 SPM-HV (TYPE 1) (400VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE					
		DRAWING NUMBER OF UNIT					
		6092-H211 6104-H211	6092-H215 6104-H215	6092-H226 6104-H226	6092-H245 6104-H245	6092-H275 6104-H275	6104-H276
FUSE	A60L-0001-0175/0.5A		1	1	1		
FUSE	A60L-0001-0362/50U	1					
FUSE	A60L-0001-0362/100U		1				
FUSE	A60L-0001-0362/150U			1			
FUSE	A60L-0001-0362/200U				1		2
FUSE	A60L-0001-0362/300U					1	
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0335/B		1	1	1		
FAN MOTOR(INT)	A90L-0001-0422		1	1	1	2	3
FAN MOTOR(INT)	A90L-0001-0423/105S	1					
IPM	A50L-0001-0348	1					
IGBT	A50L-0001-0354				3		
IGBT	A50L-0001-0363			3			
IGBT	A50L-0001-0294		3				
IGBT	A50L-0001-0299/N					3	
IGBT	A50L-0001-0299/P					3	
IGBT	A50L-0001-0299/NS						3
IGBT	A50L-0001-0299/PS						3
PLASTIC CASE	A230-0505-X001		1	1	1		
DC LINK COVER	A230-0505-X002		1	1	1		
FACE PLATE	A230-0505-X003/DT		1	1	1		
TERMINAL COVER	A230-0505-X004		1	1	1		
DC LINK COVER	A230-0514-X002	1					
FACE PLATE	A230-0526-T104/A	1					
PLASTIC CASE	A230-0526-X001/A	1					
PLASTIC CASE	A230-0526-X002/C	1					
TERMINAL COVER	A230-0526-X006	1					
PACKING	A300-0009-X352	1					
PACKING	A300-0009-X429		1	1	1		
PACKING	A300-0009-X430					1	1
PCB(CONTROL)	A16B-2203-0501	1					
PCB(CONTROL)	A16B-2203-0502		1	1	1	1	1
PCB(POWER)	A16B-2203-0160	1					
PCB(POWER)	A20B-1006-0550			1			
PCB(POWER)	A20B-1006-0551		1				
PCB(POWER)	A20B-1006-0890				1		
PCB(POWER)	A20B-1007-0592					1	
PCB(POWER)	A20B-1007-0594						1
PCB(DRIVER)	A20B-2002-0080		1	1	1	1	
PCB(DRIVER)	A20B-2002-0082						1
PCB(CONTROL)	A16B-2202-0431	1					
PCB(CONTROL)	A16B-2202-0432		1	1	1	1	
PCB(POWER)	A16B-2203-0160	1					
PCB(POWER)	A20B-1006-0550			1			
PCB(POWER)	A20B-1006-0551		1				
PCB(POWER)	A20B-1006-0890				1		
PCB(POWER)	A20B-1007-0592					1	
PCB(DRIVER)	A20B-2002-0080		1	1	1	1	

3.15.3.6 SPM-HV (TYPE 2) (400VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE				
		DRAWING NUMBER OF UNIT				
		6092 -H311	6092 -H315	6092 -H326	6092 -H345	6092 -H375
FUSE	A60L-0001-0175/0.5A		1	1	1	
FUSE	A60L-0001-0362/50U	1				
FUSE	A60L-0001-0362/100U		1			
FUSE	A60L-0001-0362/150U			1		
FUSE	A60L-0001-0362/200U				1	
FUSE	A60L-0001-0362/300U					1
FAN MOTOR(EXT)	A90L-0001-0335/B		1	1	1	
FAN MOTOR(INT)	A90L-0001-0422		1	1	1	2
FAN MOTOR(INT)	A90L-0001-0423/105S	1				
IPM	A50L-0001-0348	1				
IGBT	A50L-0001-0354				3	
IGBT	A50L-0001-0363			3		
IGBT	A50L-0001-0294		3			
IGBT	A50L-0001-0299/N					3
IGBT	A50L-0001-0299/P					3
PLASTIC CASE	A230-0505-X001		1	1	1	
DC LINK COVER	A230-0505-X002		1	1	1	
FACE PLATE	A230-0505-X003/DT		1	1	1	
TERMINAL COVER	A230-0505-X004		1	1	1	
DC LINK COVER	A230-0514-X002	1				
FACE PLATE	A230-0526-T104/A	1				
PLASTIC CASE	A230-0526-X001/A	1				
PLASTIC CASE	A230-0526-X002/C	1				
TERMINAL COVER	A230-0526-X006	1				
PACKING	A300-0009-X352	1				
PACKING	A300-0009-X429		1	1	1	
PACKING	A300-0009-X430					1
PCB(CONTROL)	A16B-2202-0431	1				
PCB(CONTROL)	A16B-2202-0432		1	1	1	1
PCB(POWER)	A16B-2203-0160	1				
PCB(POWER)	A20B-1006-0550			1		
PCB(POWER)	A20B-1006-0551		1			
PCB(POWER)	A20B-1006-0890				1	
PCB(POWER)	A20B-1007-0592					1
PCB(DRIVER)	A20B-2002-0080		1	1	1	1
PCB(DETECTOR)	A20B-2901-0851	3	3	3	3	3

3.15.3.7 SPM-HV (TYPE 3) (400VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE
		DRAWING NUMBER OF UNIT
		6092-H475
FUSE	A60L-0001-0362/300U	1
FAN MOTOR(INT)	A90L-0001-0422	2
IGBT	A50L-0001-0299/N	3
IGBT	A50L-0001-0299/P	3
PACKING	A300-0009-X430	1
PCB(CONTROL)	A16B-2202-0440	1
PCB(POWER)	A20B-1007-0592	1
PCB(DRIVER)	A20B-2002-0080	1
PCB(DETECTOR)	A20B-2901-0851	1
PCB(CONNECTOR)	A20B-2001-0700	1

3.15.3.8 SPM-HV Type4 400VAC Input Type

PARTS NAME	DRAWING NUMBER	NUMBER OF USE					
		DRAWING NUMBER OF UNIT					
		6092 - H111 6104 - H111	6092 - H115 6104 - H115	6092 - H126 6104 - H126	6092 - H145 6104 - H145	6092 - H175 6104 - H175	6104 - H176
FUSE	A60L-0001-0175/0.5A		1	1	1		
FUSE	A60L-0001-0362/50U	1					
FUSE	A60L-0001-0362/100U		1				
FUSE	A60L-0001-0362/150U			1			
FUSE	A60L-0001-0362/200U				1		2
FUSE	A60L-0001-0362/300U					1	
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0335/B		1	1	1		
FAN MOTOR(INT)	A90L-0001-0422		1	1	1	2	3
FAN MOTOR(INT)	A90L-0001-0423/105S	1					
IPM	A50L-0001-0348	1					
IGBT	A50L-0001-0354				3		
IGBT	A50L-0001-0363			3			
IGBT	A50L-0001-0294		3				
IGBT	A50L-0001-0299/N					3	
IGBT	A50L-0001-0299/P					3	
IGBT	A50L-0001-0299/NS						3
IGBT	A50L-0001-0299/PS						3
PLASTIC CASE	A230-0505-X001		1	1	1		
DC LINK COVER	A230-0505-X002		1	1	1		
FACE PLATE	A230-0505-X003/DT		1	1	1		
TERMINAL COVER	A230-0505-X004		1	1	1		
DC LINK COVER	A230-0514-X002	1					
FACE PLATE	A230-0526-T104/A	1					
PLASTIC CASE	A230-0526-X001/A	1					
PLASTIC CASE	A230-0526-X002/C	1					
TERMINAL COVER	A230-0526-X006	1					
PACKING	A300-0009-X352	1					
PACKING	A300-0009-X429		1	1	1		
PACKING	A300-0009-X430					1	1
PCB(CONTROL)	A16B-2203-0504	1					
PCB(CONTROL)	A16B-2203-0505		1	1	1	1	1
PCB(POWER)	A16B-2203-0160	1					
PCB(POWER)	A20B-1006-0550			1			
PCB(POWER)	A20B-1006-0551		1				
PCB(POWER)	A20B-1006-0890				1		
PCB(POWER)	A20B-1007-0592					1	
PCB(POWER)	A20B-1007-0594						1
PCB(DRIVER)	A20B-2002-0080		1	1	1	1	
PCB(DRIVER)	A20B-2002-0082						1
PCB(DETECTOR)	A20B-2902-0620	2	2	2	2	2	

PARTS NAME	DRAWING NUMBER	NUMBER OF USE				
		DRAWING NUMBER OF UNIT				
		6092 - H111	6092 - H115	6092 - H126	6092 - H145	6092 -H175
PCB(CONTROL)	A16B-2202-0434	1				
PCB(CONTROL)	A16B-2202-0435		1	1	1	1
PCB(POWER)	A16B-2203-0160	1				
PCB(POWER)	A20B-1006-0550			1		
PCB(POWER)	A20B-1006-0551		1			
PCB(POWER)	A20B-1006-0890				1	
PCB(POWER)	A20B-1007-0592					1
PCB(DRIVER)	A20B-2002-0080		1	1	1	1
PCB(DETECTOR)	A20B-2902-0620	2	2	2	2	2

3.15.3.9 SPMC (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE					
		DRAWING NUMBER OF UNIT					
		6082 -H202	6082 -H206	6082 -H211	6082 -H215	6082 -H222	6082 -H226
FUSE	A60L-0001-0175/0.5A				1	1	1
FUSE	A60L-0001-0183/50AS	1	1				
FUSE	A60L-0001-0183/100AS			1			
FUSE	A60L-0001-0183/150A				1		
FUSE	A60L-0001-0183/200A					1	
FUSE	A60L-0001-0183/300A						1
FAN MOTOR(EXT)	A90L-0001-0335/B				1	1	1
FAN MOTOR(INT)	A90L-0001-0385	1					
FAN MOTOR(INT)	A90L-0001-0422				1	1	1
FAN MOTOR(INT)	A90L-0001-0423/105S		1	1			
IPM	A50L-0001-0327	1	1				
IPM	A50L-0001-0331			1			
IGBT	A50L-0001-0338						3
IGBT	A50L-0001-0337					3	
IGBT	A50L-0001-0261/S				3		
CAPACITOR	A42L-0001-0291		3	4			
CAPACITOR	A42L-0001-0304						1
CAPACITOR	A42L-0001-0305					1	
CAPACITOR	A42L-0001-0306/B				1		
CAPACITOR PLASTIC CASE	A42L-0001-0309 A230-0526-X001/A	2	1	1			
PLASTIC CASE	A230-0526-X001/B	1					
PLASTIC CASE	A230-0526-X002/A		1	1			
PLASTIC CASE	A230-0527-X001/A	1					
DC LINK COVER	A230-0527-X002	1					
DC LINK COVER	A230-0514-X002		1	1			
FACE PLATE	A230-0527-T104/B	1					
FACE PLATE	A230-0526-T104/B		1	1			
TERMINAL COVER	A230-0527-X006	1					
TERMINAL COVER	A230-0526-X006		1	1			
PLASTIC CASE	A230-0505-X001				1	1	1
DC LINK COVER	A230-0505-X002				1	1	1
FACE PLATE	A230-0505-X003/G				1	1	1
TERMINAL COVER	A230-0505-X004				1	1	1
PACKING	A300-0009-X352		1	1			

PARTS NAME	DRAWING NUMBER	NUMBER OF USE					
		DRAWING NUMBER OF UNIT					
		6082 -H202	6082 -H206	6082 -H211	6082 -H215	6082 -H222	6082 -H226
PACKING	A300-0009-X413	1					
PACKING	A300-0009-X429				1	1	1
PCB(CONTROL)	A20B-2001-0780	1					
PCB(CONTROL)	A20B-2001-0781		1	1			
PCB(CONTROL)	A16B-2202-0840				1	1	1
PCB(POWER)	A16B-2202-0680	1					
PCB(POWER)	A16B-2202-0681		1				
PCB(POWER)	A16B-2202-0682			1			
PCB(POWER)	A20B-1006-0486				1		
PCB(POWER)	A20B-1006-0487					1	
PCB(POWER)	A20B-1006-0488						1
PCB(DRIVER)	A20B-2902-0390				1	1	1

