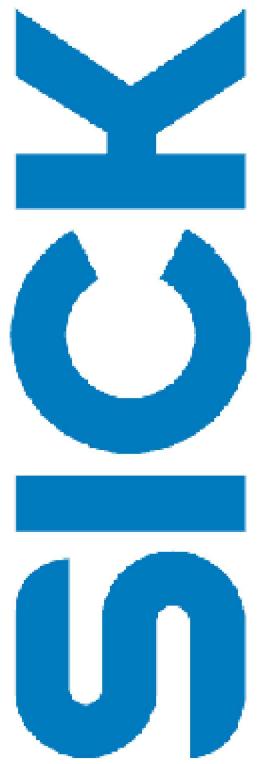


SICK Sensor Intelligence.

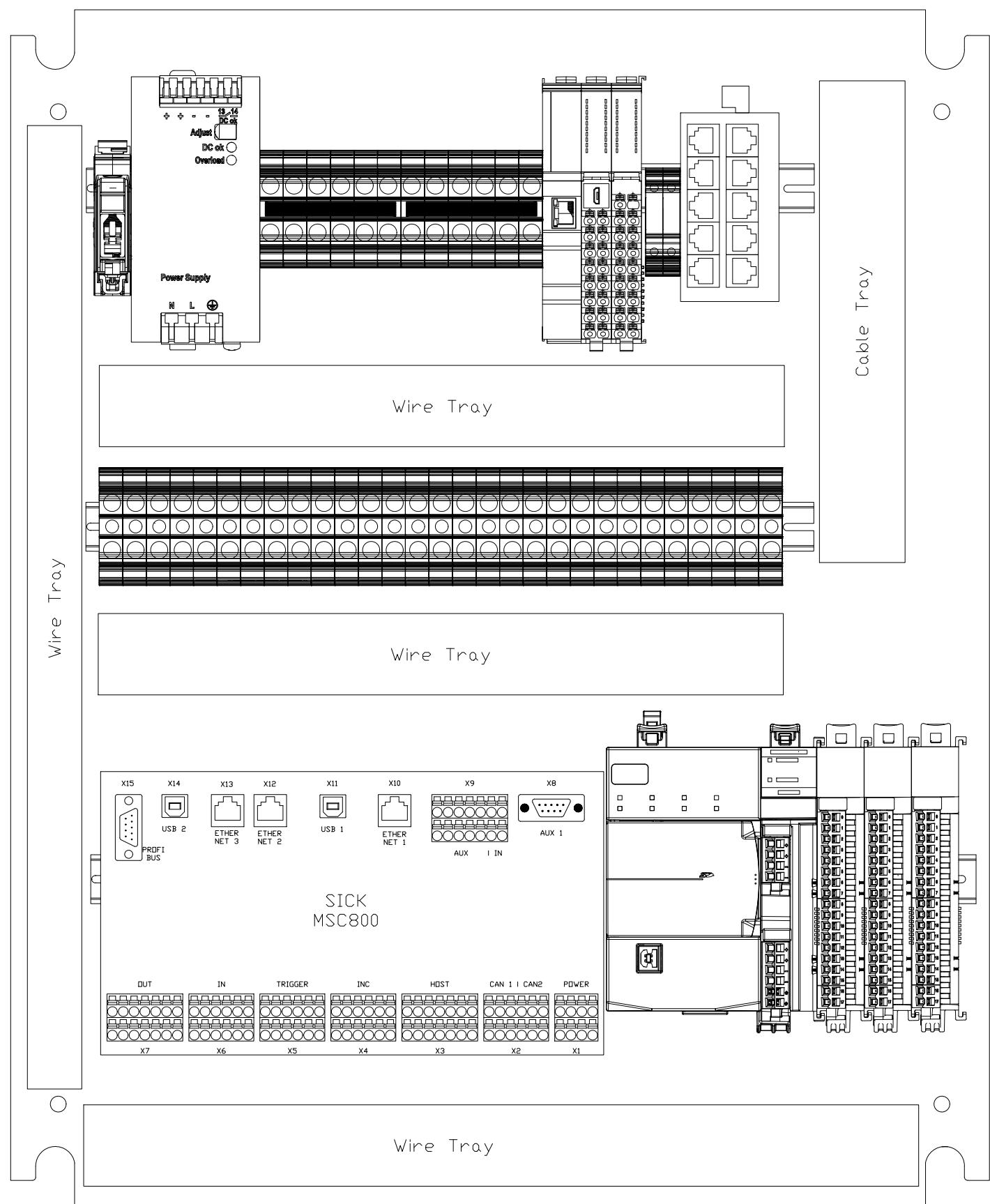


PART NUMBER:
 DRAWN : Joshua Galton DATE : 2024 - 02 - 03
 APPROVED : P. BHAGAT DATE : 2024 - 02 - 05
 SHEET: 1 OF: 2 REV: 4

MACHINE VISION
AND AUTO ID

PANEL
LAYOUT

Notes:



SICK Sensor Intelligence.

