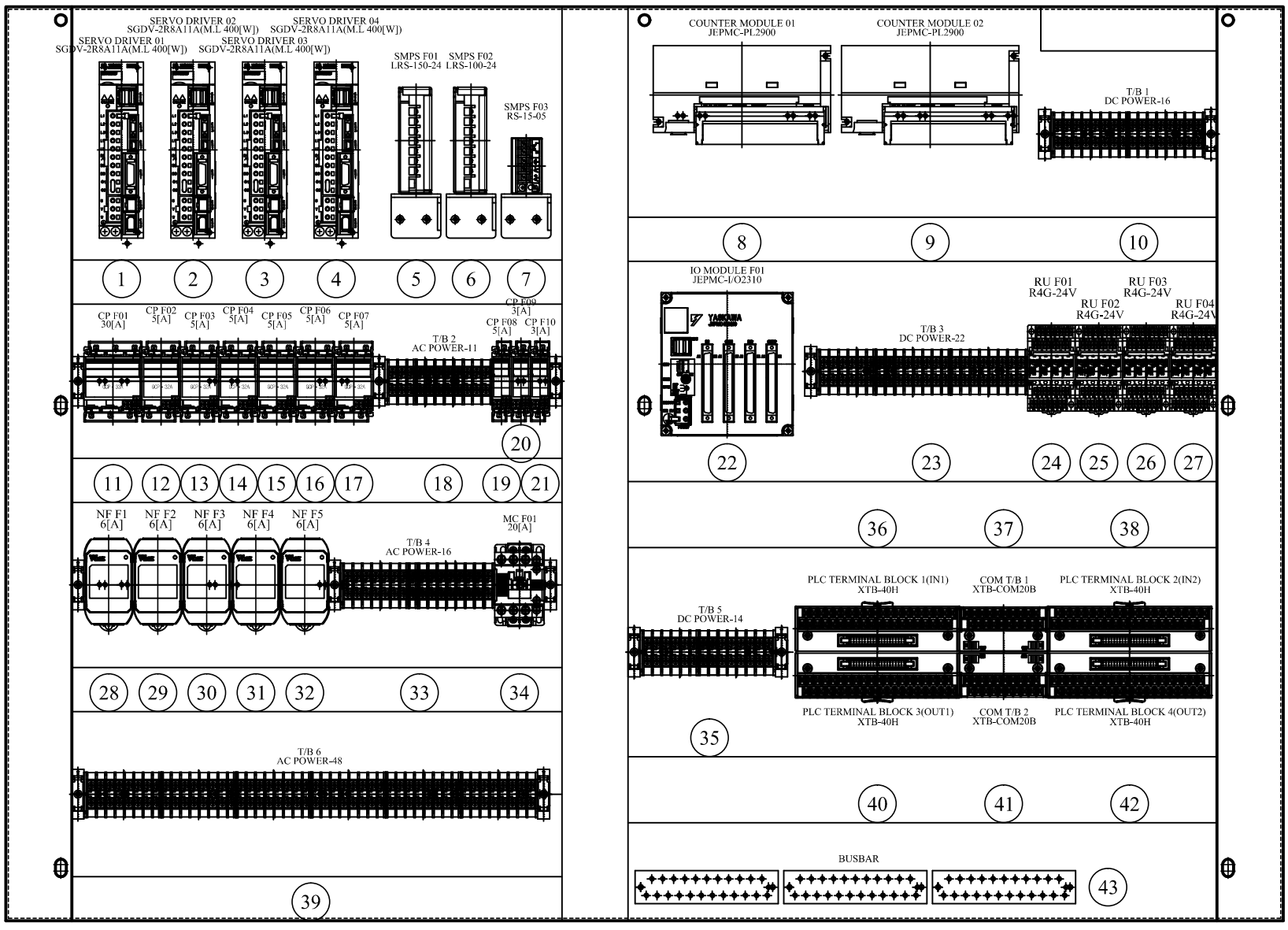
No.	Parts of Name	Spec(Maker)	No.	Parts of Name	Spec(Maker)	No.	Parts of Name	Spec(Maker)
1,	SERVO DRIVER F01(M.FEEDING)	SGDV-2R8A11A(M.L 400[W])	32	NOISE FILTER F05	WY-S06TD			
2	SERVO DRIVER F02(M.TENSION)	SGDV-2R8A11A(M.L 400[W])	33	T/B 4	AC POWER-16			
3	SERVO DRIVER F03(I.FEEDING)	SGDV-2R8A11A(M.L 400[W])	34	MAGNETIC CONTACTOR F01	MC-22B(1a1b,220V,with SAFETY COVER)			
4	SERVO DRIVER F04(I.TENSION)	SGDV-2R8A11A(M.L 400[W])	35	T/B 5	DC POWER-14			
5	SMPS F01	LRS-150-24(24V, 6.5A)	36	PLC TERMINAL BLOCK 1(IN 1)	XTB-40H			
6	SMPS F02	LRS-150-24(24V, 6.5A)	37	PLC COM TERMINAL BLOCK 1	XTB-COM20B			
7	SMPS F03	RS-15-05	38	PLC TERMINAL BLOCK 3(IN 2)	XTB-40H			
8	COUNTER MODULE 01	JEPMC-PL2900	39	T/B 6	AC POWER-48			
9	COUNTER MODULE 02	JEPMC-PL2900	40	PLC TERMINAL BLOCK 2(OUT 1)	XTB-40H			
10	T/B 1	DC POWER-16	41	PLC COM TERMINAL BLOCK 2	XTB-COM20B			