3.15.4 Servo Amplifier SVU Series

3.15.4.1 SVU1 (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE				
		DRAWING NUMBER OF UNIT A06B-6089				
		- H101	- H102	- H104	- H105	- H106
FUSE	A60L-0001-0359	1	1	1	1	2
FAN MOTOR(INT)	A90L-0001-0423/105S		1			
FAN MOTOR(EXT)	A90L-0001-0335/B					1
IPM	A50L-0001-0273/A	1	1			
IPM	A50L-0001-0328			1		
IPM	A50L-0001-0330				1	
IPM	A50L-0001-0333					1
IGBT	A50L-0001-0251	1	1			
DIODE MODULE	A50L-2001-0291	1	1			
DIODE MODULE	A50L-2001-0232			1	1	
DIODE MODULE	A50L-2001-0138/A					1
CAPACITOR	A42L-0001-0267					2
CAPACITOR	A42L-0001-0317	1	1			
CAPACITOR	A42L-0001-0338			2	2	
RELAY	A58L-0001-0378/T			1	1	
RELAY	A58L-0001-0383/24VT			1	1	2
RELAY	A58L-0001-0397/T					1
RELAY	A58L-0001-0406/T	1	1	1	1	
RELAY	A58L-0001-0415/M02					1
RELAY	A58L-0001-0440	3	3			
BREAKER	A60L-0001-0372/05A	1				
BREAKER	A60L-0001-0372/15A		1	1		
BREAKER	A60L-0001-0372/20A				1	
BREAKER	A60L-0001-0374					1
CHASSIS	A230-0450-X002			1	1	
CHASSIS	A230-0450-X122					1
CHASSIS	A230-0450-T112	1	1			
COVER	A230-0450-X103			1	1	
COVER	A230-0450-X123					1
COVER	A230-0450-X113	1	1			
TERMINAL COVER	A230-0450-T102	1	1	1	1	
TERMINAL COVER	A230-0450-T125					1
PACKING	A300-0009-X352			1	1	
PACKING	A300-0009-X354					1
PCB(CONTROL)	A20B-2002-0030	1	1			
PCB(CONTROL)	A20B-2002-0031			1	1	1
PCB(POWER)	A16B-2202-0950	1				
PCB(POWER)	A16B-2202-0951		1			
PCB(POWER)	A20B-2002-0040			1		
PCB(POWER)	A20B-2002-0041				1	
PCB(POWER)	A20B-2002-0051					1
PCB(CONNECTOR)	A20B-1006-0560					1
PCB(CONNECTOR)	A20B-1006-0570					1

3.15.4.2 SVU2 (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE									
		DRAWING NUMBER OF UNIT A06B-6089									
		-H201	-H202	-H203	-H204	-H205	-H206	-H207	-H208	-H209	-H210
FUSE	A60L-0001-0359	1	1	1	1	1	1	1	1	1	1
IPM	A50L-0001-0328	2	2	2	2	2	2	1		1	1
IPM	A50L-0001-0330							1	2	1	1
DIODE MODULE	A50L-2001-0232	1	1	1	1	1	1	1	1	1	1
CAPACITOR	A42L-0001-0291	1	1	1	1	1	1	1	1	1	1
CAPACITOR	A42L-0001-0317	1	1	1	1	1	1	1	1	1	1
RELAY	A58L-0001-0378/T	1	1	1	1	1	1	1	1	1	1
RELAY	A58L-0001-0383/24VT	1	1	1	1	1	1	1	1	1	1
RELAY	A58L-0001-0406/T	1	1	1	1	1	1	1	1	1	1
BREAKER	A60L-0001-0372/15A	1	1	1	1				1	1	1
BREAKER	A60L-0001-0372/20A					1	1	1			
CHASSIS	A230-0450-X002	1	1	1	1	1	1	1	1	1	1
COVER	A230-0450-X103	1	1	1	1	1	1	1	1	1	1
TERMINAL COVER	A230-0450-T102	1	1	1	1	1	1	1	1	1	1
PCB(CONTROL)	A20B-2002-0032	1	1	1	1	1	1	1	1	1	1
PCB(POWER)	A20B-2002-0060	1									
PCB(POWER)	A20B-2002-0061		1								
PCB(POWER)	A20B-2002-0062			1							
PCB(POWER)	A20B-2002-0063				1						
PCB(POWER)	A20B-2002-0064					1					
PCB(POWER)	A20B-2002-0065						1				
PCB(POWER)	A20B-2002-0066							1			
PCB(POWER)	A20B-2002-0067								1		
PCB(POWER)	A20B-2002-0068									1	
PCB(POWER)	A20B-2002-0069										1

3.15.4.3 SVU3 (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE			
		DRAWING NUMBER OF UNIT A06B-6089			
		-H321	-H322	-H323	-H324
FUSE	A60L-0001-0359	1	1	1	1
IPM	A50L-0001-0273/A	3	3	3	3
IGBT	A50L-0001-0251	1	1	1	1
DIODE MODULE	A50L-2001-0291	4	4	4	4
CAPACITOR	A42L-0001-0317	1	1	1	1
CAPACITOR	A42L-0001-0338	1	1	1	1
RELAY	A58L-0001-0378/T	1	1	1	1
RELAY	A58L-0001-0383/24VT	1	1	1	1
RELAY	A58L-0001-0406/T	1	1	1	1
BREAKER	A60L-0001-0372/20A	1	1	1	1
CHASSIS	A230-0450-X002	1	1	1	1
COVER	A230-0450-X103	1	1	1	1
TERMINAL COVER	A230-0450-T132	1	1	1	1
PACKING	A300-0009-X352	1	1	1	1
PCB(CONTROL)	A20B-2002-0260	1	1	1	1
PCB(POWER)	A20B-2002-0270	1			
PCB(POWER)	A20B-2002-0271		1		
PCB(POWER)	A20B-2002-0272			1	
PCB(POWER)	A20B-2002-0273				1

3.15.4.4 SVUC1 (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE				
		DRAWING NUMBER OF UNIT A06B-6090				
		-H002	-H003	-H004	-H006	-H008
FUSE	A60L-0001-0359	1	1	1	1	2
FAN MOTOR(EXT)	A90L-0001-0335/B					1
IPM	A50L-0001-0273/A	1	1			
IPM	A50L-0001-0328			1		
IPM	A50L-0001-0330				1	
IPM	A50L-0001-0333					1
IGBT	A50L-0001-0251	1	1			
DIODE MODULE	A50L-2001-0291	1	1			
DIODE MODULE	A50L-2001-0232			1	1	
DIODE MODULE	A50L-2001-0138/A					1
CAPACITOR	A42L-0001-0267					2
CAPACITOR	A42L-0001-0317	1	1			
CAPACITOR	A42L-0001-0338			2	2	
RELAY	A58L-0001-0378/T			1	1	
RELAY	A58L-0001-0383/24VT			1	1	2
RELAY	A58L-0001-0397/T					1
RELAY	A58L-0001-0406/T	1	1	1	1	
RELAY	A58L-0001-0415/M02					1
RELAY	A58L-0001-0440	3	3			
BREAKER	A60L-0001-0372/05A	1	1			
BREAKER	A60L-0001-0372/15A			1		
BREAKER	A60L-0001-0372/20A				1	
BREAKER	A60L-0001-0374					1
CHASSIS	A230-0450-X002			1	1	
CHASSIS	A230-0450-X122					1
CHASSIS	A230-0450-T112	1	1			
COVER	A230-0450-X103			1	1	
COVER	A230-0450-X123					1
COVER	A230-0450-X113	1	1			
TERMINAL COVER	A230-0450-T102	1	1	1	1	
TERMINAL COVER	A230-0450-T125					1
PACKING	A300-0009-X352			1	1	
PACKING	A300-0009-X354					1
PCB(CONTROL)	A20B-2002-0030	1	1			
PCB(CONTROL)	A20B-2002-0031			1	1	1
PCB(POWER)	A16B-2202-0955	1				
PCB(POWER)	A16B-2202-0956		1			
PCB(POWER)	A20B-2002-0045			1		
PCB(POWER)	A20B-2002-0047				1	
PCB(POWER)	A20B-2002-0056					1
PCB(CONNECTOR)	A20B-1006-0560					1
PCB(CONNECTOR)	A20B-1006-0570					1

【Note】

Combine the unit before "D" edition with the IPM"A50L-0001-0274/A", and combine the unit after "E" edition with the IPM"A50L-0001-0274/RAS".
The combination of the unit before "D" edition and IPM"A50L-0001-0274/RAS" get the IPM broken. Take care of the combination of Unit and IPM.

3.15.4.5 SVUC2 (200VAC Input Type)

PARTS NAME	DRAWING NUMBER	NUMBER OF USE									
		DRAWING NUMBER OF UNIT A06B-6090									
		-H211	-H222	-H223	-H224	-H233	-H234	-H236	-H244	-H246	-H266
FUSE	A60L-0001-0359	1	1	1	1	1	1	1	1	1	1
IPM	A50L-0001-0328	2	2	2	2	2	2	1	2	1	
IPM	A50L-0001-0330							1		1	2
DIODE MODULE	A50L-2001-0232	1	1	1	1	1	1	1	1	1	1
CAPACITOR	A42L-0001-0291	1	1	1	1	1	1	1	1	1	1
CAPACITOR	A42L-0001-0317	1	1	1	1	1	1	1	1	1	1
RELAY	A58L-0001-0378/T	1	1	1	1	1	1	1	1	1	1
RELAY	A58L-0001-0383/24VT	1	1	1	1	1	1	1	1	1	1
RELAY	A58L-0001-0406/T	1	1	1	1	1	1	1	1	1	1
BREAKER	A60L-0001-0372/15A	1	1	1	1	1	1	1			1
BREAKER	A60L-0001-0372/20A								1	1	
CHASSIS	A230-0450-X002	1	1	1	1	1	1	1	1	1	1
COVER	A230-0450-X103	1	1	1	1	1	1	1	1	1	1
TERMINAL COVER	A230-0450-T102	1	1	1	1	1	1	1	1	1	1
PACKING	A300-0009-X352	1	1	1	1	1	1	1	1	1	1
PCB(CONTROL)	A20B-2002-0032	1	1	1	1	1	1	1	1	1	1
PCB(POWER)	A20B-2002-0150	1									
PCB(POWER)	A20B-2002-0151		1								
PCB(POWER)	A20B-2002-0152			1							
PCB(POWER)	A20B-2002-0153				1						
PCB(POWER)	A20B-2002-0154					1					
PCB(POWER)	A20B-2002-0155						1				
PCB(POWER)	A20B-2002-0156							1			
PCB(POWER)	A20B-2002-0157								1		
PCB(POWER)	A20B-2002-0158									1	
PCB(POWER)	A20B-2002-0159										1

αi Series Amplifier

4. **α*i*** SERIES AMPLIFIER..... 41
4.1. PSMi / iPS Series Configuration..... 42
4.1.1. PSMi..... 42
4.1.2. PSMRi..... 42
4.1.3. PSMHVi..... 42
4.1.4. PSMi Control Board Update..... 42
4.1.5. iPS Series..... 42
4.1.6. iPS Series for 30i/31i/32i-B..... 43
4.2. SVMi / iSV Series Configuration..... 43
4.2.1. SVM1i..... 43
4.2.2. iSV1..... 43
4.2.3. iSV1 for 30i/31i/32i-B..... 43
4.2.4. SVM2i..... 43
4.2.5. iSV2..... 43
4.2.6. iSV2 for 30i/31i/32i-B..... 43
4.2.7. SVM3i..... 43
4.2.8. iSV3..... 43
4.2.9. iSV3 for 30i/31i/32i-B..... 43
4.2.10. SVM1HVi..... 44
4.2.11. iSV1HV..... 44
4.2.12. iSV1HV for 30i/31i/32i-B..... 44
4.2.13. SVM2HVi..... 44
4.2.14. iSV2HV..... 44
4.2.15. iSV2HV for 30i/31i/32i-B..... 44
4.2.16. iSV3HV for 30i/31i/32i-B 44
4.2.17. SVMi Control PCB Update 44
4.3. SPMi/iSP Configuration..... 45
4.3.1. SPMi (Type-A)..... 45
4.3.2. iSP (Type-A)..... 45
4.3.3. SPMi (Type-B)..... 45
4.3.4. iSP (Type-B)..... 45
4.3.5. iSP (Type B 200V) for Velocity Tandem Control... 46
4.3.6. SPMHVi (Type-A)..... 46
4.3.7. iSPHV (Type-A)..... 46
4.3.8. SPMHVi (Type-B)..... 46
4.3.9. iSPHV (Type-B)..... 46
4.3.10. iSP (Type-B 400V) for Velocity Tandem Control... 47
4.3.11. iSP (200V) for 30i/31i/32i-B..... 47
4.3.12. iSP (400V) for 30i/31i/32i-B..... 47
4.3.13. SPMCi..... 47
4.3.14. Servo/Spindle Multi axis for 30i/31i/32i-B..... 47
4.4. FAN Motor Specification..... 47
4.4.1. PSMi..... 47
4.4.2. SVMi..... 47
4.4.3. SPMi..... 47
4.4.4. iPS for 30i/31i/32i-B..... 48
4.4.5. iSP for 30i/31i/32i-B..... 48
4.4.6. iSV1 for 30i/31i/32i-B..... 48
4.4.7. iSV2 for 30i/31i/32i-B..... 48
4.4.8. iSV3 for 30i/31i/32i-B..... 48
4.5. Maintenance Parts list A-53867-1671/01..... 49
4.5.1. Power Supply Module..... 49
4.5.2. Servo Amplifier Module..... 50
4.5.3. Spindle Amplifier Module..... 51
4.6. Update procedure of Spindle Software..... 54
4.7. Spindle Software list..... 54