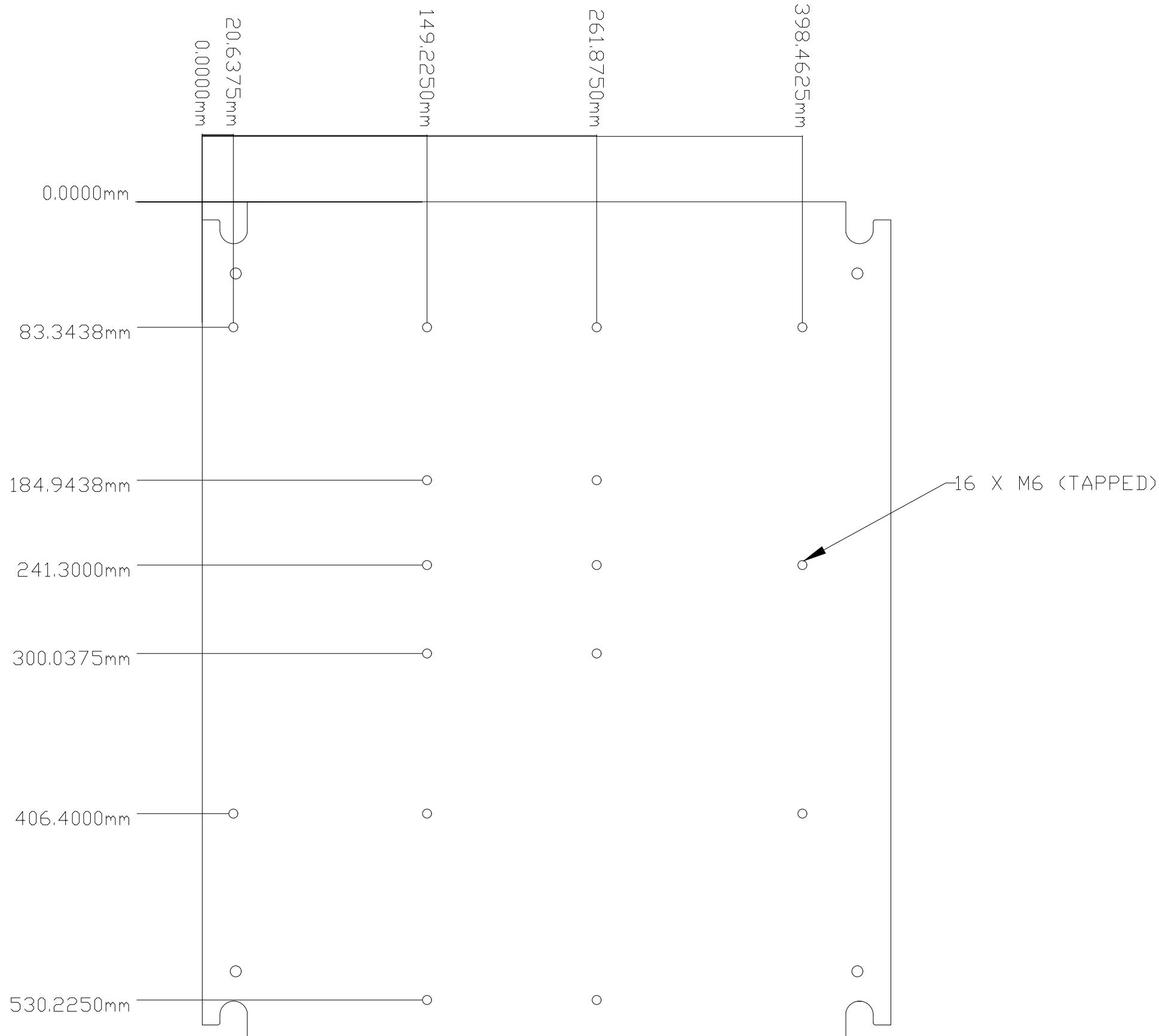


PART NUMBER:
DRAWN : Joshua Galton DATE : 2024 - 02 - 03
APPROVED : P. BHAGAT DATE : 2024 - 02 - 05
SHEET: 2 OF: 2 REV: 2

MACHINE VISION
AND AUTO ID

PANEL
TEMPLATE

Notes:



sick Sensor Intelligence.

Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED

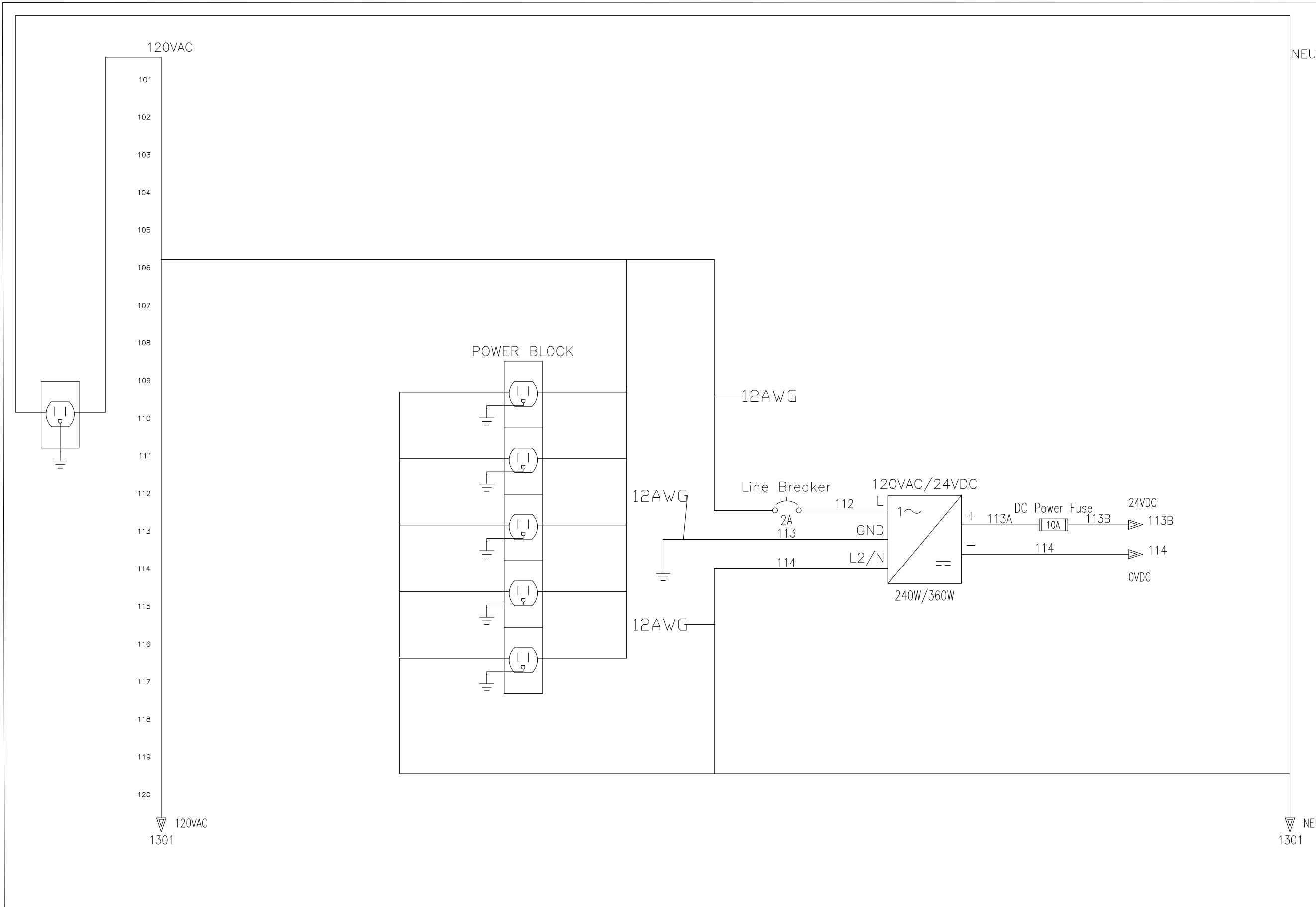
NEUTRAL

1301
NEUTRAL

PART NUMBER: QS10.241
DRAWN: Joshua Galton DATE: 2024 - 03 - 27
APPROVED: P. BHAGAT DATE: 2024 - 04 - 01
SHEET: 1 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

POWER CIRCUIT



Sensor Intelligence.