11	CIRCUIT PROTECTOR F01	GCP-33ANM(3P,30A)	42	PLC TERMINAL BLOCK 4(OUT 2)	XTB-40H			
12	CIRCUIT PROTECTOR F02	GCP-32ANM(2P,5A)	43	BUS BAR	150A/23HOLE*3[EA]			
13	CIRCUIT PROTECTOR F03	GCP-32ANM(2P,5A)						
14	CIRCUIT PROTECTOR F04	GCP-32ANM(2P,5A)						
15	CIRCUIT PROTECTOR F05	GCP-32ANM(2P,5A)						
16	CIRCUIT PROTECTOR F06	GCP-32ANM(2P,5A)						
17	CIRCUIT PROTECTOR F07	GCP-32ANM(2P,5A)						
18	T/B 2	AC POWER-11						
19	CIRCUIT PROTECTOR F08	GCP-31ANM(1P,5A)						
20	CIRCUIT PROTECTOR F09	GCP-31ANM(1P,3A)						
21	CIRCUIT PROTECTOR F10	GCP-31ANM(1P,3A)						
22	IO MODULE F01	JEPMC-I/O2310						
23	T/B 3	DC POWER-22						
24	RELAY UNIT F01	R4G-24V						
25	RELAY UNIT F02	R4G-24V						
26	RELAY UNIT F03	R4G-24V						
27	RELAY UNIT F04	R4G-24V						
28	NOISE FILTER F01	WY-S06TD						
29	NOISE FILTER F02	WY-S06TD						
30	NOISE FILTER F03	WY-S06TD						
31	NOISE FILTER F04	WY-S06TD						