Edition	Details	Date
1	The First edition	10.May.94
2	Add D series amplifier	25.May.94
3	Add α series amplifier	15.Jun.94
4	Add 15B,16B	21.Sep.94
5	New design	10.Nov.94
6	New design	02.Aug.95
7	Euro edition	01.Jun.96
7.1	Euro edition by English MS-WORD, Add β series Add 16/18 Model C	29.Nov.96
7.2	Add 16/18/21 Block diagram	24.Nov.97
8	Add 16/18/21 i Series, Separated Vol1,2	29.May.98
8.1	Add 15i, Modify with new information	31.Aug.99
8.2	New design	01.Dec.99
8.3	Additional info. 1	01.May.01
8.4	Additional info. 2	20.Jun.03
8.5	PDF Version, System 30/31/32iA added	24.Dec.04
8.6	Update	17.Oct.06
8.6.1	Update (iPS,iSV,iSP added) , Correction of Error	29.Jun.07
9.0	Update	01.Apr.08
9.2	Update Addition of 0i Model D..etc , Correction of Error	28.Nov.08
9.3	Update Panel I, I/O unit	30.Mar.09
9.4	Change Format, Update	30.May.11
9.4b	Add Amplifier for 30i/31i/32i-B Series	05.June.11

α*i* SERIES Update

4. αi Series Amplifier

4.1. PSMi / iPS Series Configuration

4.1.1. PSMi

PSMi	Unit Specification	Control PCB	Power PCB	IGBT/IPM
PSM-5.5i	A06B-6110-H006	A20B-2101-0394	A16B-2203-0640	A50L-0001-0335
PSM-11i	A06B-6110-H011		A16B-2203-0641	
PSM-15i	A06B-6110-H015		A16B-2203-0642	A50L-0001-0336
PSM-26i	A06B-6110-H026		A16B-2203-0630	A50L-0001-0342
PSM-30i	A06B-6110-H030		A16B-2203-0631	A50L-0001-0343
PSM-37i	A06B-6110-H037		A16B-2203-0632	A50L-0001-0344
PSM-55i	A06B-6110-H055		A20B-1008-0081	

4.1.2. PSMRi

PSMRi	Unit Specification	Control PCB	Power PCB	IGBT/IPM
PSMR-1i	A06B-6115-H001	----------	A16B-2203-0830	A50L-0001-0251#A
PSMR-3i	A06B-6115-H003	----------	A16B-2203-0781	
PSMR-5.5i	A06B-6115-H006	----------	A16B-2203-0782	A50L-0001-0279

4.1.3. PSMHVi

PSM-HVi	Unit Specification	Control PCB	Power PCB	IGBT/IPM
PSM-11HVi	A06B-6120-H011	A20B-2101-0392	A16B-2203-0647	A50L-0001-0350
PSM-18HVi	A06B-6120-H018		A16B-2203-0648	A50L-0001-0351
PSM-30HVi	A06B-6120-H030		A16B-2203-0636	A50L-0001-0357
PSM-45HVi	A06B-6120-H045		A16B-2203-0637	A50L-0001-0358
PSM-75HVi	A06B-6120-H075		A20B-1008-0086	
PSM-100HVi	A06B-6120-H100		A20B-1008-0087	

		6120-H2xx									
Spare parts spec	Name	H202	H205	H206	H207	H208	H209	H252	H255	H256	H257
A06B-6110-C601	FAN UNIT							1			
A06B-6110-C603	FAN UNIT			1	1	1	1		1	1	1
A06B-6110-C605	FAN UNIT	1	1					1			
A06B-6110-C606	FAN UNIT			1	1	1	1		1	1	1
A16B-2203-0810	Power PCB		1								
A16B-2203-0811	Power PCB			1						1	
A16B-2203-0812	Power PCB				1						1
A16B-2203-0813	Power PCB					1					
A16B-2203-0814	Power PCB						1				
A16B-2203-0815	Power PCB	1									
A16B-2203-0816	Power PCB							1			
A16B-2203-0817	Power PCB								1		
A20B-1007-0880	CONNECTOR PCB	1	1					1			
A20B-1007-0890	CONNECTOR PCB			1	1	1	1		1	1	1
A20B-2101-0041	Control PCB	1	1	1	1	1	1	1	1	1	1
A42L-0001-0315#334K	HRCMF3B334K-20B	2	2	2	2	2	2	2	2	2	2
A50L-0001-0347		2	2	1				2	2	1	
A50L-0001-0348	6MBP50RA120			1	2	1					
A50L-0001-0375	IPM					1	2			1	2

4.1.4. PSMi Control Board Update

Old Specification	New Specification	Unit
A20B-2100-0760	A20B-2101-0392	A06B-6110-Hxxx,A06B-6120-Hxxx
A20B-2100-0761	A20B-2101-0392	A06B-6110-Hxxx,A06B-6120-Hxxx
A20B-2100-0762	A20B-2101-0392	A06B-6110-Hxxx,A06B-6120-Hxxx
A20B-2100-0763	A20B-2101-0393	A06B-6120-Hxxx#J409
A20B-2100-0764	A20B-2101-0394	A06B-6110-Hxxx#P
A20B-2101-0250	A20B-2101-0390	A06B-6120-Hxxx#J423

(Refer to the SR2006-161)

4.1.5. iPS Series

iPS (6140,6150 Series) is full upper compatible of αPSMi Series (6110,6120 Series)

(200V Input type)

iPS	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iPS-6	A06B-6140-H006	A20B-2101-0390	A16B-2203-0640	A50L-0001-0335
iPS-11	A06B-6140-H011		A16B-2203-0641	
iPS-15	A06B-6140-H015		A16B-2203-0642	A50L-0001-0336
iPS-26	A06B-6140-H026		A16B-2203-0630	A50L-0001-0342
iPS-30	A06B-6140-H030		A16B-2203-0631	A50L-0001-0343
iPS-37	A06B-6140-H037		A16B-2203-0632	A50L-0001-0344
iPS-55	A06B-6140-H055		A20B-1008-0081	

(400V Input type)

iPS-HV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iPS-11HV	A06B-6150-H011	A20B-2101-0390	A16B-2203-0647	A50L-0001-0350
iPS-18HV	A06B-6150-H018		A16B-2203-0648	A50L-0001-0351
iPS-30HV	A06B-6150-H030		A16B-2203-0636	A50L-0001-0418
iPS-45HV	A06B-6150-H045		A16B-2203-0637	A50L-0001-0420
iPS-60HV	A06B-6150-H060		A16B-2203-0638	
iPS-75HV	A06B-6150-H075		A20B-1008-0086	
iPS-100HV	A06B-6150-H100		A20B-1008-0087	

		6140-						
Specification	Description	H006	H011	H015	H026	H030	H037	H055
A06B-6110-C603	FAN UNIT		1	1				
A06B-6110-C604	FAN UNIT				1	1	1	2
A06B-6110-C607	FAN UNIT							2
A20B-2101-0390	Control Board	1	1	1	1	1	1	1
A16B-2203-0640	Power Board	1						
A16B-2203-0641	Power Board		1					
A16B-2203-0642	Power Board			1				
A16B-2203-0630	Power Board				1			
A16B-2203-0631	Power Board					1		
A16B-2203-0632	Power Board						1	
A20B-1008-0081	Power Board							1
A20B-2003-0420								1
A20B-2003-0430								6
A20B-1007-0920	Connector Board	1						
A20B-1007-0930	Connector Board		1	1				
A44L-0001-0173#1000AL300	Transformer							1
A44L-0001-0173#1000AL420	Transformer							1
A50L-0001-0335	6MBP100RTC06001	1	1					
A50L-0001-0336	6MBP150RTC06001			1				
A50L-0001-0342	2MBI200TC060-01				3			
A50L-0001-0343	2MBI300TC060-01					3		
A50L-0001-0344	2MBI400TC060-01						3	6
A50L-2001-0327	PC1008						1	
A50L-5000-0051#100A	D-TY Module	1	1					
A50L-5000-0060	Thyristor						1	
A50L-5000-0062	Thyristor			1				
A50L-5000-0063	Thyristor				1	1		
A50L-5000-0071	Thyristor							1
A57L-0001-0111#90B	Thermostat				1	1	1	
A57L-0001-0112#90B	Thermostat							2

		6150-					
Specification	Description	H011	H018	H030	H045	H075	H100
A06B-6110-C603	FAN UNIT	1	1				
A06B-6110-C604	FAN UNIT			1	1	2	2
A06B-6110-C607	FAN UNIT			1	1	2	2
A20B-2101-0390	Control Board	1	1	1	1	1	1
A16B-2203-0647	Power Board	1					
A16B-2203-0648	Power Board		1				
A16B-2203-0636	Power Board			1			
A16B-2203-0637	Power Board				1		
A20B-1008-0086	Power Board					1	
A20B-1008-0087	Power Board						1
A20B-1007-0930	Connector Board	1	1				
A20B-2003-0420						1	1
A20B-2003-0430						6	6
A40L-0001-0437#20M753J	Resistor					2	2
A42L-0001-0315#334K	HRCMF3B334K-20B	1	1				
A42L-0001-0436	CAPACITOR					1	1
A44L-0001-0173#600AL300	Transformer					1	1
A44L-0001-0173#600AL420	Transformer					1	1
A50L-0001-0350	6MBP50RC120	1					
A50L-0001-0351	6MBP80RC120		1				
A50L-0001-0418	IGBT/2MBI150UR			3			
A50L-0001-0420	IGBT/2MGI200UR				3	6	6
A50L-5000-0052	SDM 150A/1600V			1	1		
A50L-5000-0069	Thyristor	1					
A50L-5000-0070	Thyristor		1				
A50L-5000-0072	Thyristor					1	1
A57L-0001-0111#90B	Thermostat			1	1		
A57L-0001-0112#90B	Thermostat					2	2

4.1.6. iPS Series for 30i/31i/32i-B

(200V Input Type)

iPS	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iPS-7.5	A06B-6200-H008			
iPS-11	A06B-6200-H011			
iPS-15	A06B-6200-H015			
iPS-26	A06B-6200-H026			
iPS-30	A06B-6200-H030			
iPS-37	A06B-6200-H037			

(400V Input Type)

iPS	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iPS-11HV	A06B-6250-H011			
iPS-18HV	A06B-6250-H018			
iPS-30HV	A06B-6250-H030			
iPS-45HV	A06B-6250-H045			
iPS-60HV	A06B-6250-H060			

4.2. SVMi / iSV Series Configuration

4.2.1. SVM1i

SVM1i	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SVM1-4i	A06B-6114-H101	A20B-2100-0740	A16B-2203-0690	----------
SVM1-10i	A06B-6114-H102		A16B-2203-0710	----------
SVM1-20i	A06B-6114-H103		A16B-2203-0691	----------
SVM1-40i	A06B-6114-H104		A16B-2203-0660	A50L-0001-0327
SVM1-80i	A06B-6114-H105		A16B-2203-0661	A50L-0001-0329
SVM1-160i	A06B-6114-H106		A16B-2203-0662	A50L-0001-0332
SVM1-160Li	A06B-6114-H107		A16B-2203-0663	
SVM1-360i	A06B-6114-H109		A16B-2203-0625	A50L-0001-0340

4.2.2. iSV1 Series (HRV2/3)

SVM1i / iSV1	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV1-4	A06B-6117-H101	A20B-2101-0040	A16B-2203-0690	----------
iSV1-20	A06B-6117-H103		A16B-2203-0691	----------
iSV1-40	A06B-6117-H104		A16B-2203-0660	A50L-0001-0327
iSV1-80	A06B-6117-H105		A16B-2203-0661	A50L-0001-0329
iSV1-160	A06B-6117-H106		A16B-2203-0662	A50L-0001-0332
iSV1-360	A06B-6117-H109	A20B-2101-0070	A16B-2203-0875	A50L-0001-0340
iSV1-20L	A06B-6117-H153	A20B-2101-0040	A16B-2203-0666	A50L-0001-0327
iSV1-40L	A06B-6117-H154		A16B-2203-0660	
iSV1-80L	A06B-6117-H155		A16B-2203-0667	A50L-0001-0329
iSV1-160L	A06B-6117-H156		A16B-2203-0663	A50L-0001-0374

4.2.3. iSV1 Series for 30i/31i/32i-B

iSV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV4	A06B-6240-H101			
iSV20	A06B-6240-H103			
iSV40	A06B-6240-H104			
iSV80	A06B-6240-H105			
iSV160	A06B-6240-H106			
iSV360	A06B-6240-H109			

4.2.4. SVM2i

SVM2i	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SVM2-4/4i	A06B-6114-H201	A20B-2100-0741	A16B-2203-0692	----------
SVM2-10/10i	A06B-6114-H202		A16B-2203-0693	----------
SVM2-4/20i	A06B-6114-H203		A16B-2203-0694	----------
SVM2-20/20i	A06B-6114-H205		A16B-2203-0695	----------
SVM2-20/40i	A06B-6114-H206		A16B-2203-0670	A50L-0001-0327
SVM2-40/40i	A06B-6114-H207		A16B-2203-0671	
SVM2-40/80i	A06B-6114-H208		A16B-2203-0672	A50L-0001-0327 A50L-0001-0329
SVM2-80/80i	A06B-6114-H209		A16B-2203-0673	A50L-0001-0329
SVM2-80/160i	A06B-6114-H210		A16B-2203-0674	A50L-0001-0329 A50L-0001-0332
SVM2-160/160i	A06B-6114-H211		A16B-2203-0675	A50L-0001-0332

4.2.5. iSV2 Series (HRV2/3)