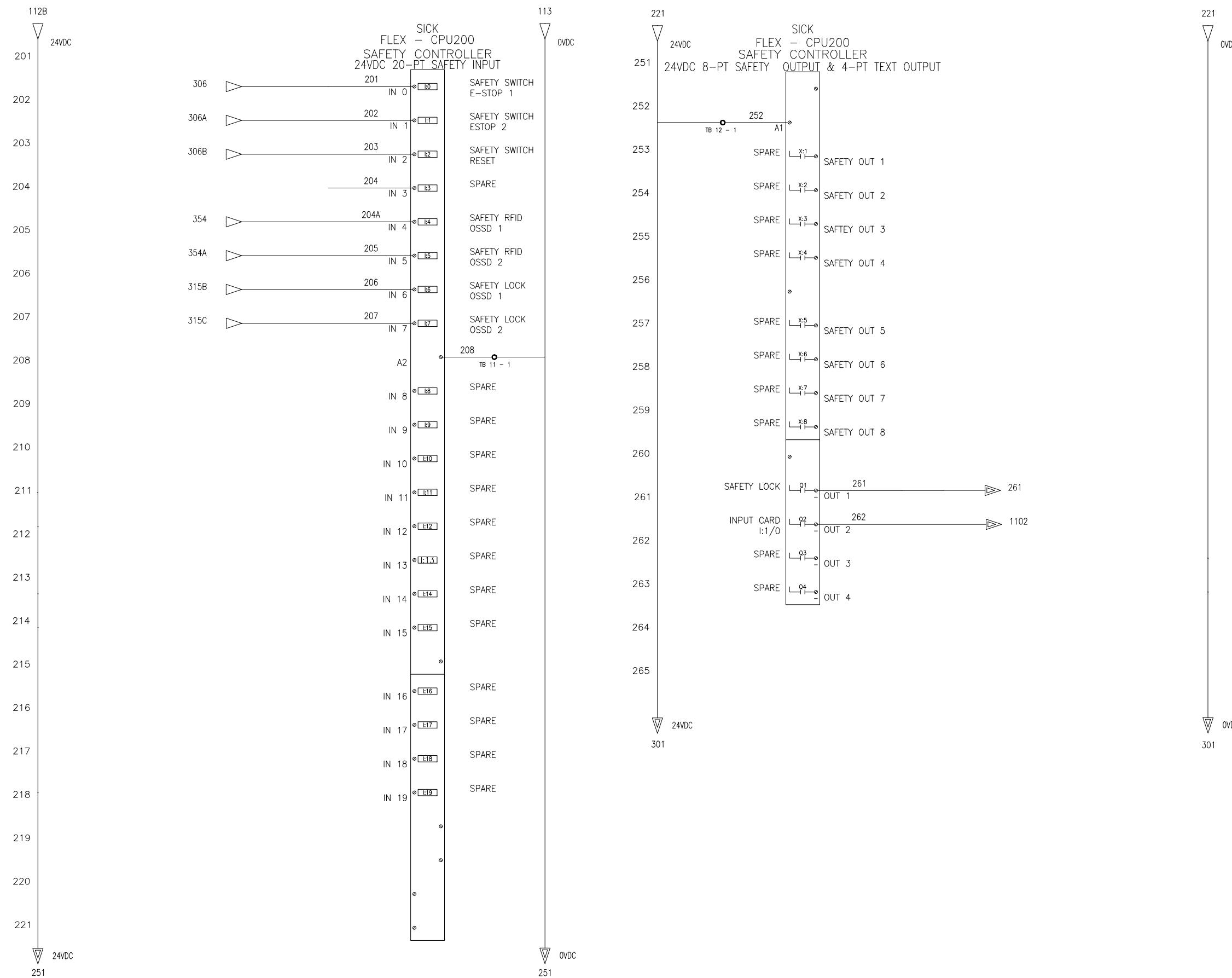


PART NUMBER: FLEX3-CPU200
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 2 OF: 14 REV: 2

MACHINE VISION
AND AUTO ID

SAFETY
CONTROLLER

Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED



Sensor Intelligence.