2				1
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Order	Date	Sign	Change of Subject	Page

Scale	Drawn	Checked	Date	Item Title	Roll To Roll Marking Feeding M/C
1/5					
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	MAIN PANEL 1
GigaVis Co., Ltd				Item_No	2024A062 - 500001

PE
UL(1015) HKIV 10[SQ]
AWG8 BLK
Y/G

R1 HKIV 10[SQ] BLK
S1 HKIV 10[SQ] BLK
T1 HKIV 10[SQ] BLK

T/B 60[A]

R1 HKIV 10[SQ] BLK
S1 HKIV 10[SQ] BLK
T1 HKIV 10[SQ] BLK

PLC COM TERMINAL BLOCK
XTB-COM20B
2[EA]

RELAY UNIT F01-1
R4G-24V
DC 24[V]

HKIV 1.5[SQ] RED
R1

HKIV 1.5[SQ] RED
R1F

MAGNETIC SURGE UNIT F01
US-3(AC220V)
-
MAGNETIC CONTACTOR F01
MC-22B(1a1b,220V,with SAFETY COVER)
20[A]

MC01

From
Page 511 A6

HKIV 1.5[SQ] RED
EMG7S1

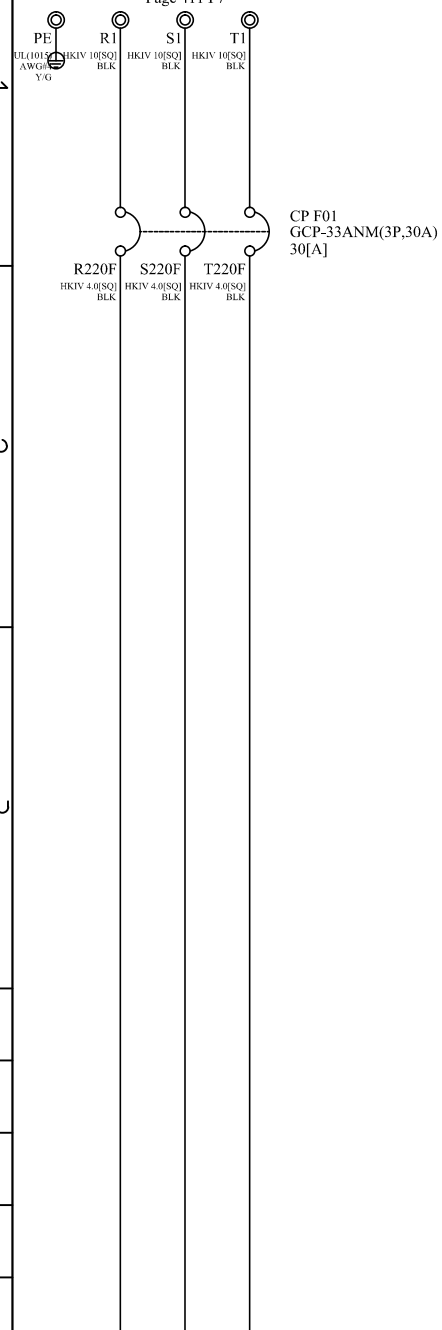
To
Page 311 B5

To
Page 412 F1

2				411
1				
Order	Date	Sign	Change of Subject	Page

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING POWER 1
GigaVis Co., Ltd				Item_No	2024A062 - 5050411

From
Page 411 F7



To
Page 413 F1

2				412
1				
Order	Date	Sign	Change of Subject	Page

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING POWER 2
GigaVis Co., Ltd				Item_No	2024A062 - 5050412

From
Page 412 F7

PE
UL(1015) AWG#12 Y/G
R220F
HKIV 4.0[SQ] BLK
S220F
HKIV 4.0[SQ] BLK
T220F
HKIV 4.0[SQ] BLK

CP F02
GCP-32ANM(2P,5A)
15[A]

NF F01
WY-S06TD
15[A]

BEAD CORE
ZCAT2132-1130

SMPS BKT B 01
200*45*40
SMPS F01
LRS-150-24(24V, 6.5A)
6.5[A]

CP F08
GCP-31ANM(1P,5A)
5[A]

T/B 15[A]

R220F → R221F (HKIV 4.0[SQ] BLK → HKIV 2.5[SQ] BLK)
T220F → T221F (HKIV 4.0[SQ] BLK → HKIV 2.5[SQ] BLK)
R221F → R222F → T222F (HKIV 2.5[SQ] BLK)
+24F, N24VF (HKIV 2.5[SQ] BLU)
P24VF → P24VF
N24VF → N24VF
UL(1015) AWG#12 Y/G PE

To
Page 412 F1

SMPS BKT B 02
200*45*40
SMPS F02
LRS-100-24
4.5[A]

CP F09
GCP-31ANM(1P,3A)
3[A]

+24FD, N5VF (HKIV 2.5[SQ] BLU)
P24VFD → P24VFD
N24VFD → N24VFD
UL(1015) AWG#12 Y/G PE

To
Page 416 D2, D6 / Page 417 F2/F5

SMPS BKT B 03
200*45*40
SMPS F03
RS-15-05
3[A]

CP F10
GCP-31ANM(1P,3A)
3[A]

+5F, N5VF (HKIV 2.5[SQ] BLU)
P5VF → P5VF
N5VF → N5VF
UL(1015) AWG#12 Y/G PE

To
Page 421 C1

CP 03
GCP-32ANM(2P,5A)
5[A]

T/B 15[A]