SVM2i / iSV2	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV2-4/4	A06B-6117-H201	A20B-2101-0041	A16B-2203-0692	----------
iSV2-4/20	A06B-6117-H203		A16B-2203-0691	----------
iSV2-20/20	A06B-6117-H205		A16B-2203-0695	----------
iSV2-20/40	A06B-6117-H206		A16B-2203-0670	A50L-0001-0327
iSV2-40/40	A06B-6117-H207		A16B-2203-0671	
iSV2-40/80	A06B-6117-H208		A16B-2203-0672	A50L-0001-0329
iSV2-80/80	A06B-6117-H209		A16B-2203-0673	
iSV2-80/160	A06B-6117-H210		A16B-2203-0674	
iSV2-160/160	A06B-6117-H211		A16B-2203-0675	A50L-0001-0374
iSV2-20/20L	A06B-6117-H255		A16B-2203-0677	A50L-0001-0327
iSV2-20/40L	A06B-6117-H256		A16B-2203-0678	
iSV2-40/40L	A06B-6117-H257		A16B-2203-0679	
iSV2-40/80L	A06B-6117-H258		A16B-2203-0672	
iSV2-80/80L	A06B-6117-H259		A16B-2203-0673	A50L-0001-0329

4.2.6. iSV2 Series for 30i/31i/32i-B

iSV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV4/4	A06B-6240-H201			
iSV4/20	A06B-6240-H203			
iSV20/20	A06B-6240-H205			
iSV20/40	A06B-6240-H206			
iSV40/40	A06B-6240-H207			
iSV40/80	A06B-6240-H208			
iSV80/80	A06B-6240-H209			
iSV80/160	A06B-6240-H210			
iSV160/160	A06B-6240-H211			

4.2.7. SVM3i

SVM3i	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SVM3-4/4/4i	A06B-6114-H301	A20B-2100-0742	A16B-2203-0696	----------
SVM3-10/10/10i	A06B-6114-H302		A16B-2203-0697	----------
SVM3-20/20/20i	A06B-6114-H303		A16B-2203-0698	----------
SVM3-20/20/40i	A06B-6114-H304		A16B-2203-0680	A50L-0001-0327

4.2.8. iSV3 Series (HRV2/3)

SVM3i / iSV3	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV3-4/4/4	A06B-6117-H301	A20B-2101-0042	A16B-2203-0696	----------
iSV3-20/20/20	A06B-6117-H303		A16B-2203-0698	----------
iSV3-20/20/40	A06B-6117-H304		A16B-2203-0680	A50L-0001-0327

4.2.9. iSV3 Series for 30i/31i/32i-B

iSV3	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV-4/4/4	A06B-6240-H301			
iSV-20/20/20	A06B-6240-H305			
iSV-20/20/40	A06B-6240-H306			
iSV-40/40/40	A06B-6240-H308			

4.2.10. SVM1HVi

SVM1-HVi	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SVM1-10HVi	A06B-6124-H102	A20B-2100-0740	A16B-2203-0803	A50L-0001-0347
SVM1-20HVi	A06B-6124-H103		A16B-2203-0800	
SVM1-40HVi	A06B-6124-H104		A16B-2203-0801	A50L-0001-0348
SVM1-80HVi	A06B-6124-H105		A16B-2203-0802	A50L-0001-0349
SVM1-180HVi	A06B-6124-H106	A20B-2100-0831	A16B-2203-0629	A50L-0001-0354
SVM1-360HVi	A06B-6124-H109	A20B-8100-0830	A20B-1008-0099	A50L-0001-0355

4.2.11. iSV1HV

iSV1HV1	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV1-10HV	A06B-6127-H102	A20B-2101-0040		
iSV1-20HV	A06B-6127-H103		A16B-2203-0800	A50L-0001-0347
iSV1-40HV	A06B-6127-H104		A16B-2203-0801	A50L-0001-0348
iSV1-80HV	A06B-6127-H105		A16B-2203-0802	A50L-0001-0375
iSV1-180HV	A06B-6127-H106	A20B-2101-0071	A16B-2203-0876	A50L-0001-0419
iSV1-360HV	A06B-6127-H109	A20B-2101-0070	A20B-1008-0098	A50L-0001-0421
iSV1-10HVL	A06B-6127-H152	A20B-2101-0040	A16B-2203-0804	A50L-0001-0347
iSV1-20HVL	A06B-6127-H153		A16B-2203-0805	
iSV1-40HVL	A06B-6127-H154		A16B-2203-0806	A50L-0001-0375
iSV1-80HVL	A06B-6127-H155		A16B-2203-0802	

		6127-H1xx								
Spare parts spec	Name	H103	H104	H105	H106	H109	H152	H153	H154	H155
A06B-6110-C601	FAN UNIT							1		
A06B-6110-C602	FAN UNIT			1					1	
A06B-6110-C603	FAN UNIT									1
A06B-6110-C604	FAN UNIT				1	2				
A06B-6110-C605	FAN UNIT	1	1	1			1	1	1	
A06B-6110-C606	FAN UNIT									1
A06B-6110-C607	FAN UNIT				1	2				
A16B-2203-0800	Power Board	1								
A16B-2203-0801	Power Board		1							
A16B-2203-0802	Power Board			1						1
A16B-2203-0804	Power Board						1			
A16B-2203-0805	Power Board							1		
A16B-2203-0806	Power Board								1	
A16B-2203-0876	Power Board				1					
A20B-1007-0880	CONNECTOR PCB	1	1	1			1	1	1	
A20B-1007-0890	CONNECTOR PCB									1
A20B-1008-0098	Power Board					1				
A20B-2003-0761						6				
A20B-2003-0770						1				
A20B-2101-0040	Control PCB	1	1	1			1	1	1	1
A20B-2101-0070	Control PCB					1				
A20B-2101-0071	Control PCB				1					
A40L-0001-0437#20M753J	Resistor					2				
A40L-0001-0491#A	Resistor					1				
A40L-0001-0491#B	Resistor					5				
A42L-0001-0315#334K	HRCMF3B334K-20B	1	1	1			1	1	1	1
A42L-0001-0436	CAPACITOR					1				
A44L-0001-0174#450AL300	Transformer					1				
A44L-0001-0175#L300						1				
A44L-0001-0175#L420						1				
A50L-0001-0347		1					1	1		
A50L-0001-0348	6MBP50RA120		1							
A50L-0001-0375	IPM			1					1	1
A50L-0001-0419	2MBI200UF-120				3					
A50L-0001-0421	IGBT					6				
A57L-0001-0112#90B	Thermostat				1	2				
A60L-0001-0362#300U	FUSE					1				

4.2.12. iSV1HV for 30i/31i/32i-B

iSVHV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV-10HV	A06B-6290-H102			
iSV-20HV	A06B-6290-H103			
iSV-40HV	A06B-6290-H104			
iSV-80HV	A06B-6290-H105			
iSV-180HV	A06B-6290-H106			

4.2.13. SVM2HVi

SVM2-HVi	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SVM2-10/10HVi	A06B-6124-H202	A20B-2100-0741	A16B-2203-0815	A50L-0001-0347
SVM2-20/20HVi	A06B-6124-H205		A16B-2203-0810	
SVM2-20/40HVi	A06B-6124-H206		A16B-2203-0811	A50L-0001-0347 A50L-0001-0348
SVM2-40/40HVi	A06B-6124-H207		A16B-2203-0812	A50L-0001-0348
SVM2-40/80HVi	A06B-6124-H208		A16B-2203-0813	A50L-0001-0348 A50L-0001-0349
SVM2-80/80HVi	A06B-6124-H209		A16B-2203-0814	A50L-0001-0349

4.2.14. iSV2HV

iSVM2HV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV2-10/10HV	A06B-6127-H202	A20B-2101-0041	A16B-2203-0815	A50L-0001-0347
iSV2-20/20HV	A06B-6127-H205		A16B-2203-0810	
iSV2-20/40HV	A06B-6127-H206		A16B-2203-0811	A50L-0001-0347 A50L-0001-0348
iSV2-40/40HV	A06B-6127-H207		A16B-2203-0812	A50L-0001-0348
iSV2-40/80HV	A06B-6127-H208		A16B-2203-0813	A50L-0001-0348 A50L-0001-0375
iSV2-80/80HV	A06B-6127-H209		A16B-2203-0814	A50L-0001-0375
iSV2-10/10HVL	A06B-6127-H252		A16B-2203-0816	A50L-0001-0347
iSV2-20/20HVL	A06B-6127-H255		A16B-2203-0817	
iSV2-20/40HVL	A06B-6127-H256		A16B-2203-0811	A50L-0001-0347 A50L-0001-0348
iSV2-40/40HVL	A06B-6127-H257		A16B-2203-0812	A50L-0001-0375

4.2.15. iSV2HV for 30i/31i/32i-B

iSVM2HV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV-10/10HV	A06B-6290-H202			
iSV-10/20HV	A06B-6290-H204			
iSV-20/20HV	A06B-6290-H205			
iSV-20/40HV	A06B-6290-H206			
iSV-40/40HV	A06B-6290-H207			
iSV-40/80HV	A06B-6290-H208			
iSV-80/80HV	A06B-6290-H209			

4.2.16. iSV3HV for 30i/31i/32i-B

iSV3HV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSV-10/10/.10HV	A06B-6290-H302			
iSV-10/10/20HV	A06B-6290-H303			
iSV-20/20/20HV	A06B-6290-H305			

4.2.17. SVMi Control PCB Update

Old Specification	New Specification
A20B-2100-0740	A20B-2101-0040
A20B-2100-0741	A20B-2101-0041
A20B-2100-0742	A20B-2101-0042
A20B-2100-0830	A20B-2101-0070
A20B-2100-0831	A20B-2101-0071

4.3. SPMi / iSP Series Configuration

4.3.1. SPMi (Type-A)

SPMi-Type-A	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SPM-2.2i	A06B-6111-H002#H550	A20B-2100-0800	A16B-2203-0650	A50L-0001-0327
SPM-5.5i	A06B-6111-H006#H550		A16B-2203-0651	
SPM-11i	A06B-6111-H011#H550		A16B-2203-0652	A50L-0001-0331
SPM-15i	A06B-6111-H015#H550		A16B-2203-0653	A50L-0001-0332
SPM-22i	A06B-6111-H022#H550		A16B-2203-0620	A50L-0001-0337
SPM-26i	A06B-6111-H026#H550		A16B-2203-0621	A50L-0001-0338
SPM-30i	A06B-6111-H030#H550		A16B-2203-0622	A50L-0001-0340
SPM-37i	A06B-6111-H037#H550		A16B-2203-0623	
SPM-45i	A06B-6111-H045#H550		A20B-1008-0090	
SPM-55i	A06B-6111-H055#H550		A20B-1008-0091	A50L-0001-0341

4.3.2. iSP (Type-A)

iSP-Type-A	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-2.2	A06B-6141-H002#H580	A20B-2101-0350	A16B-2203-0656	A50L-0001-0329
iSP-5.5	A06B-6141-H006#H580		A16B-2203-0657	
iSP-11	A06B-6141-H011#H580		A16B-2203-0658	A50L-0001-0374
iSP-15	A06B-6141-H015#H580		A16B-2203-0659	
iSP-22	A06B-6141-H022#H580		A16B-2203-0870	A50L-0001-0402
iSP-26	A06B-6141-H026#H580		A16B-2203-0871	A50L-0001-0404
iSP-30	A06B-6141-H030#H580		A16B-2203-0872	A50L-0001-0340
iSP-37	A06B-6141-H037#H580		A16B-2203-0873	
iSP-45	A06B-6141-H045#H580		A20B-1008-0092	A50L-0001-0404
iSP-55	A06B-6141-H055#H580		A20B-1008-0093	A50L-0001-0341

4.3.3. SPMi (Type-B)

SPMi-Type-B	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SPM-2.2i	A06B-6112-H002#H550	A20B-2100-0801	A16B-2203-0650	A50L-0001-0327
SPM-5.5i	A06B-6112-H006#H550		A16B-2203-0651	
SPM-11i	A06B-6112-H011#H550		A16B-2203-0652	A50L-0001-0331
SPM-15i	A06B-6112-H015#H550		A16B-2203-0653	A50L-0001-0332
SPM-22i	A06B-6112-H022#H550		A16B-2203-0620	A50L-0001-0337
SPM-26i	A06B-6112-H026#H550		A16B-2203-0621	A50L-0001-0338
SPM-30i	A06B-6112-H030#H550		A16B-2203-0622	A50L-0001-0340
SPM-37i	A06B-6112-H037#H550	A20B-2100-0800	A16B-2203-0623	
SPM-45i	A06B-6112-H045#H550		A20B-1008-0090	
SPM-55i	A06B-6112-H055#H550		A20B-1008-0091	A50L-0001-0341

4.3.4. iSP (Type-B)

iSP-TypeB	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-2.2	A06B-6142-H002#H580	A20B-2101-0351	A16B-2203-0656	A50L-0001-0329
iSP-5.5	A06B-6142-H006#H580		A16B-2203-0657	
iSP-11	A06B-6142-H011#H580		A16B-2203-0658	A50L-0001-0374
iSP-15	A06B-6142-H015#H580		A16B-2203-0659	
iSP-22	A06B-6142-H022#H580		A16B-2203-0870	A50L-0001-0402
iSP-26	A06B-6142-H026#H580		A16B-2203-0871	A50L-0001-0404
iSP-30	A06B-6142-H030#H580		A16B-2203-0872	A50L-0001-0340
iSP-37	A06B-6142-H037#H580		A16B-2203-0873	
iSP-45	A06B-6142-H045#H580		A20B-1008-0092	A50L-0001-0404
iSP-55	A06B-6142-H055#H580		A20B-1008-0093	A50L-0001-0341