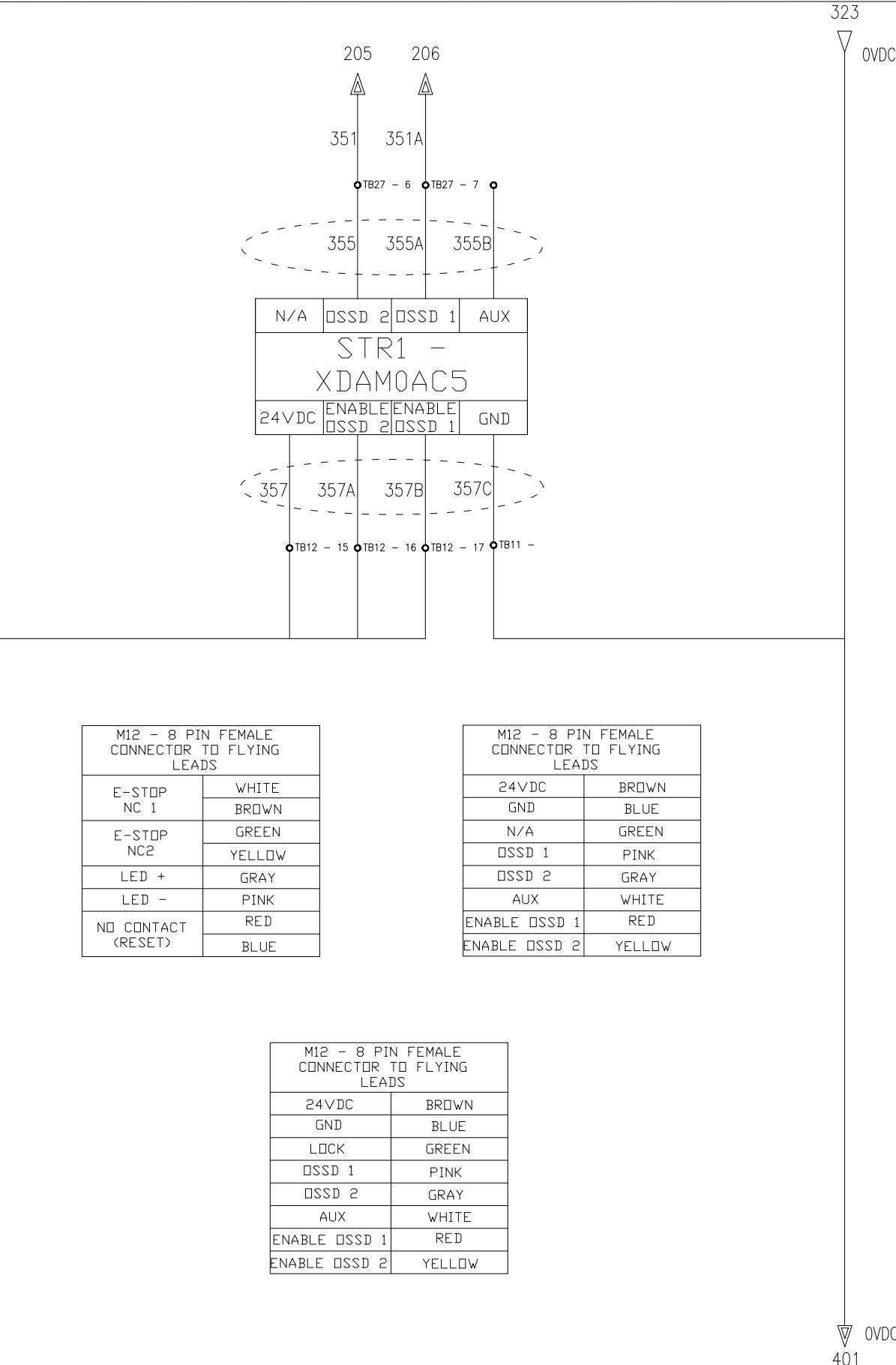
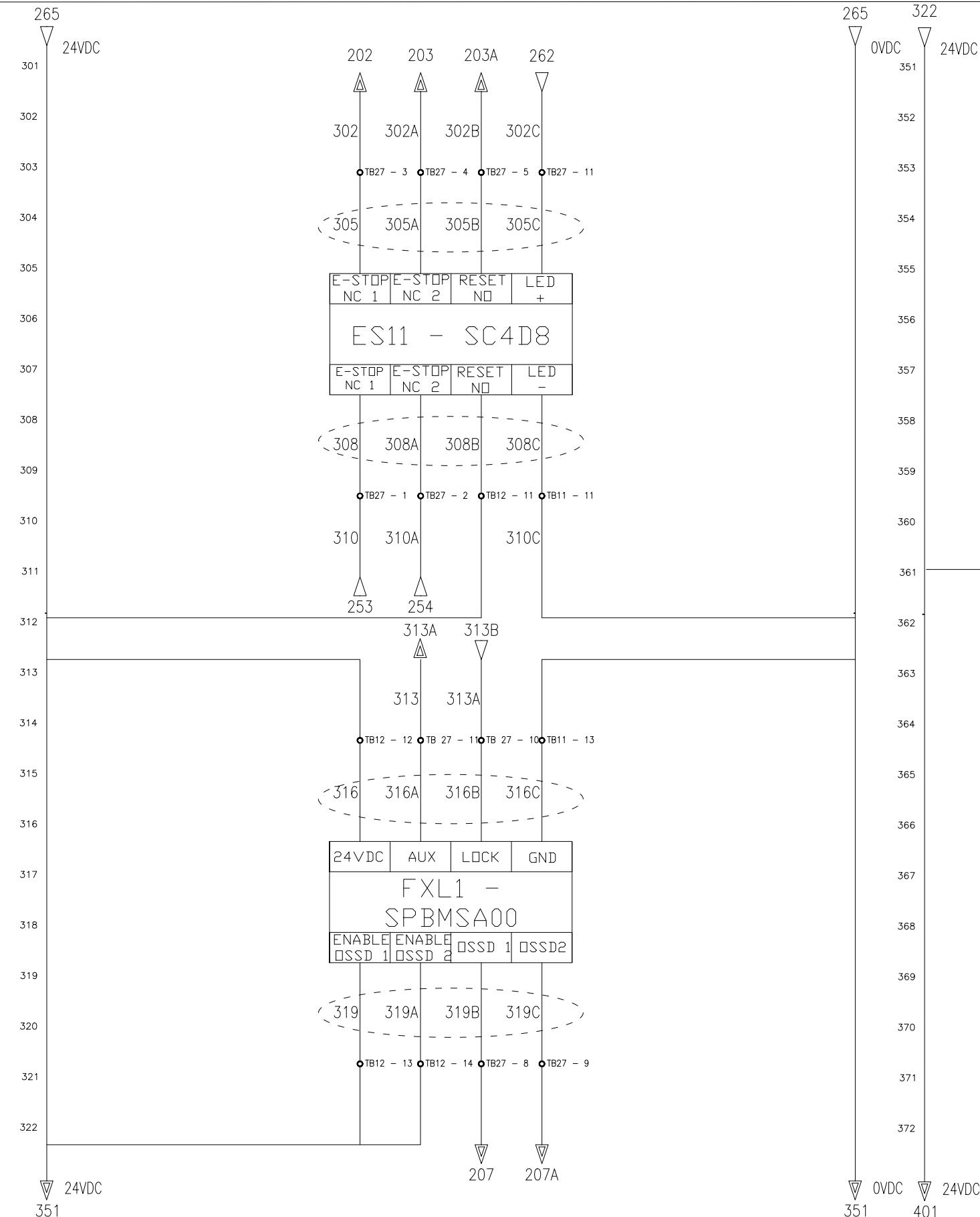


PART NUMBER: ES11 - SC4D8, FXL1 - SPBMSA00, STR1 - XDAM0AC5
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 3 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

SAFETY
DEVICES

Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE
SPECIFIED



M12 - 8 PIN FEMALE CONNECTOR TO FLYING LEADS	
E-STOP NC 1	WHITE
	BROWN
E-STOP NC2	GREEN
	YELLOW
LED +	GRAY
LED -	PINK
NO CONTACT (RESET)	RED
ENABLE DSSD 1	RED
ENABLE DSSD 2	YELLOW

M12 - 8 PIN FEMALE CONNECTOR TO FLYING LEADS	
24VDC	BROWN
GND	BLUE
LOCK	GREEN
DSSD 1	PINK
DSSD 2	GRAY
AUX	WHITE
ENABLE DSSD 1	RED
ENABLE DSSD 2	YELLOW

M12 - 8 PIN FEMALE CONNECTOR TO FLYING LEADS	
24VDC	BROWN
GND	BLUE
LOCK	GREEN
DSSD 1	PINK
DSSD 2	GRAY
AUX	WHITE
ENABLE DSSD 1	RED
ENABLE DSSD 2	YELLOW

0VDC
401

24VDC
351

0VDC
351

24VDC
401

Sensor Intelligence.