R220F → R22CF (HKIV 4.0[SQ] BLK → HKIV 1.5[SQ] BLK)
S220F → S22CF (HKIV 4.0[SQ] BLK → HKIV 1.5[SQ] BLK)

To
Page 414 F2, F5 / Page 415 F2, F5

MAGNETIC CONTACTOR F01
MC-22B(1a1b,220V,with SAFETY COVER)
20[A]

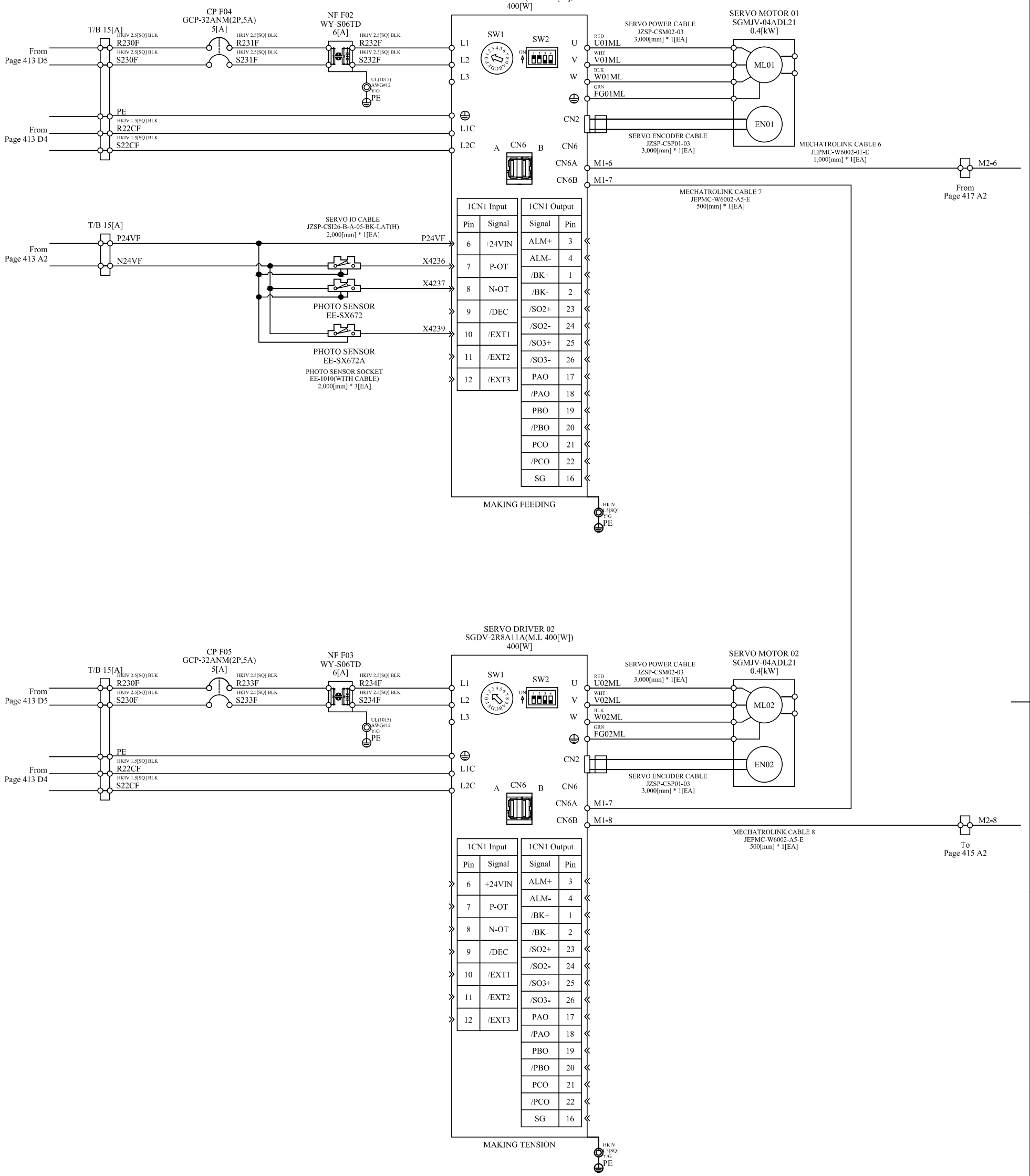
T/B 15[A]