Spare parts spec	Name	6141-Hxxx#H580									
		H002	H006	H011	H015	H022	H026	H030	H037	H045	H055
A06B-6141-H580	9D80	1	1	1	1	1	1	1	1	1	1
A06B-6110-C601	FAN UNIT		1								
A06B-6110-C603	FAN UNIT			1	1						
A06B-6110-C604	FAN UNIT					1	1	1	1	2	2
A06B-6110-C605	FAN UNIT	1	1								
A06B-6110-C606	FAN UNIT			1	1						
A06B-6110-C607	FAN UNIT					1	1	1	1	2	2
A16B-2203-0656	Power Board	1									
A16B-2203-0657	Power Board		1								
A16B-2203-0658	Power Board			1							
A16B-2203-0659	Power Board				1						
A16B-2203-0870	Power Board					1					
A16B-2203-0871	Power Board						1				
A16B-2203-0872	Power Board							1			
A16B-2203-0873	Power Board								1		
A20B-1007-0900		1	1								
A20B-1007-0910				1	1						
A20B-1008-0092	Power Board									1	
A20B-1008-0093	Power Board										1
A20B-2003-0760										6	
A20B-2003-0761											6
A20B-2003-0770										1	1
A20B-2101-0350	Control Board	1	1	1	1	1	1	1	1	1	1
A40L-0001-0491#A	Resistor									1	1
A40L-0001-0491#B	Resistor									5	5
A42L-0001-0287#225K	CAPACITOR	1	1	1							
A42L-0001-0438#A	CAPACITOR							1			
A42L-0001-0438#B	CAPACITOR								1		
A42L-0001-0451	CAPACITOR					1					
A42L-0001-0452	CAPACITOR						1				
A42L-0001-0454	CAPACITOR									1	1
A42L-0001-0455#225K	CAPACITOR				1						
A44L-0001-0174#700AL300	Transformer									1	1
A44L-0001-0187#450A	Sensor									2	
A44L-0001-0187#700A	Sensor										2
A50L-0001-0329	6MBP80RTA060-01	1	1								
A50L-0001-0340	2MBI400TB060-01							3	3		
A50L-0001-0341											6
A50L-0001-0374	IPM			1	1						
A50L-0001-0402	2MBI200TA-060A					3					
A50L-0001-0404	2MBI300TA-060A						3			6	
A57L-0001-0112#85B	Thermostat					1	1	1		2	
A57L-0001-0112#90B	Thermostat								1		2
A60L-0001-0183#350A	FUSE									1	
A60L-0001-0183#450A	FUSE										1

Spare parts spec	Name	6142-Hxxx#H580									
		H002	H006	H011	H015	H022	H026	H030	H037	H045	H055
A06B-6141-H580	9D80	1	1	1	1	1	1	1	1	1	1
A06B-6110-C601	FAN UNIT		1								
A06B-6110-C603	FAN UNIT			1	1						
A06B-6110-C604	FAN UNIT					1	1	1	1	2	2
A06B-6110-C605	FAN UNIT	1	1								
A06B-6110-C606	FAN UNIT			1	1						
A06B-6110-C607	FAN UNIT					1	1	1	1	2	2
A16B-2203-0656	Power Board	1									
A16B-2203-0657	Power Board		1								
A16B-2203-0658	Power Board			1							
A16B-2203-0659	Power Board				1						
A16B-2203-0870	Power Board					1					
A16B-2203-0871	Power Board						1				
A16B-2203-0872	Power Board							1			
A16B-2203-0873	Power Board								1		
A20B-1007-0900		1	1								
A20B-1007-0910				1	1						
A20B-1008-0092	Power Board									1	
A20B-1008-0093	Power Board										1
A20B-2003-0760										6	
A20B-2003-0761											6
A20B-2003-0770										1	1
A20B-2101-0351	Control Board	1	1	1	1	1	1	1	1	1	1
A40L-0001-0491#A	Resistor									1	1
A40L-0001-0491#B	Resistor									5	5
A42L-0001-0287#225K	CAPACITOR	1	1	1							
A42L-0001-0438#A	CAPACITOR							1			
A42L-0001-0438#B	CAPACITOR								1		
A42L-0001-0451	CAPACITOR					1					
A42L-0001-0452	CAPACITOR						1				
A42L-0001-0454	CAPACITOR									1	1
A42L-0001-0455#225K	CAPACITOR				1						
A44L-0001-0174#700AL300	Transformer									1	1
A44L-0001-0187#450A	Sensor									2	
A44L-0001-0187#700A	Sensor										2
A50L-0001-0329	6MBP80RTA060-01	1	1								
A50L-0001-0340	2MBI400TB060-01							3	3		
A50L-0001-0341											6
A50L-0001-0374	IPM			1	1						
A50L-0001-0402	2MBI200TA-060A					3					
A50L-0001-0404	2MBI300TA-060A						3			6	
A57L-0001-0112#85B	Thermostat					1	1	1		2	
A57L-0001-0112#90B	Thermostat								1		2
A60L-0001-0183#350A	FUSE									1	
A60L-0001-0183#450A	FUSE										1

4.3.5. iSP Type B for Velocity Tandem control

iSP-TypeB	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-2.2	A06B-6144-H002#H590			
iSP-5.5	A06B-6144-H006#H590			
iSP-11	A06B-6144-H011#H590			
iSP-15	A06B-6144-H015#H590			
iSP-22	A06B-6144-H022#H590			
iSP-26	A06B-6144-H026#H590			
iSP-30	A06B-6144-H030#H590			
iSP-37	A06B-6144-H037#H590			
iSP-45	A06B-6144-H045#H590			
iSP-55	A06B-6144-H055#H590			

4.3.6. SPMHVi (Type-A)

SPM-Type1HV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SPM-5.5HVi	A06B-6121-H006#H550	A20B-2100-0800	A16B-2203-0820	A50L-0001-0348
SPM-11HVi	A06B-6121-H011#H550		A16B-2203-0821	
SPM-15HVi	A06B-6121-H015#H550		A16B-2203-0822	A50L-0001-0349
SPM-30HVi	A06B-6121-H030#H550		A16B-2203-0627	A50L-0001-0363
SPM-45HVi	A06B-6121-H045#H550		A16B-2203-0628	A50L-0001-0354
SPM-75HVi	A06B-6121-H075#H550		A20B-1008-0096	
SPM-100HVi	A06B-6121-H100#H550		A20B-1008-0097	A50L-0001-0335

4.3.7. iSPHV (Type-A)

iSPHV Type-A	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-5.5HV	A06B-6151-H006#H580	A20B-2101-0350	A16B-2203-0826	A50L-0001-0412
iSP-11HV	A06B-6151-H011#H580		A16B-2203-0827	
iSP-15HV	A06B-6151-H015#H580		A16B-2203-0828	A50L-0001-0375
iSP-30HV	A06B-6151-H030#H580		A16B-2203-0877	A50L-0001-0417
iSP-45HV	A06B-6151-H045#H580		A16B-2203-0878	A50L-0001-0419
iSP-75HV	A06B-6151-H075#H580		A20B-1008-0094	
iSP-100HV	A06B-6151-H100#H580		A20B-1008-0095	A50L-0001-0421

		6151-Hxxx#H580						
Spare parts spec	Name	H006	H011	H015	H030	H045	H075	H100
A06B-6141-H580	9D80	1	1	1	1	1	1	1
A06B-6110-C602	FAN UNIT	1						
A06B-6110-C603	FAN UNIT		1	1				
A06B-6110-C604	FAN UNIT				1	1	2	2
A06B-6110-C605	FAN UNIT	1						
A06B-6110-C606	FAN UNIT		1	1				
A06B-6110-C607	FAN UNIT				1	1	2	2
A16B-2203-0826	Power Board	1						
A16B-2203-0827	Power Board		1					
A16B-2203-0828	Power Board			1				
A16B-2203-0877	Power Board				1			
A16B-2203-0878	Power Board					1		
A20B-1007-0900		1						
A20B-1007-0910			1	1				
A20B-1008-0094	Power Board						1	
A20B-1008-0095	Power Board							1
A20B-2003-0761								6
A20B-2003-0762							6	
A20B-2003-0770							1	1
A20B-2101-0350	Control Board	1	1	1	1	1	1	1
A40L-0001-0437#20M753J	Resistor						2	2
A40L-0001-0491#A	Resistor						1	1
A40L-0001-0491#B	Resistor						5	5
A42L-0001-0315#334K	HRCMF3B 334K-20B	1	1	1				
A42L-0001-0443	CAPACITOR						2	2
A44L-0001-0174#700AL300	Transformer						1	1
A44L-0001-0187#400A	Sensor						2	
A44L-0001-0187#450A	Sensor							2
A50L-0001-0375	IPM			1				
A50L-0001-0412	IPM	1	1					
A50L-0001-0417	2MBI150 U2F-120				3			
A50L-0001-0419	2MBI200 UF-120					3	6	
A50L-0001-0421	IGBT							6
A57L-0001-0112#100B	Thermostat							2
A57L-0001-0112#85B	Thermostat				1			
A57L-0001-0112#90B	Thermostat					1	2	
A60L-0001-0362#200U	FUSE							2
A60L-0001-0362#300U	FUSE						1	

4.3.8. SPMHVi (Type-B)

SPM-Type2HV	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SPM-5.5HVi	A06B-6122-H006#H550	A20B-2100-0801	A16B-2203-0820	A50L-0001-0348
SPM-11HVi	A06B-6122-H011#H550		A16B-2203-0821	
SPM-15HVi	A06B-6122-H015#H550		A16B-2203-0822	A50L-0001-0349
SPM-30HVi	A06B-6122-H030#H550		A16B-2203-0627	A50L-0001-0363
SPM-45HVi	A06B-6122-H045#H550		A16B-2203-0628	A50L-0001-0354
SPM-75HVi	A06B-6122-H075#H550		A20B-1008-0096	
SPM-100HVi	A06B-6122-H100#H550		A20B-1008-0097	A50L-0001-0355

4.3.9. iSPHV Type-B

iSPHV Type-B	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-5.5HV	A06B-6152-H006#H580	A20B-2101-0351	A16B-2203-0826	A50L-0001-0412
iSP-11HV	A06B-6152-H011#H580		A16B-2203-0827	
iSP-15HV	A06B-6152-H015#H580		A16B-2203-0828	A50L-0001-0375
iSP-30HV	A06B-6152-H030#H580		A16B-2203-0877	A50L-0001-0417
iSP-45HV	A06B-6152-H045#H580		A16B-2203-0878	A50L-0001-0419
iSP-75HV	A06B-6152-H075#H580		A20B-1008-0094	
iSP-100HV	A06B-6152-H100#H580		A20B-1008-0095	A50L-0001-0421

		6152-Hxxx#H580						
Spare parts spec	Name	H006	H011	H015	H030	H045	H075	H100
A06B-6141-H580	9D80	1	1	1	1	1	1	1
A06B-6110-C602	FAN UNIT	1						
A06B-6110-C603	FAN UNIT		1	1				
A06B-6110-C604	FAN UNIT				1	1	2	2
A06B-6110-C605	FAN UNIT	1						
A06B-6110-C606	FAN UNIT		1	1				
A06B-6110-C607	FAN UNIT				1	1	2	2
A16B-2203-0826	Power Board	1						
A16B-2203-0827	Power Board		1					
A16B-2203-0828	Power Board			1				
A16B-2203-0877	Power Board				1			
A16B-2203-0878	Power Board					1		
A20B-1007-0900		1						
A20B-1007-0910			1	1				
A20B-1008-0094	Power Board						1	
A20B-1008-0095	Power Board							1
A20B-2003-0761								6
A20B-2003-0762							6	
A20B-2003-0770							1	1
A20B-2101-0351	Control Board	1	1	1	1	1	1	2
A40L-0001-0437#20M753J	Resistor						2	2
A40L-0001-0491#A	Resistor						1	1
A40L-0001-0491#B	Resistor						5	5
A42L-0001-0315#334K	HRCMF3B33 4K-20B	1	1	1				
A42L-0001-0443	CAPACITOR						2	2
A44L-0001-0174#700AL300	Transformer						1	1
A44L-0001-0187#400A	Sensor						2	
A44L-0001-0187#450A	Sensor							2
A50L-0001-0375	IPM			1				
A50L-0001-0412	IPM	1	1					
A50L-0001-0417	2MBI150U2 F-120				3			
A50L-0001-0419	2MBI200UF-120					3	6	
A50L-0001-0421	IGBT							6
A57L-0001-0112#100B	Thermostat							2
A57L-0001-0112#85B	Thermostat				1			
A57L-0001-0112#90B	Thermostat					1	2	
A60L-0001-0362#200U	FUSE							2
A60L-0001-0362#300U	FUSE						1	