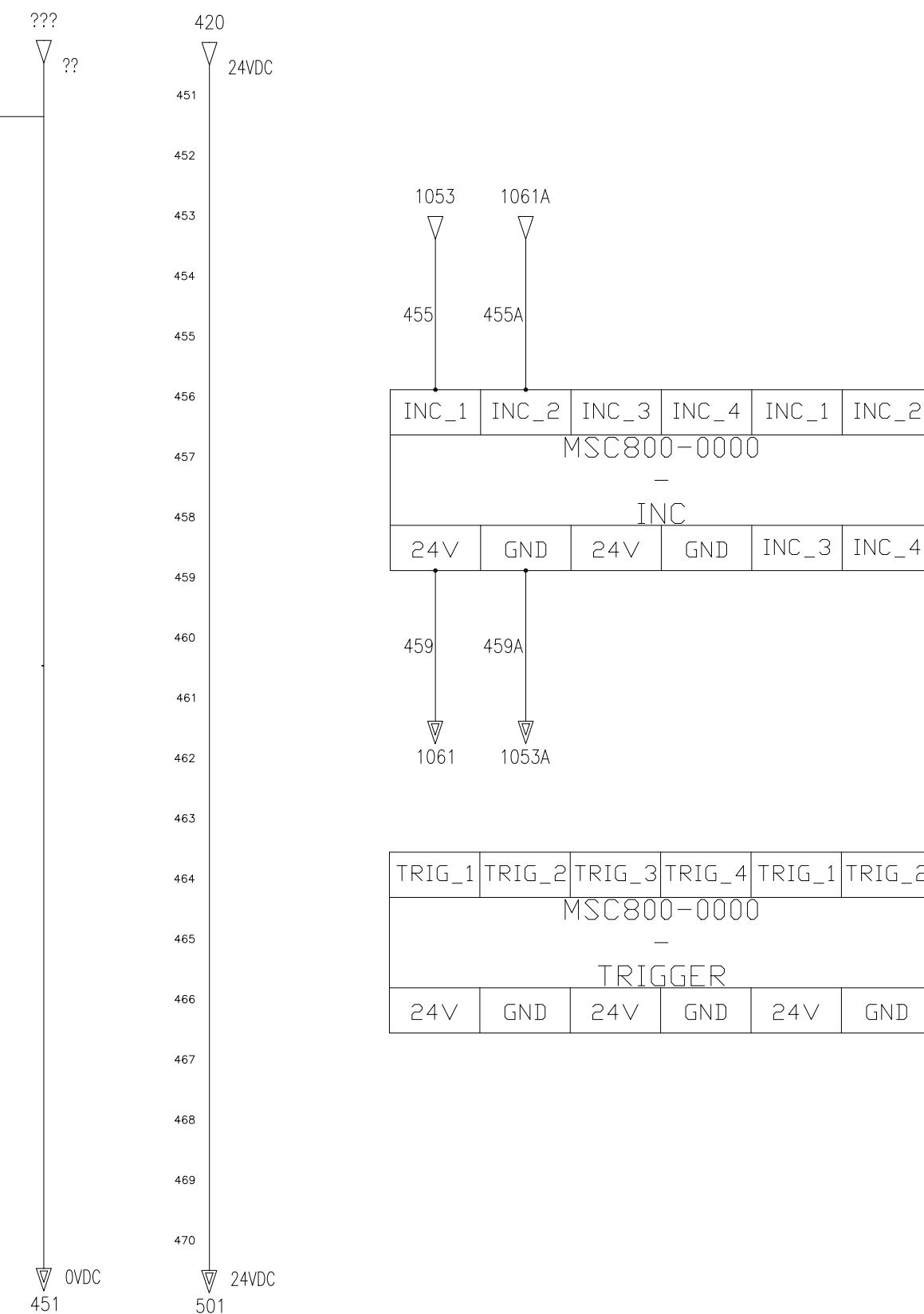
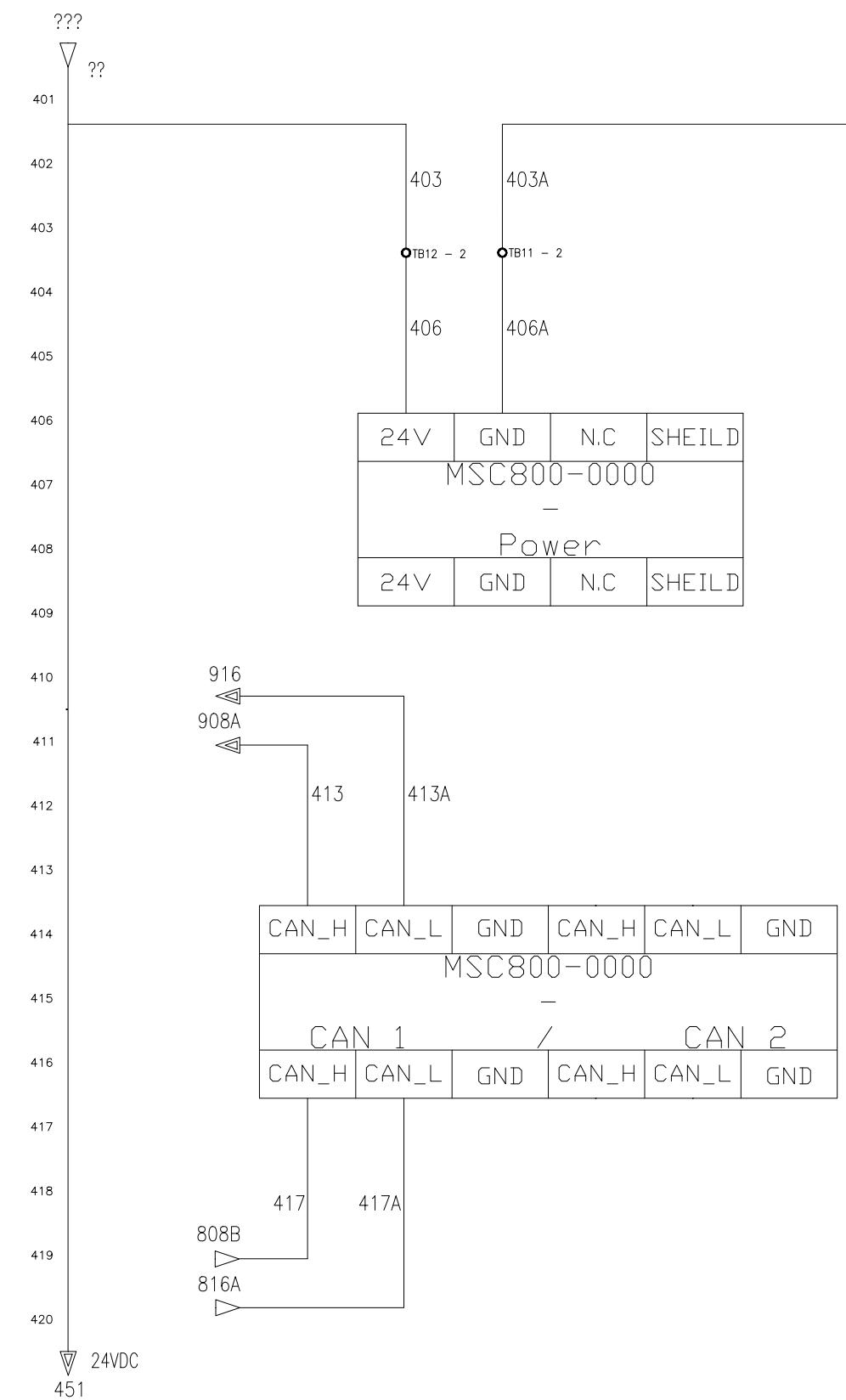
Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED



PART NUMBER: MSC800-0000
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 4 OF: 14 REV: 2

MACHINE VISION
AND AUTO ID

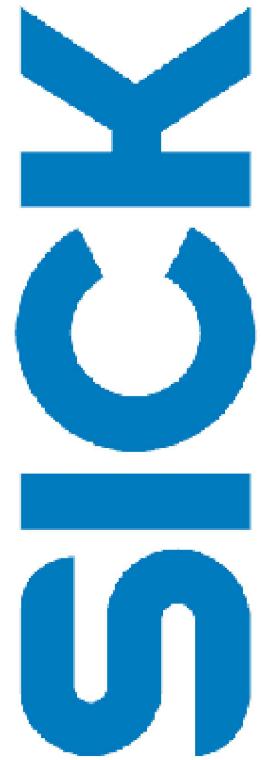
MSC800 - 1



420 24VDC
 451 0VDC
 420 0VDC
 451 0VDC
 501 0VDC

Sensor Intelligence.