R220F → R230F (HKIV 4.0[SQ] BLK)
S220F → S230F (HKIV 4.0[SQ] BLK)
T220F → T230F (HKIV 4.0[SQ] BLK)

To
Page 414 F1, F4 / Page 415 F1, F4

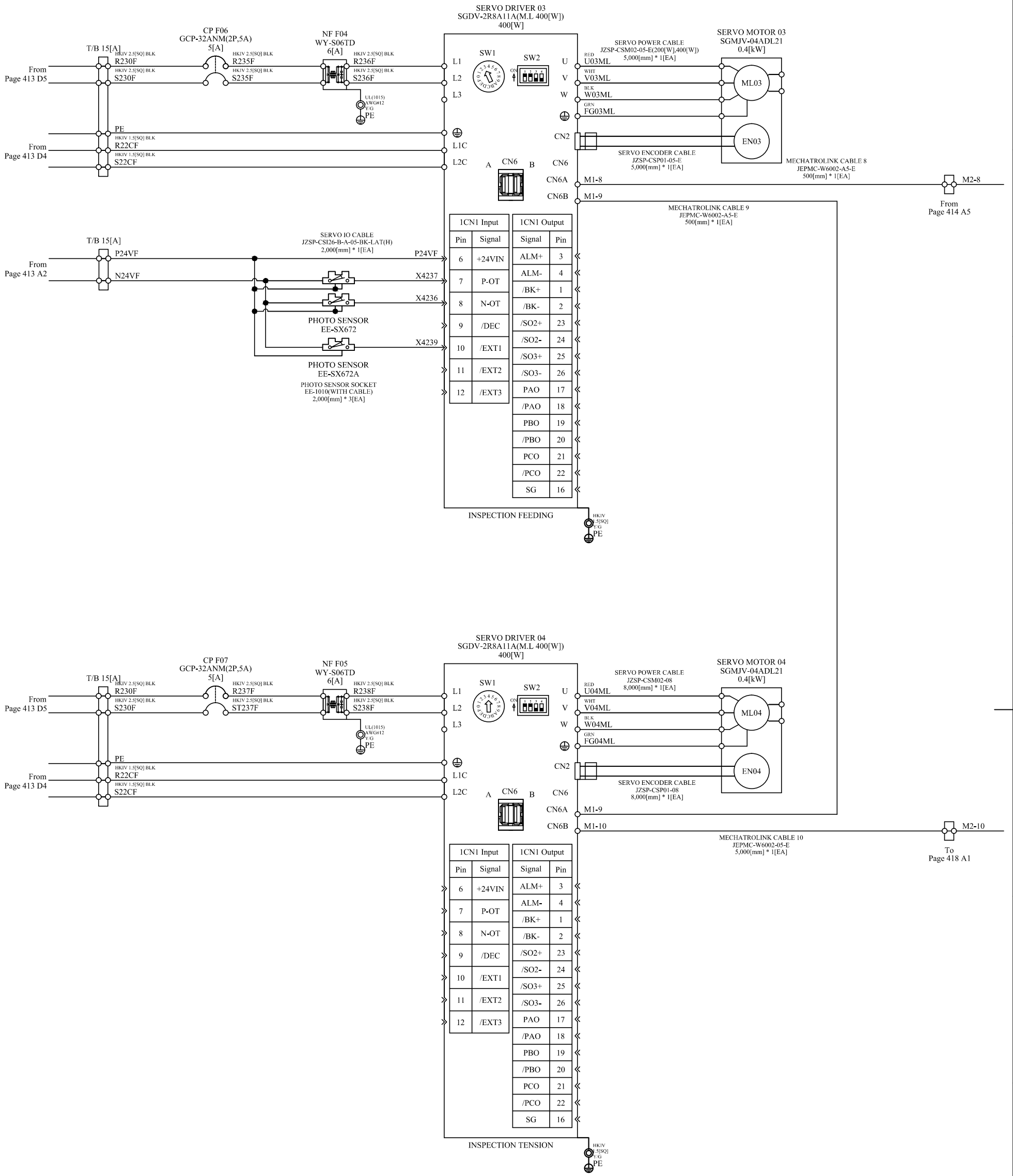
2				413
1				
Order	Date	Sign	Change of Subject	Page