4.3.10. iSP Type-B for Velocity Tandem Control

iSPHV Type-B	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-5.5HV	A06B-6154-H006#H590			
iSP-11HV	A06B-6154-H011#H590			
iSP-15HV	A06B-6154-H015#H590			
iSP-30HV	A06B-6154-H030#H590			
iSP-45HV	A06B-6154-H045#H590			
iSP-75HV	A06B-6154-H075#H590			
iSP-100HV	A06B-6154-H100#H590			

4.3.11. iSP (200V) for 30i/31i/32i-B

iSP	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-2.2	A06B-6220-H002#H600			
iSP-5.5	A06B-6220-H006#H600			
iSP-11	A06B-6220-H011#H600			
iSP-15	A06B-6220-H015#H600			
iSP-22	A06B-6220-H022#H600			
iSP-26	A06B-6220-H026#H600			
iSP-30	A06B-6220-H030#H600			
iSP-37	A06B-6220-H037#H600			

4.3.12. iSP (400V) for 30i/31i/32i-B

iSP	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSP-5.5HV	A06B-6270-H006#H600			
iSP-11HV	A06B-6270-H011#H600			
iSP-15HV	A06B-6270-H015#H600			
iSP-22HV	A06B-6270-H022#H600			
iSP-30HV	A06B-6270-H030#H600			
iSP-45HV	A06B-6270-H045#H600			

4.3.13. SPMCi

SPMC	Unit Specification	Control PCB	Power PCB	IGBT/IPM
SPMC-2.2i	A06B-6116-H002#H560	A20B-2100-0802	A16B-2203-0650	A50L-0001-0327
SPMC-5.5i	A06B-6116-H006#H560		A16B-2203-0651	
SPMC-11i	A06B-6116-H011#H560		A16B-2203-0652	A50L-0001-0331
SPMC-15i	A06B-6116-H015#H560		A16B-2203-0653	A50L-0001-0332
SPMC-22i	A06B-6116-H022#H560		A16B-2203-0620	A50L-0001-0337

4.3.14. Servo/Spindle Multi axis for 30i/31i/32i-B

iSVP	Unit Specification	Control PCB	Power PCB	IGBT/IPM
iSVP 20/20/20-5.5	A06B-6230-H001#H600			

4.4. FAN Motor Specification

4.4.1. PSMi

Unit Specification	Internal Fan Motor	Outside Fan Specification
A06B-6110-H006	A90L-0001-0441#39	--
A06B-6110-H011		A90L-0001-0508
A06B-6110-H015		
A06B-6110-H026		A90L-0001-0509
A06B-6110-H030		
A06B-6110-H037		

4.4.2. SVMi

Unit Specification	Internal Fan Motor	Outside Fan Specification
A06B-6114-H103	A90L-0001-0510	--
A06B-6114-H104		--
A06B-6114-H105		--
A06B-6114-H106		A90L-0001-0507#B
A06B-6114-H201		--
A06B-6114-H205		--
A06B-6114-H206		--
A06B-6114-H207		A90L-0001-0507#A
A06B-6114-H208		A90L-0001-0507#A
A06B-6114-H209		A90L-0001-0507#A
A06B-6114-H210		A90L-0001-0508
A06B-6114-H211		A90L-0001-0508
A06B-6114-H301		--
A06B-6114-H303		A90L-0001-0385#T x 2
A06B-6114-H304		--

Refer to the SR2005-064 for Fan Motor update

4.4.3. SPMi

Unit Specification	Internal Fan Motor	Outside Fan Specification
A06B-6111-H002 A06B-6112-H002	A90L-0001-0510	--
A06B-6111-H006 A06B-6112-H006		A90L-0001-0507#A
A06B-6111-H011 A06B-6112-H011		A90L-0001-0508
A06B-6111-H015 A06B-6112-H015		
A06B-6111-H022 A06B-6112-H022	A90L-0001-0511	A90L-0001-0509
A06B-6111-H026 A06B-6112-H026		
A06B-6111-H030 A06B-6112-H030		

4.4.4. iPS for 30i/31i/32i-B

	Internal cooling Fan		radiator Cooling Fan	
iPS	Fanu Unit	Fan Motor	Fan Unit	Fan Motor
iPS-7.5	A06B-6200-C607	A90L-0001-0580#B	A06B-6200-C601	A90L-0001-0575#A
iPS-11	A06B-6200-C609	A90L-0001-0580#B	A06B-6200-C603	A90L-0001-0576
iPS-15				
iPS-26	A06B-6200-C610	A90L-0001-0581	A06B-6200-C604	A90L-0001-0577
iPS-30				
iPS-37				
iPS-11HV	A06B-6200-C609	A90L-0001-0580#B	A06B-6200-C603	A90L-0001-0576
iPS-18HV				
iPS-30HV	A06B-6200-C610	A90L-0001-0581	A06B-6200-C604	A90L-0001-0577
iPS-45HV				
iPS-60HV				

4.4.5. iSP for 30i/31i/32i-B

	Internal cooling Fan		radiator Cooling Fan	
iSP	Fanu Unit	Fan Motor	Fan Unit	Fan Motor
iSP-2.2	A06B-6200-C606	A90L-0001-0580#A	-----	-----
iSP-5.5	A06B-6200-C607	A90L-0001-0580#B	A06B-6200-C601	A90L-0001-0575#A
iSP-11	A06B-6200-C609	A90L-0001-0580#B	A06B-6200-C603	A90L-0001-0576
iSP-15				
iSP-22	A06B-6200-C610	A90L-0001-0581	A06B-6200-C604	A90L-0001-0577
iSP-26				
iSP-30				
iSP-37	A06B-6200-C610	A90L-0001-0581	A06B-6200-C605	A90L-0001-0578
iSP-11HV	A06B-6200-C609	A90L-0001-0580#A	A06B-6200-C603	A90L-0001-0576
iSP-15HV				
iSP-22HV	A06B-6200-C610	A90L-0001-0581	A06B-6200-C604	A90L-0001-0577
iSP-30HV				
iSP-45HV	A06B-6200-C610	A90L-0001-0581	A06B-6200-C605	A90L-0001-0578

4.4.6. iSV1 for 30i/31i/32i-B

	Internal cooling Fan		radiator Cooling Fan	
iSV1	Fanu Unit	Fan Motor	Fan Unit	Fan Motor
iSV-4	A06B-6200-C606	A90L-0001-0580#A	-----	-----
iSV-20				
iSV-40				
iSV-80				
iSV-160	A06B-6200-C608	A90L-0001-0580#C	A06B-6200-C602	A90L-0001-0575#B
iSV-360	A06B-6200-C610	A90L-0001-0581	A06B-6200-C604	A90L-0001-0577
iSV-160L	A06B-6200-C609	A90L-0001-0580#B	A06B-6200-C603	A90L-0001-0576
iSV-10HV	A06B-6200-C606	A90L-0001-05803A	-----	-----
iSV-20HV				
iSV-40HV				
iSV-80HV	A06B-6200-C608	A90L-0001-0580#C	A06B-6200-C602	A90L-0001-0575#B
iSV-180HV	A06B-6200-C610	A90L-0001-0581	A06B-6200-C605	A90L-0001-0577

4.4.7. iSV2 for 30i/31i/32i-B

	Internal cooling Fan		radiator Cooling Fan	
iSV2	Fanu Unit	Fan Motor	Fan Unit	Fan Motor
iSV-4/4	A06B-6200-C606	A90L-0001-0580#A	_____	-----
iSV-4/20				
iSV-20/20				
iSV-20/40				
iSV-40/40	A06B-6200-C607	A90L-0001-0580#B	A06B-6200-C601	A90L-0001-0575#A
iSV-40/80				
iSV-80/80				
iSV-80/160	A06B-6200-C609	A90L-0001-0580#B	A06B-6200-C603	A90L-0001-0576
iSV-160/160				
iSV-10/10HV	A06B-6200-C606	A90L-0001-0580#A	------	-----
iSV-10/20HV				
iSV-20/20HV	A06B-6200-C607	A90L-0001-0580#B	A06B-6200-C601	A90L-0001-0575#A
iSV-20/40HV				
iSV-40/40HV				
iSV-40/80HV	A06B-6200-C609	A90L-0001-0580#B	A06B-6200-C603	A90L-0001-0576
iSV-80/80HV				

4.4.8. iSV3 for 30i/31i/32i-B

	Internal cooling Fan		radiator Cooling Fan	
iSV3	Fanu Unit	Fan Motor	Fan Unit	Fan Motor
iSV-4/4/4	A06B-6200-C606	A90L-0001-0580#A	-----	-----
iSV-20/20/20				
iSV-20/20/40				
iSV-40/40/40	A06B-6200-C608	A90L-0001-0580#C	A06B-6200-C602	A90L-0001-0575#B
iSV-10/10/10HV	A06B-6200-C606	A90L-0001-05803A	------	------
iSV-10/10/20HV				
iSV-20/20/20HV	A06B-6200-C608	A90L-0001-0580#C	A06B-6200-C602	A90L-0001-0575#B

4.5. Maintenance Parts List based on A-63867-1671/01

4.5.1. Power Supply Unit

Parts Name	Designation	6115-H001	6115-H003	6115-H006
FUSE 5A	A60L-0001-0359	1	1	1
IGBT	A50L-0001-0251#A	1	1	
IGBT	A50L-0001-0279			1
Diode	A50L-2001-0291	1	1	
Diode	A50L-2001-0342			1
FAN MOTOR (IN)	A90L-0001-0510		1	1
Face Plate (PSMR)	A230-0602-T105#F2	1	1	1
Case (60 90)	A230-0602-X002#A	1	1	1
Case (60)	A230-0602-X001#A	1	1	1
DC Link Cover (60)	A230-0602-T104	1	1	1
Input Cover (60)	A230-0602-T106#F		1	1
Input Cover (60)	A230-0602-T106#A	1		
FAN Cover (60)	A230-0602-X003	1	1	1
Packing (60)	A300-0009-X413		1	1
Power PCB	A16B-2203-0830	1		
Power PCB	A16B-2203-0781		1	
Power PCB	A16B-2203-0782			1

Parts Name	Designation	6110-H006	6110-H011	6110-H015	6110-H026	6110-H030	6110-H037	6110-H055
FUSE 2A	A60L-0001-0175#2.0A	1	1	1	1	1	1	1
FUSE 5A	A60L-0001-0359	1	1	1	1	1	1	1
IPM	A50L-0001-0335	1	1					
IPM	A50L-0001-0336			1				
IGBT	A50L-0001-0342				3			
IGBT	A50L-0001-0343					3		
IGBT	A50L-0001-0344						3	6
Thyristor	A50L-5000-0051#100A	1	1					
Thyristor	A50L-5000-0062			1				
Thyristor	A50L-5000-0063				1	1		
Thyristor	A50L-5000-0060						1	
Diode	A50L-2001-0327						1	
Thyristor	A50L-5000-0071							1
FAN MOTOR (PCB)	A90L-0001-0441#39	1	1	1	1	1	1	1
FAN MOTOR (IN)	A90L-0001-0511							2
FAN MOTOR (Fin)	A90L-0001-0508		1	1				
FAN MOTOR (Fin)	A90L-0001-0509				1	1	1	2
Face Plate (PSM)	A230-0602-T105#A	1	1	1	1	1	1	1
Case (60 90)	A230-0602-X002#A	1	1	1				
Case (150)	A230-0604-X002				1	1	1	
Case (60)	A230-0602-X001#A	1						
Case (90)	A230-0603-X001#A		1	1				
Case (150)	A230-0604-X001				1	1	1	
DC Link Cover (60)	A230-0602-T104	1						
DC Link Cover (90)	A230-0603-T104		1	1				
DC Link Cover (150)	A230-0604-T104				1	1	1	2
Input Cover (60)	A230-0602-T106#A	1						
Input Cover (90)	A230-0603-T106#A		1	1				
Input Cover (150)	A230-0604-T106#A				1	1	1	
FAN Cover (60)	A230-0602-X003	1						
FAN Cover (90)	A230-0603-X003		1	1				
FAN Cover (150)	A230-0604-X003				1	1	1	2
Packing (60)	A300-0009-X413	1						
Packing (90)	A300-0009-X352		1	1				
Packing (150)	A300-0009-X429				1	1	1	
Packing (300)	A300-0009-X441							1
Control PCB	A16B-2101--0394	1	1	1	1	1	1	1
Power PCB	A16B-2203-0640	1						
Power PCB	A16B-2203-0641		1					
Power PCB	A16B-2203-0642			1				
Power PCB	A16B-2203-0630				1			
Power PCB	A16B-2203-0631					1		
Power PCB	A16B-2203-0632						1	
Power PCB	A20B-1008-0081							1
Driver PCB	A20B-2003-0420							1
Gate PCB	A20B-2003-0430							6