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING POWER 3
GigaVis Co., Ltd				Item_No	2024A062 - 5050413



2				414
1				
Order	Date	Sign	Change of Subject	Page

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING POWER 4
GigaVis Co., Ltd				Item_No	2024A062 - 5050414



2				415
1				
Order	Date	Sign	Change of Subject	Page

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING POWER 5
GigaVis Co., Ltd				Item_No	2024A062 - 5050415

COUNTER MODULE 01
JEPMC-PL2900
120[mA]

Signal	Pin
PHA1+	7
PHA1-	6
PHB1+	4
PHB1-	3

HKIV 0.5[SQ] WHT

Rst Input	RST1	10
Notch Output	N1	9
Latch Input	L1	8

Output Com	OUT-	11
Input Com	IN-	12

P24VFD

V	22	N24VFD
+24V	23	P24VFD

중계 단자 01
N24VFD
P24VFD
To
Page 413 D3

Signal	Pin
PHB2+	18
PHB2-	17
PHA2+	21
PHA2-	20

HKIV 0.5[SQ] WHT

Rst Input	RST2	15
Notch Output	N2	13
Latch Input	L2	14

In Signal	Pin
-	-
-	-

ENCODER 01
E40S8-2500-6-L-5
160[mA]

ENCODER	
Pin	Signal
Blk	OPTA+
Blk/R	OPTA-
Wht	OPTB+
Wht/R	OPTB-
Brown	5VDC
Blu	0V

OPTA1+
OPTA1-
OPTB1+
OPTB1-
01SH01

P5VF
N5VF
중계 단자 01
P5VF
N5VF
To
Page 413 A3

MAKING FEEDING(Front)

ENCODER 02
E40S8-2500-6-L-5
160[mA]

ENCODER	
Pin	Signal
Blk	OPTA+
Blk/R	OPTA-
Wht	OPTB+
Wht/R	OPTB-
Brown	5VDC
Blu	0V

OPTA2+
OPTA2-
OPTB2+
OPTB2-
02SH02

P5VF
N5VF
중계 단자 01
P5VF
N5VF
To
Page 413 A3

MAKING BUFFER(Back)

JEPMC-PL2900
120[mA]

DIP SW 1~8

MECHATROLINK CABLE 4
JEPMC-W6002-A5-E
500[mm] * 1[EA]

M1-4
M1-5

From
Page 416 E7

To
Page 417 A1

COUNTER MODULE 02
JEPMC-PL2900
120[mA]

Signal	Pin
PHA1+	7
PHA1-	6
PHB1+	4
PHB1-	3

HKIV 0.5[SQ] WHT

Rst Input	RST1	10
Notch Output	N1	9
Latch Input	L1	8

Output Com	OUT-	11
Input Com	IN-	12

P24VFD

V	22	N24VFD
+24V	23	P24VFD

중계 단자 01
N24VFD
P24VFD
To
Page 413 D3

Signal	Pin
PHB2+	18
PHB2-	17
PHA2+	21
PHA2-	20

HKIV 0.5[SQ] WHT

Rst Input	RST2	15
Notch Output	N2	13
Latch Input	L2	14

In Signal	Pin
-	-
-	-

ENCODER 03
E40S8-2500-6-L-5
160[mA]

ENCODER	
Pin	Signal
Blk	OPTA+
Blk/R	OPTA-
Wht	OPTB+
Wht/R	OPTB-
Brown	5VDC
Blu	0V

OPTA3+
OPTA3-
OPTB3+
OPTB3-
03SH03

P5VF
N5VF
중계 단자 01
P5VF
N5VF
To
Page 413 A3

AOI(Bottom) FEEDING(Front)

ENCODER 04
E40S8-2500-6-L-5
160[mA]

ENCODER	
Pin	Signal
Blk	OPTA+
Blk/R	OPTA-
Wht	OPTB+
Wht/R	OPTB-
Brown	5VDC
Blu	0V

OPTA4+
OPTA4-
OPTB4+
OPTB4-
04SH04

P5VF
N5VF
중계 단자 01
P5VF
N5VF
To
Page 413 A3

2D BUFFER(Back)