Parts Name	Designation	6120-H011	6120-H018	6120-H030	6120-H045	6120-H075	6120-H100
FUSE 2A	A60L-0001-0175#2.0A	1	1	1	1	1	1
FUSE 5A	A60L-0001-0359	1	1	1	1	1	1
Capacitor	A42L-0001-0406			6			
Capacitor	A42L-0001-0431				8		
Capacitor	A42L-0001-0416					2	2
IPM	A50L-0001-0350	1					
IPM	A50L-0001-0351		1				
IGBT	A50L-0001-0357			3			
IGBT	A50L-0001-0358				3	6	6
Thyristor	A50L-5000-0069	1					
Thyristor	A50L-5000-0070		1				
Thyristor	A50L-5000-0052			1	1		
Thyristor	A50L-5000-0072					1	1
FAN MOTOR (PCB)	A90L-0001-0441#39	1	1	1	1	1	1
FAN MOTOR (IN)	A90L-0001-0511			1	1	2	2
FAN MOTOR (Fin)	A90L-0001-0508	1	1				
FAN MOTOR (Fin)	A90L-0001-0509			1	1	2	2
Face Plate (PSM)	A230-0602-T105#A	1	1	1	1	1	1
Case (60 90)	A230-0602-X002#A	1	1				
Case (150)	A230-0604-X002			1	1		
Case (90)	A230-0603-X001#A	1	1				
Case (150)	A230-0604-X001			1	1		
DC Link Cover (90)	A230-0603-T104	1	1				
DC Link Cover (150)	A230-0604-T104			1	1	2	2
Input Cover (60)	A230-0602-T106#A						
Input Cover (90)	A230-0603-T106#A	1	1				
Input Cover (150)	A230-0604-T106#A			1	1		
FAN Cover (90)	A230-0603-X003	1	1				
FAN Cover (150)	A230-0604-X003			1	1	2	2
Packing (90)	A300-0009-X352	1	1				
Packing (150)	A300-0009-X429			1	1		
Packing (300)	A300-0009-X441					1	1
Control PCB	A16B-2101-0392	1	1	1	1	1	1
Power PCB	A16B-2203-0647	1					
Power PCB	A16B-2203-0648		1				
Power PCB	A16B-2203-0636			1			
Power PCB	A16B-2203-0637				1		
Power PCB	A20B-1008-0086					1	
Power PCB	A20B-1008-0087						1
Driver PCB	A20B-2003-0420					1	1
Gate PCB	A20B-2003-0430					6	6

4.5.2. Servo Amplifier Module

4.5.2.1. SVM1 (200VAC Input Type)

Parts Name	Designation	6114-H103	6114-H104	6114-H105	6114-H106	6114-H107	6114-H109
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1
FUSE	A60L-0001-0183/50AS	1					
FUSE	A60L-0001-0183/75AS		1	1			
FUSE	A60L-0001-0183/100AS				1	1	
FUSE	A60L-0001-0183/300A						1
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1	1	
FAN MOTOR(INT)	A90L-0001-0511						1
FAN MOTOR(EXT)	A90L-0001-0507/B				1		
FAN MOTOR(EXT)	A90L-0001-0508					1	
FAN MOTOR(EXT)	A90L-0001-0509						1
IPM	A50L-0001-0326	1					
IPM	A50L-0001-0327		1				
IPM	A50L-0001-0329			1			
IPM	A50L-0001-0332				1	1	
IGBT	A50L-0001-0340						3
CAPACITOR	A42L-0001-0394	1	4	6	8		
CAPACITOR	A42L-0001-0395					6	
CAPACITOR	A42L-0001-0400						1
PLASTIC CASE	A230-0602-X001/C	1	1	1	1		
PLASTIC CASE	A230-0603-X001/C					1	
PLASTIC CASE	A230-0602-X002/C	1	1	1	1	1	
PLASTIC CASE	A230-0604-X001/A						1
PLASTIC CASE	A230-0604-X002						1
DC LINK COVER	A230-0602-T104	1	1	1	1		
DC LINK COVER	A230-0603-T104					1	
DC LINK COVER	A230-0604-T104						1
FACE PLATE		1	1	1	1	1	
FACE PLATE	A230-0602-T105/G						1
TERMINAL COVER	A230-0602-T106/B	1	1	1	1		
TERMINAL COVER	A230-0603-T106/B					1	
TERMINAL COVER	A230-0604-T106/B						1
PACKING	A300-0009-X413	1	1	1	1		
PACKING	A300-0009-X352					1	
PACKING	A300-0009-X429						1
POWER PCB	A16B-2203-0691	1					
POWER PCB	A16B-2203-0660		1				
POWER PCB	A16B-2203-0661			1			
POWER PCB	A16B-2203-0662				1		
POWER PCB	A16B-2203-0663					1	
POWER PCB	A16B-2203-0625						1
CONTROL PCB	A20B-2100-0740	1	1	1	1	1	
CONTROL PCB	A20B-2100-0830						1

4.5.2.2. SVM2 (200VAC Input Type)

Parts Name	Designation	6114-H201	6114-H202	6114-H205	6114-H206	6114-H207	6114-H208	6114-H209	6114-H210	6114-H211
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1	1	1
FUSE	A60L-0001-0183/50AS	1	1	1						
FUSE	A60L-0001-0183/75AS				1	1				
FUSE	A60L-0001-0183/100AS						1	1	1	1
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0507/A					1	1	1		
FAN MOTOR(EXT)	A90L-0001-0508								1	1
IPM	A50L-0001-0326	2	2	2						
IPM	A50L-0001-0327				2	2	1			
IPM	A50L-0001-0329						1	2	1	
IPM	A50L-0001-0332								1	2
CAPACITOR	A42L-0001-0394	2	2	2	4	4	4	4		
CAPACITOR	A42L-0001-0395								4	4
PLASTIC CASE	A230-0602-X001/D	1	1	1	1	1	1	1		
PLASTIC CASE	A230-0603-X001/D								1	1
PLASTIC CASE	A230-0602-X002/C	1	1	1	1	1	1	1	1	1
DC LINK COVER	A230-0602-T104	1	1	1	1	1	1	1		
DC LINK COVER	A230-0603-T104								1	1
FACE PLATE	A230-0602-T105/D	1	1	1	1	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/D	1	1	1	1	1	1	1		
TERMINAL COVER	A230-0603-T106/D								1	1
PACKING	A300-0009-X413	1	1	1	1	1	1	1		
PACKING	A300-0009-X352								1	1
POWER PCB	A16B-2203-0692	1								
POWER PCB	A16B-2203-0693		1							
POWER PCB	A16B-2203-0695			1						
POWER PCB	A16B-2203-0670				1					
POWER PCB	A16B-2203-0671					1				
POWER PCB	A16B-2203-0672						1			
POWER PCB	A16B-2203-0673							1		
POWER PCB	A16B-2203-0674								1	
POWER PCB	A16B-2203-0675									1
CONTROL PCB	A20B-2100-0741	1	1	1	1	1	1	1	1	1

4.5.2.3. SVM3 (200VAC Input Type)

Parts Name	Designation	A06B-6114-H301	A06B-6114-H302	A06B-6114-H303	A06B-6114-H304
FUSE	A60L-0001-0290/LM32C	1	1	1	1
FUSE	A60L-0001-0183/50AS	1	1	1	
FUSE	A60L-0001-0183/75AS				1
FAN MOTOR(INT)	A90L-0001-0510	1		1	1
FAN MOTOR	A90L-0001-0385/T			1	
IPM	A50L-0001-0326	3	3	3	2
IPM	A50L-0001-0327				1
CAPACITOR	A42L-0001-0394	3	2	3	3
PLASTIC CASE	A230-0602-X001/E	1	1	1	1
PLASTIC CASE	A230-0602-X002/C	1	1	1	1
DC LINK COVER	A230-0602-T104	1	1	1	1
FACE PLATE	A230-0602-T105/E	1	1	1	1
TERMINAL COVER	A230-0602-T106/E	1	1	1	1
PACKING	A300-0009-X413				1
POWER PCB	A16B-2203-0696	1			
POWER PCB	A16B-2203-0697		1		
POWER PCB	A16B-2203-0698			1	
POWER PCB	A16B-2203-0680				1
CONTROL PCB	A20B-2100-0742	1	1	1	1

4.5.2.4. SVM1 (400VAC Input Type)

Parts Name	Designation	6124-H102	6124-H103	6124-H104	6124-H105	6124-H106	6124-H109
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1
FUSE	A60L-0001-0362/50U	1	1	1	1		
FUSE	A60L-0001-0362/200U					1	
FUSE	A60L-0001-0362/300U						1
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1		
FAN MOTOR(INT)	A90L-0001-0511					1	2
FAN MOTOR(EXT)	A90L-0001-0507/B				1		
FAN MOTOR(EXT)	A90L-0001-0509					1	2
IPM	A50L-0001-0347	1	1				
IPM	A50L-0001-0348			1			
IPM	A50L-0001-0349				1		
IGBT	A50L-0001-0354					3	
IGBT	A50L-0001-0355						6
CAPACITOR	A42L-0001-0403	2	2	4	6		
CAPACITOR	A42L-0001-0431					8	
CAPACITOR	A42L-0001-0416						1
PLASTIC CASE	A230-0602-X001/D	1	1	1	1		
PLASTIC CASE	A230-0602-X002/C	1	1	1	1		
PLASTIC CASE	A230-0604-X001/A					1	
PLASTIC CASE	A230-0604-X002					1	
DC LINK COVER	A230-0602-T104	1	1	1	1		
DC LINK COVER	A230-0604-T104					1	2
FACE PLATE	A230-0602-T105/C	1	1	1	1		
FACE PLATE	A230-0602-T105/G					1	1
TERMINAL COVER	A230-0602-T106/B	1	1	1	1		
TERMINAL COVER	A230-0604-T106/B					1	
PACKING	A300-0009-X413	1	1	1	1		
PACKING	A300-0009-X429					1	
PACKING	A300-0009-X441						1
POWER PCB	A16B-2203-0803	1					
POWER PCB	A16B-2203-0800		1				
POWER PCB	A16B-2203-0801			1			
POWER PCB	A16B-2203-0802				1		
POWER PCB	A16B-2203-0629					1	
POWER PCB	A20B-1008-0099						1
PCB(DRIVER)	A20B-2003-0420						1
PCB(GATE)	A20B-2003-0431						6
CONTROL PCB	A20B-2100-0740	1	1	1	1		
CONTROL PCB	A20B-2100-0830						1
CONTROL PCB	A20B-2100-0831					1	

4.5.2.5. SVM2 (400VAC Input Type)

Parts Name	Designation	6124-H202	6124-H205	6124-H206	6124-H207	6124-H208	6124-H209
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1
FUSE	A60L-0001-0362/50U	1	1	1	1	1	1
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0508			1	1	1	1
IPM	A50L-0001-0347	2	2	1			
IPM	A50L-0001-0348			1	2	1	
IPM	A50L-0001-0349					1	2
CAPACITOR	A42L-0001-0403	2	2				
CAPACITOR	A42L-0001-0405			8	8	10	10
PLASTIC CASE	A230-0602-X001/D	1	1				
PLASTIC CASE	A230-0603-X001/D			1	1	1	1
PLASTIC CASE	A230-0602-X002/C	1	1	1	1	1	1
DC LINK COVER	A230-0602-T104	1	1				
DC LINK COVER	A230-0603-T104			1	1	1	1
FACE PLATE	A230-0602-T105/D	1	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/D	1	1				
TERMINAL COVER	A230-0603-T106/D			1	1	1	1
PACKING	A300-0009-X413	1	1				
PACKING	A300-0009-X352			1	1	1	1
POWER PCB	A16B-2203-0815	1					
POWER PCB	A16B-2203-0810		1				
POWER PCB	A16B-2203-0811			1			
POWER PCB	A16B-2203-0812				1		
POWER PCB	A16B-2203-0813					1	
POWER PCB	A16B-2203-0814						1
CONTROL PCB	A20B-2100-0741	1	1	1	1	1	1

4.5.3. Spindle Amplifier Module

4.5.3.1. SPM (TYPE A) (200VAC Input Type)

Parts Name	Designation	6111-H002	6111-H006	6111-H011	6111-H015	6111-H022	6111-H026	6111-H030	6111-H037	6111-H045	6111-H055
FUSE	A60L-0001-0183/50AS	1	1								
FUSE	A60L-0001-0183/100AS			1							
FUSE	A60L-0001-0183/150A				1						
FUSE	A60L-0001-0183/200A					1					
FUSE	A60L-0001-0183/300A						1	1	1		
FUSE	A60L-0001-0183/350A									1	
FUSE	A60L-0001-0183/450A										1
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0507/A		1								
FAN MOTOR(EXT)	A90L-0001-0508			1	1						
FAN MOTOR(EXT)	A90L-0001-0509					1	1	1	1	2	2
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1						
FAN MOTOR(INT)	A90L-0001-0511					1	1	1	1	2	2
IPM	A50L-0001-0327	1	1								
IPM	A50L-0001-0331			1							
IPM	A50L-0001-0332				1						
IGBT	A50L-0001-0337					3					
IGBT	A50L-0001-0338						3				
IGBT	A50L-0001-0340							3	3	6	
IGBT	A50L-0001-0341										6
CAPACITOR	A42L-0001-0396	3	5								
CAPACITOR	A42L-0001-0395			4	5						
CAPACITOR	A42L-0001-0398					1					
CAPACITOR	A42L-0001-0399						1				
CAPACITOR	A42L-0001-0400							1			
CAPACITOR	A42L-0001-0412								1		
CAPACITOR	A42L-0001-0417									1	1
PLASTIC CASE	A230-0602-X001/A	1	1								
PLASTIC CASE	A230-0602-X002/A	1	1	1	1						
PLASTIC CASE	A230-0603-X001/A			1	1						
PLASTIC CASE	A230-0604-X001					1	1	1	1		
PLASTIC CASE	A230-0604-X002					1	1	1	1		
DC LINK COVER	A230-0602-T104	1	1								
DC LINK COVER	A230-0603-T104			1	1						
DC LINK COVER	A230-0604-T104					1	1	1	1	2	2
FACE PLATE	A230-0602-T105/B	1	1	1	1	1	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/B	1	1								
TERMINAL COVER	A230-0603-T106/B			1	1						
TERMINAL COVER	A230-0604-T106/B					1	1	1	1		
PACKING	A300-0009-X413	1	1								
PACKING	A300-0009-X352			1	1						
PACKING	A300-0009-X429					1	1	1	1		
PACKING	A300-0009-X441									1	1