JEPMC-PL2900
120[mA]

DIP SW 1~8

MECHATROLINK CABLE 3
JEPMC-W6002-05-E
5,000[mm] * 1[EA]

M1-3
M1-4

From
Page 716 A5

To
Page 416 F4

Order	Date	Sign	Change of Subject	Page
2				416
1				

Scale	Drawn	Checked	Date	Item Title
1/5				RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name: FEEDING POWER 6

GigaVis Co., Ltd

Item_No: 2024A062 - 5050416

I/O MODULE F01
JEPMC-I/O2310
24[V]

YASKAWA
JEPMC-IO2310

SW1

CN1
CN6A
CN6B

IN1 OUT1 IN2 OUT2

T/B 15[A]
P24VFD
N24VFD
PE

From
Page 413 D3

DC 24V
DC 0V

MECHATROLINK CABLE 5
JEPMC-W6002-A5-E
500[mm] * 1[EA]

M1-5
M1-6

M2-5
From
Page 416 E4

MECHATROLINK CABLE 6
JEPMC-W6002-01-E
1,000[mm] * 1[EA]

M2-6
To
Page 414 A2

MAKING UNIT

PLC TERMINAL BLOCK M01
XTB-40H

PLC TERMINAL BLOCK M02
XTB-40H

PLC TERMINAL BLOCK M03
XTB-40H

PLC TERMINAL BLOCK M04
XTB-40H

PLC IO CABLE
KOR-WH-NA40FLH-S-1.5M
1,500[mm] * 1[EA]

PLC IO CABLE
KOR-WH-NA40FLH-S-1.5M
1,500[mm] * 1[EA]

PLC IO CABLE
KOR-WH-NA40FLH-S-1.5M
1,500[mm] * 1[EA]

PLC IO CABLE
KOR-WH-NA40FLH-S-1.5M
1,500[mm] * 1[EA]

2				417
1				
Order	Date	Sign	Change of Subject	Page

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING POWER 7
GigaVis Co., Ltd				Item_No	2024A062 - 5050417

From
Page 413 A2

P24VF
HKIV 2.5[SQ] BLUE

N24VF
HKIV 2.5[SQ] BLUE

RELAY UNIT F01
R4G-24V
DC 24[V]

UL AWG 20 BLUE
P24VF

RU01-1
RU01-2
RU01-3
RU01-4

UL AWG 20 BLUE
Y427E

PLC TERMINAL BLOCK
XTB-20H
-

OUT 2	
Pin	Signal
A06	Y427E

From
Page 413 A4

P5VF
HKIV 2.5[SQ] BLUE

N5VF
HKIV 2.5[SQ] BLUE

RELAY UNIT F02
R4G-24V
DC 24[V]

UL AWG 20 BLUE
P24VF

RU02-1
RU02-2
RU02-3
RU02-4

RELAY UNIT F03
R4G-24V
DC 24[V]

UL AWG 20 BLUE
P24VF

RU03-1
RU03-2
RU03-3
RU03-4

RELAY UNIT F04
R4G-24V
DC 24[V]

UL AWG 20 BLUE
P24VF

RU04-1
RU04-2
RU04-3
RU04-4

UL AWG 20 BLUE
-

UL AWG 20 BLUE
-

UL AWG 20 BLUE
LASWM

UL AWG 20 BLUE
LASWM

From
Marking Unit Laser S/W

To
Page 241 F1

RELAY UNIT F04-3/4
R4G-24V
DC 24[V]

LASER INTENSITY CONTROL BOARD
LASER VR CONTROL BOARD (JST)
5[V]

LASER POINT M01
LM-6501EH
5[V]

UL AWG 20 BLUE
P5VM

UL AWG 20 BLUE
LSRM1+

UL AWG 20 BLUE
N5VM

UL AWG 20 BLUE
LSRM1-

5(+)
5(-)

Order	Date	Sign	Change of Subject	Page
2				421
1				

Scale 1/5	Drawn	Checked	Date	Item Title	RTR AOI(EtherCAT) M/C
Tolerances IT 12	BAIK.K.R		M24/08/16	Unit Name	FEEDING CONTROL 1
GigaVis Co., Ltd				Item_No	2024A062 - 5050421