Parts Name	Designation	6111-H002	6111-H006	6111-H011	6111-H015	6111-H022	6111-H026	6111-H030	6111-H037	6111-H045	6111-H055
PCB(CONTROL)	A20B-2100-0800	1	1	1	1	1	1	1	1	1	1
PCB(DRIVER)	A20B-2003-0420									1	1
PCB(POWER)	A16B-2203-0650	1									
PCB(POWER)	A16B-2203-0651		1								
PCB(POWER)	A16B-2203-0652			1							
PCB(POWER)	A16B-2203-0653				1						
PCB(POWER)	A16B-2203-0620					1					
PCB(POWER)	A16B-2203-0621						1				
PCB(POWER)	A16B-2203-0622							1			
PCB(POWER)	A16B-2203-0623								1		
PCB(POWER)	A20B-1008-0090									1	
PCB(POWER)	A20B-1008-0091										1
PCB(GATE)	A20B-2003-0430									6	
PCB(GATE)	A20B-2003-0431										6

4.5.3.2. SPM (TYPE B) (200VAC Input Type)

Parts Name	Designation	6112 - H002	6112 - H006	6112 - H011	6112 - H015	6112 - H022	6112 - H026	6112 - H030	6112 - H037	6112 - H045	6112 - H055
FUSE	A60L-0001-0183/50AS	1	1								
FUSE	A60L-0001-0183/100AS			1							
FUSE	A60L-0001-0183/150A				1						
FUSE	A60L-0001-0183/200A					1					
FUSE	A60L-0001-0183/300A						1	1	1		
FUSE	A60L-0001-0183/350A									1	
FUSE	A60L-0001-0183/450A										1
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0507/A		1								
FAN MOTOR(EXT)	A90L-0001-0508			1	1						
FAN MOTOR(EXT)	A90L-0001-0509					1	1	1	1	2	2
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1						
FAN MOTOR(INT)	A90L-0001-0511					1	1	1	1	2	2
IPM	A50L-0001-0327	1	1								
IPM	A50L-0001-0331			1							
IPM	A50L-0001-0332				1						
IGBT	A50L-0001-0337					3					
IGBT	A50L-0001-0338						3				
IGBT	A50L-0001-0340							3	3	6	
IGBT	A50L-0001-0341										6
CAPACITOR	A42L-0001-0396	3	5								
CAPACITOR	A42L-0001-0395			4	5						
CAPACITOR	A42L-0001-0398					1					
CAPACITOR	A42L-0001-0399						1				
CAPACITOR	A42L-0001-0400							1			
CAPACITOR	A42L-0001-0412								1		
CAPACITOR	A42L-0001-0417									1	1
PLASTIC CASE	A230-0602-X001/A	1	1								
PLASTIC CASE	A230-0602-X002/A	1	1	1	1						
PLASTIC CASE	A230-0603-X001/A			1	1						
PLASTIC CASE	A230-0604-X001					1	1	1	1		
PLASTIC CASE	A230-0604-X002					1	1	1	1		
DC LINK COVER	A230-0602-T104	1	1								
DC LINK COVER	A230-0603-T104			1	1						
DC LINK COVER	A230-0604-T104					1	1	1	1	2	2
FACE PLATE	A230-0602-T105/B	1	1	1	1	1	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/B	1	1								
TERMINAL COVER	A230-0603-T106/B			1	1						
TERMINAL COVER	A230-0604-T106/B					1	1	1	1		
PACKING	A300-0009-X413	1	1								
PACKING	A300-0009-X352			1	1						
PACKING	A300-0009-X429					1	1	1	1		
PACKING	A300-0009-X441									1	1

Parts Name	Designation	6112 - H002	6112 - H006	6112 - H011	6112 - H015	6112 - H022	6112 - H026	6112 - H030	6112 - H037	6112 - H045	6112 - H055
PCB(CONTROL)	A20B-2100-0801	1	1	1	1	1	1	1	1	1	1
PCB(DRIVER)	A20B-2003-0420									1	1
PCB(POWER)	A16B-2203-0650	1									
PCB(POWER)	A16B-2203-0651		1								
PCB(POWER)	A16B-2203-0652			1							
PCB(POWER)	A16B-2203-0653				1						
PCB(POWER)	A16B-2203-0620					1					
PCB(POWER)	A16B-2203-0621						1				
PCB(POWER)	A16B-2203-0622							1			
PCB(POWER)	A16B-2203-0623								1		
PCB(POWER)	A20B-1008-0090									1	
PCB(POWER)	A20B-1008-0091										1
PCB(GATE)	A20B-2003-0430									6	
PCB(GATE)	A20B-2003-0431										6

4.5.3.3. SPM-HV (TYPE A) (400VAC Input Type)

Parts Name	Designation	6121 - H006	6121 - H011	6121 - H015	6121 - H030	6121 - H045	6121 - H075	6121 - H100
FUSE	A60L-0001-0362/50U	1	1					
FUSE	A60L-0001-0362/75U			1				
FUSE	A60L-0001-0362/150U				1			
FUSE	A60L-0001-0362/200U					1		2
FUSE	A60L-0001-0362/300U						1	
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0507/B	1						
FAN MOTOR(EXT)	A90L-0001-0508		1	1				
FAN MOTOR(EXT)	A90L-0001-0509				1	1	2	2
FAN MOTOR(INT)	A90L-0001-0510	1	1	1				
FAN MOTOR(INT)	A90L-0001-0511				1	1	2	2
IPM	A50L-0001-0348	1	1					
IPM	A50L-0001-0349			1				
IGBT	A50L-0001-0363				3			
IGBT	A50L-0001-0354					3	6	
IGBT	A50L-0001-0355							6
CAPACITOR	A42L-0001-0403	4						
CAPACITOR	A42L-0001-0404		4	4				
CAPACITOR	A42L-0001-0431				8	8		
CAPACITOR	A42L-0001-0416						1	1
PLASTIC CASE	A230-0602-X001/A	1						
PLASTIC CASE	A230-0602-X002/A	1	1	1				
PLASTIC CASE	A230-0603-X001/A		1	1				
PLASTIC CASE	A230-0604-X001				1	1		
PLASTIC CASE	A230-0604-X002				1	1		
DC LINK COVER	A230-0602-T104	1						
DC LINK COVER	A230-0603-T104		1	1				
DC LINK COVER	A230-0604-T104				1	1	2	2
FACE PLATE	A230-0602-T105/B	1	1	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/B	1						
TERMINAL COVER	A230-0603-T106/B		1	1				
TERMINAL COVER	A230-0604-T106/B				1	1	1	1
PACKING	A300-0009-X413	1						
PACKING	A300-0009-X352		1	1				
PACKING	A300-0009-X429				1	1		
PACKING	A300-0009-X441						1	1
PCB(CONTROL)	A20B-2100-0800	1	1				1	1
PCB(CONTROL)	A20B-2100-0804			1	1	1		
PCB(DRIVER)	A20B-2003-0420						1	1
PCB(POWER)	A16B-2203-0820	1						
PCB(POWER)	A16B-2203-0821		1					
PCB(POWER)	A16B-2203-0822			1				
PCB(POWER)	A16B-2203-0627				1			
PCB(POWER)	A16B-2203-0628					1		
PCB(POWER)	A20B-1008-0096						1	
PCB(POWER)	A20B-1008-0097							1
PCB(GATE)	A20B-2003-0430						6	
PCB(GATE)	A20B-2003-0431							6

4.5.3.4. SPM-HV (TYPE B) (400VAC Input Type)

Parts Name	Designation	6122 - H006	6122 - H011	6122 - H015	6122 - H030	6122 - H045	6122 - H075	6122 - H100
FUSE	A60L-0001-0362/50U	1	1					
FUSE	A60L-0001-0362/75U			1				
FUSE	A60L-0001-0362/150U				1			
FUSE	A60L-0001-0362/200U					1		2
FUSE	A60L-0001-0362/300U						1	
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0507/B	1						
FAN MOTOR(EXT)	A90L-0001-0508		1	1				
FAN MOTOR(EXT)	A90L-0001-0509				1	1	2	2
FAN MOTOR(INT)	A90L-0001-0510	1	1	1				
FAN MOTOR(INT)	A90L-0001-0511				1	1	2	2
IPM	A50L-0001-0348	1	1					
IPM	A50L-0001-0349			1				
IGBT	A50L-0001-0363				3			
IGBT	A50L-0001-0354					3	6	
IGBT	A50L-0001-0355							6
CAPACITOR	A42L-0001-0403	4						
CAPACITOR	A42L-0001-0404		4	4				
CAPACITOR	A42L-0001-0431				8	8		
CAPACITOR	A42L-0001-0416						1	1
PLASTIC CASE	A230-0602-X001/A	1						
PLASTIC CASE	A230-0602-X002/A	1	1	1				
PLASTIC CASE	A230-0603-X001/A		1	1				
PLASTIC CASE	A230-0604-X001				1	1		
PLASTIC CASE	A230-0604-X002				1	1		
DC LINK COVER	A230-0602-T104	1						
DC LINK COVER	A230-0603-T104		1	1				
DC LINK COVER	A230-0604-T104				1	1	2	2
FACE PLATE	A230-0602-T105/B	1	1	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/B	1						
TERMINAL COVER	A230-0603-T106/B		1	1				
TERMINAL COVER	A230-0604-T106/B				1	1	1	1
PACKING	A300-0009-X413	1						
PACKING	A300-0009-X352		1	1				
PACKING	A300-0009-X429				1	1		
PACKING	A300-0009-X441						1	1
PCB(CONTROL)	A20B-2100-0801	1	1				1	1
PCB(CONTROL)	A20B-2100-0805			1	1	1		
PCB(DRIVER)	A20B-2003-0420						1	1
PCB(POWER)	A16B-2203-0820	1						
PCB(POWER)	A16B-2203-0821		1					
PCB(POWER)	A16B-2203-0822			1				
PCB(POWER)	A16B-2203-0627				1			
PCB(POWER)	A16B-2203-0628					1		
PCB(POWER)	A20B-1008-0096						1	
PCB(POWER)	A20B-1008-0097							1
PCB(GATE)	A20B-2003-0430						6	
PCB(GATE)	A20B-2003-0431							6

4.5.3.5. SPMC (200VAC Input Type)

Parts Name	Designation	6116 - H002	6116 - H006	6116 - H011	6116 - H015	6116 - H022
FUSE	A60L-0001-0183/50AS	1	1			
FUSE	A60L-0001-0183/100AS			1		
FUSE	A60L-0001-0183/150A				1	
FUSE	A60L-0001-0183/200A					1
FUSE	A60L-0001-0290/LM32C	1	1	1	1	1
FAN MOTOR(EXT)	A90L-0001-0507/A		1			
FAN MOTOR(EXT)	A90L-0001-0508			1	1	
FAN MOTOR(EXT)	A90L-0001-0509					1
FAN MOTOR(INT)	A90L-0001-0510	1	1	1	1	
FAN MOTOR(INT)	A90L-0001-0511					1
IPM	A50L-0001-0327	1	1			
IPM	A50L-0001-0331			1		
IPM	A50L-0001-0332				1	
IGBT	A50L-0001-0337					3
CAPACITOR	A42L-0001-0396	3	5			
CAPACITOR	A42L-0001-0395			4	5	
CAPACITOR	A42L-0001-0398					1
PLASTIC CASE	A230-0602-X001/A	1	1			
PLASTIC CASE	A230-0602-X002/A	1	1	1	1	
PLASTIC CASE	A230-0603-X001/A			1	1	
PLASTIC CASE	A230-0604-X001					1
PLASTIC CASE	A230-0604-X002					1
DC LINK COVER	A230-0602-T104	1	1			
DC LINK COVER	A230-0603-T104			1	1	
DC LINK COVER	A230-0604-T104					1
FACE PLATE	A230-0602-T105/B	1	1	1	1	1
TERMINAL COVER	A230-0602-T106/B	1	1			
TERMINAL COVER	A230-0603-T106/B			1	1	
TERMINAL COVER	A230-0604-T106/B					1
PACKING	A300-0009-X413	1	1			
PACKING	A300-0009-X352			1	1	
PACKING	A300-0009-X429					1
PCB(CONTROL)	A20B-2100-0802	1	1	1	1	1
PCB(POWER)	A16B-2203-0650	1				
PCB(POWER)	A16B-2203-0651		1			
PCB(POWER)	A16B-2203-0652			1		
PCB(POWER)	A16B-2203-0653				1	
PCB(POWER)	A16B-2203-0620					1