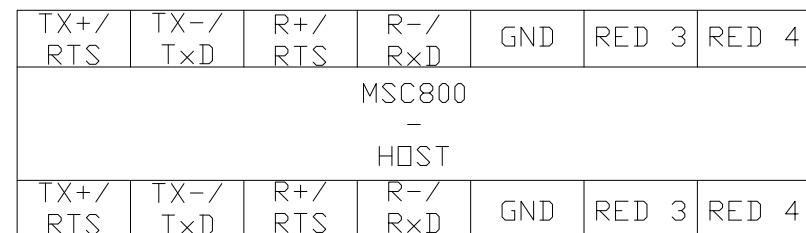
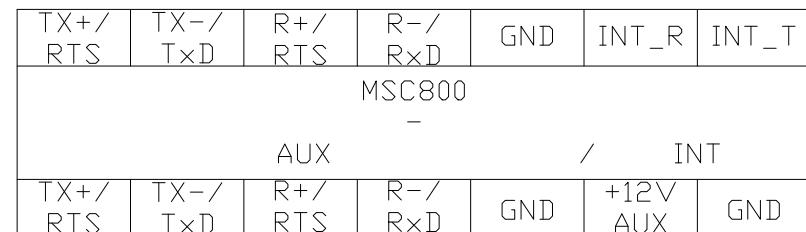
Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED



PART NUMBER: MSC800 - 0000
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 5 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

MSC800 - 2



470
24VDC

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

24VDC
551

470
0VDC

551

552

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560

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564

565

566

567

568

569

570

24VDC
551

520
24VDC

601

551

552

553

554

555

556

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560

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562

563

564

565

566

567

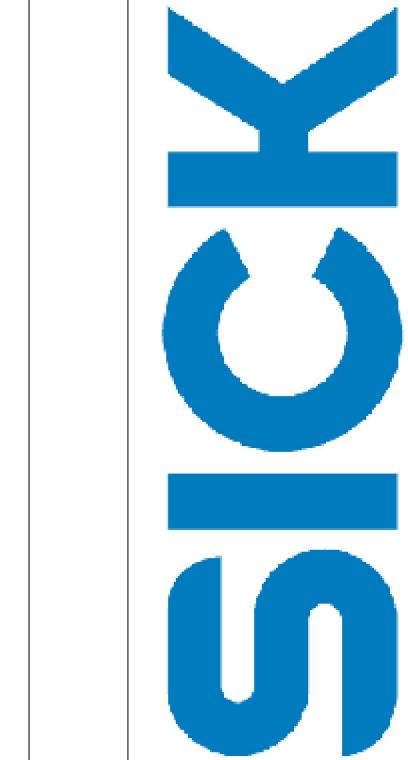
568

569

24VDC
601

520
0VDC

601



PART NUMBER: MSC800 - 0000
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 5 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

MSC800 - 2

SICK
Sensor Intelligence.

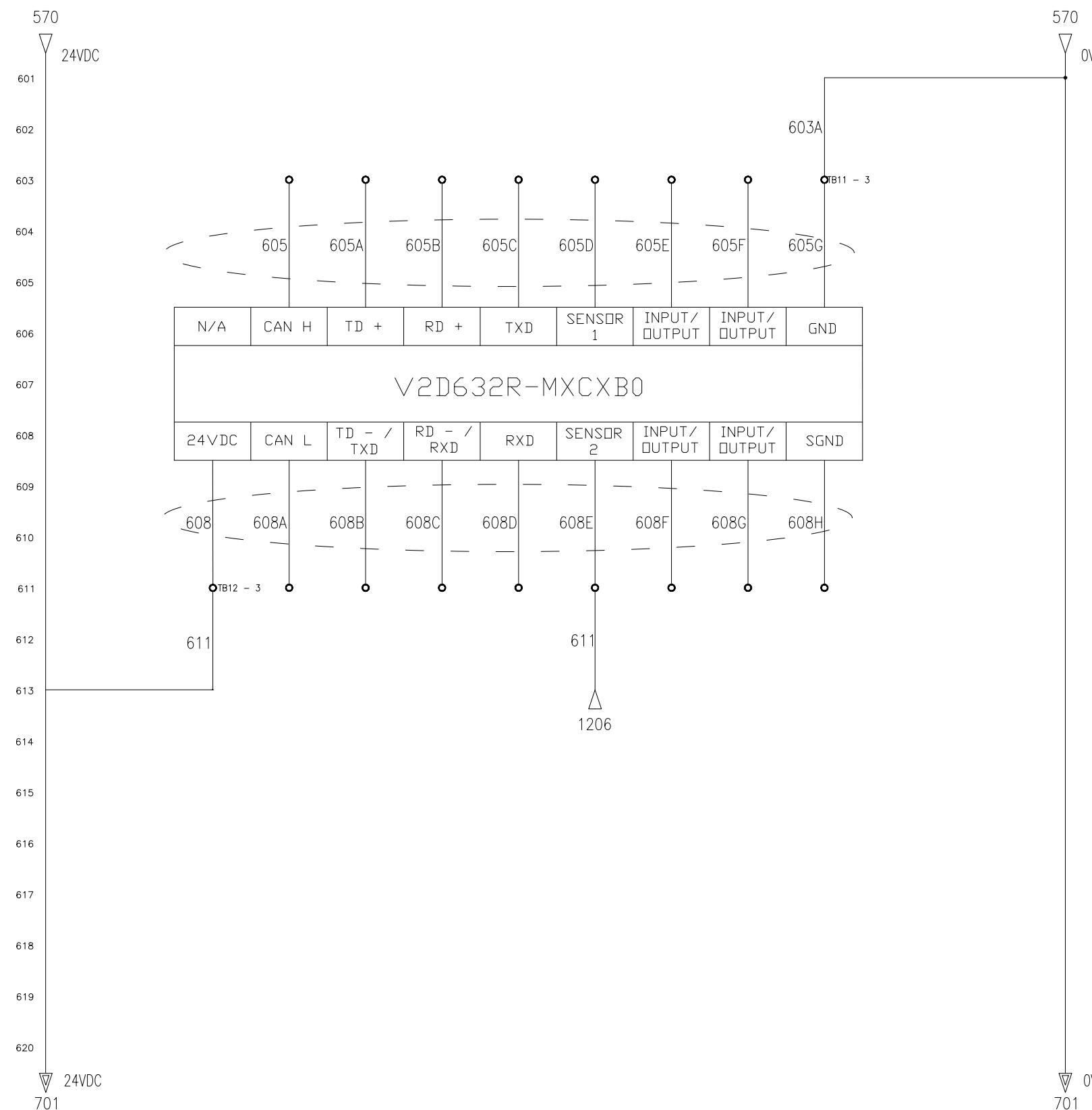
Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED

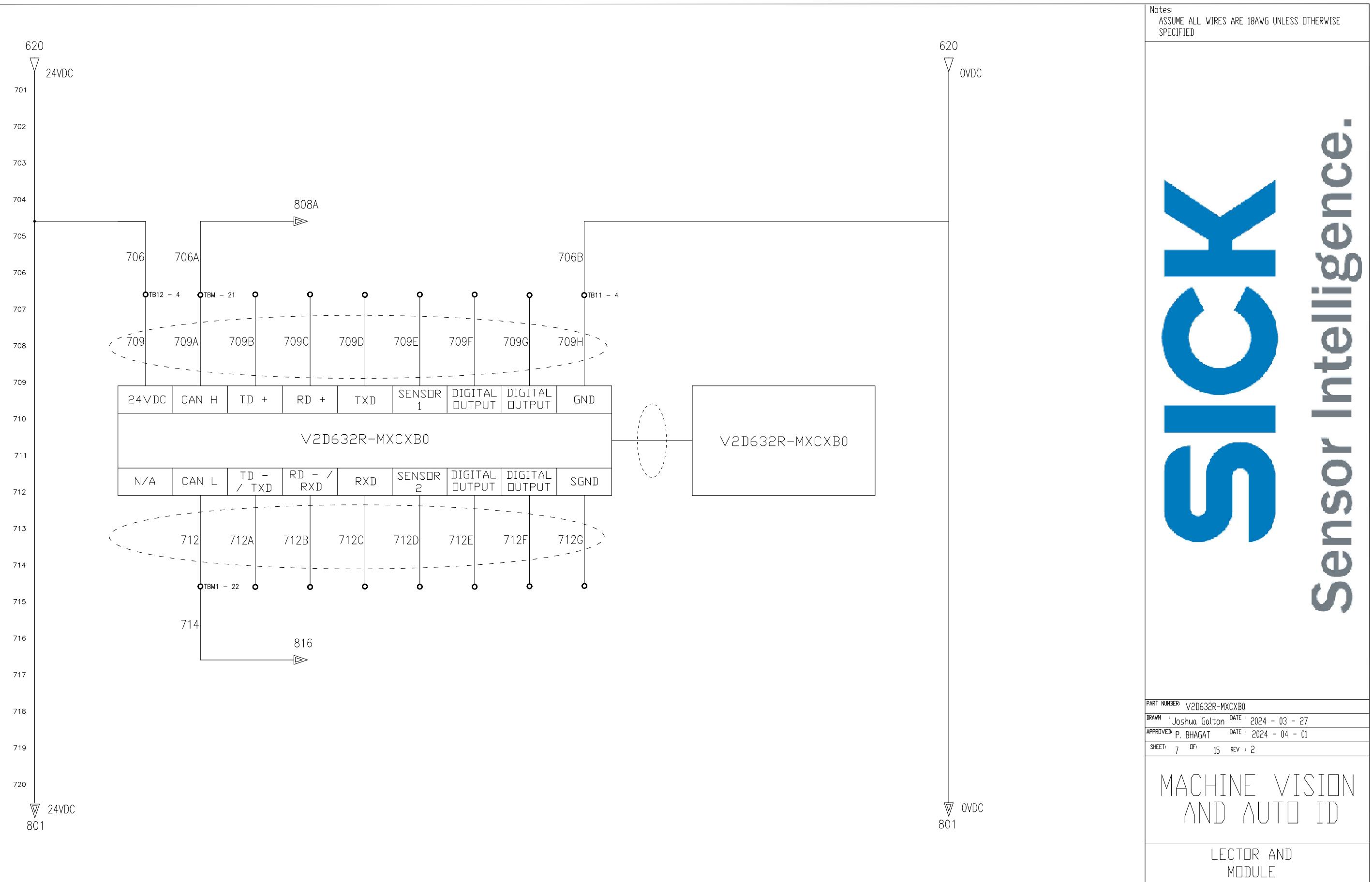
M12 - 17 PIN FEMALE CONNECTOR TO FLYING LEADS	
24VDC	BROWN
GND	BLUE
CAN H	WHITE
CAN L	GREEN
TD+	PINK
RD+	GRAY-PINK
TD- / TXD	YELLOW
RD- / RXD	RED-BLUE
TXD	BLACK
RXD	GRAY
SGND	GRAY-BROWN
SENSOR 1	VIOLET
SENSOR 2	WHITE-YELLOW
INPUT/OUTPUT	WHITE-GREEN
INPUT/OUTPUT	BROWN-GREEN
INPUT/OUTPUT	YELLOW-BROWN
INPUT/OUTPUT	WHITE-GRAY

PART NUMBER: V2D632P-2MXCXB0
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 6 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

INSPECTOR
P63X FLEX

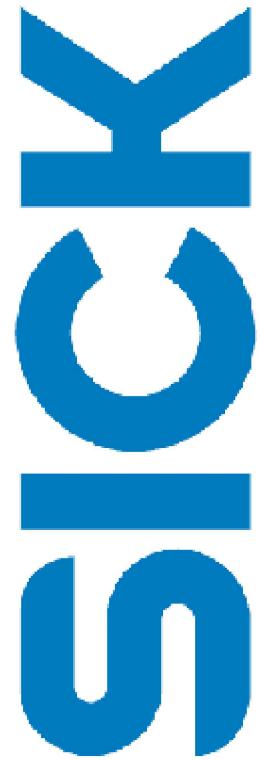




Sensor Intelligence.

SICK Sensor Intelligence.

Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED



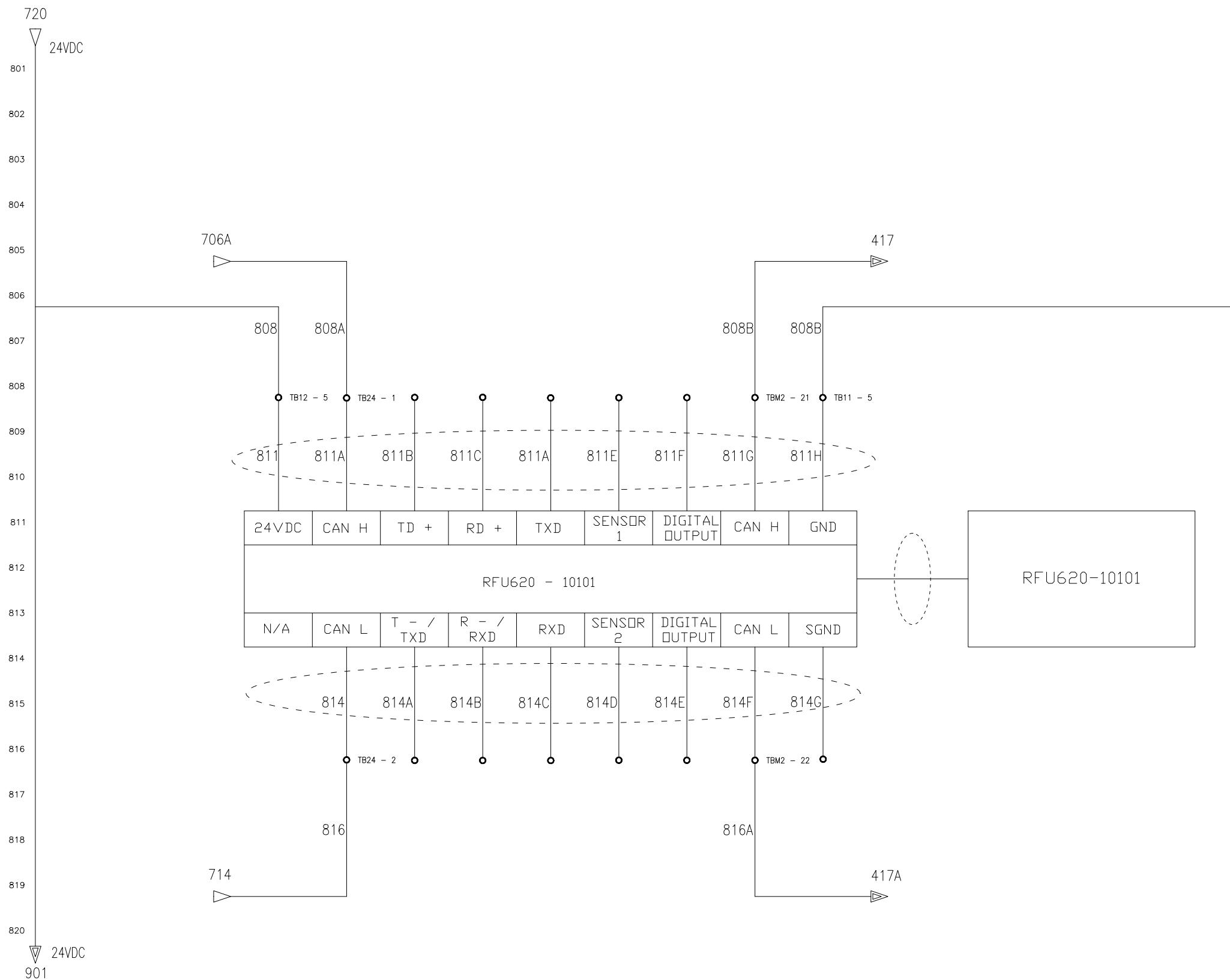
PART NUMBER: RFU620-10101
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 8 OF: 15 REV: 2

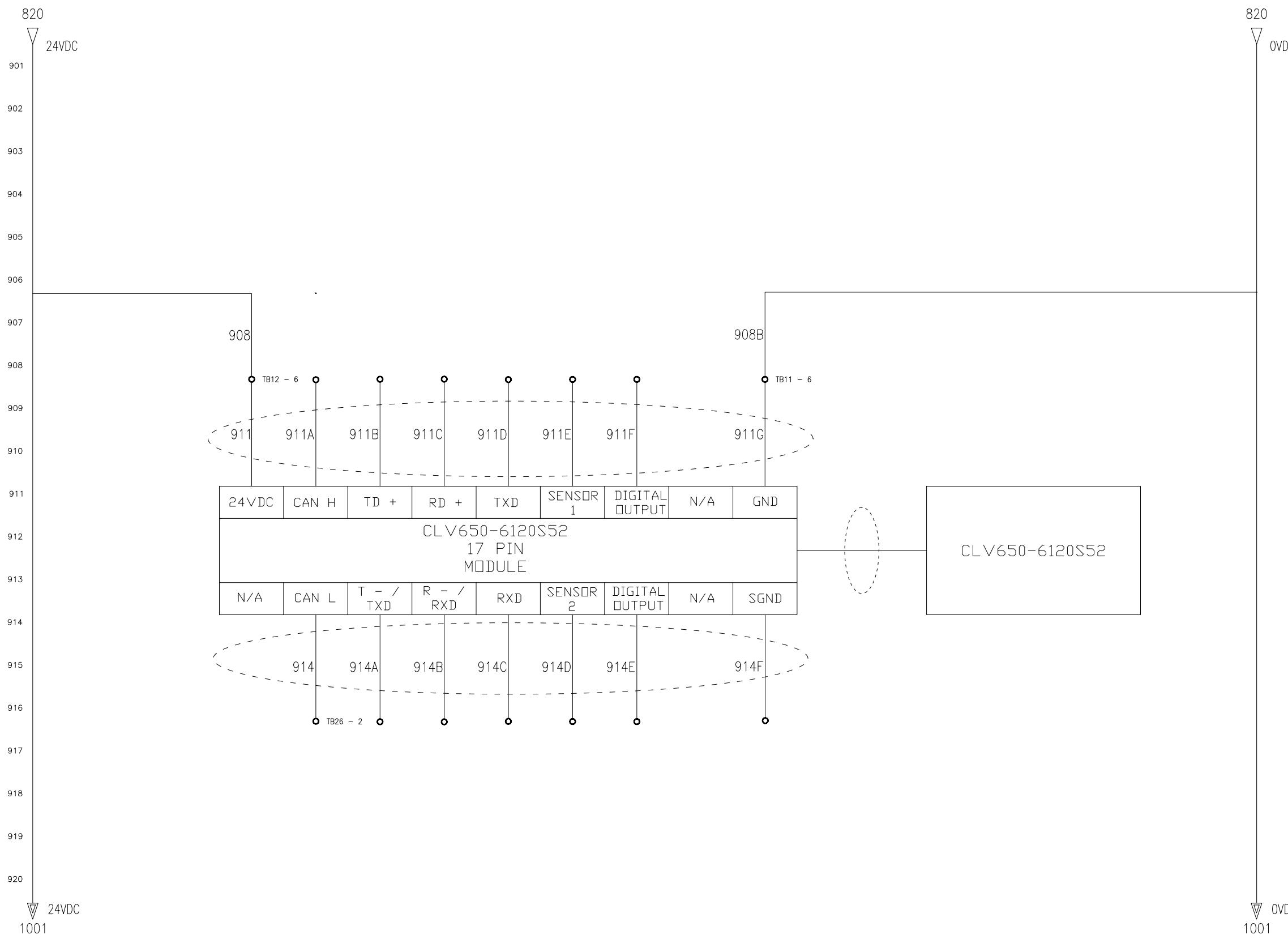
MACHINE VISION
AND AUTO ID

RFU AND
MODULE

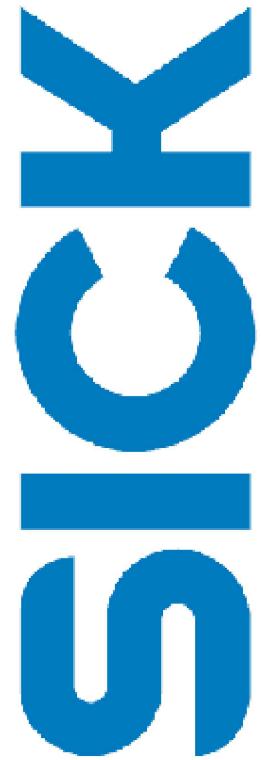
720
OVDC

901
OVDC





Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE
SPECIFIED

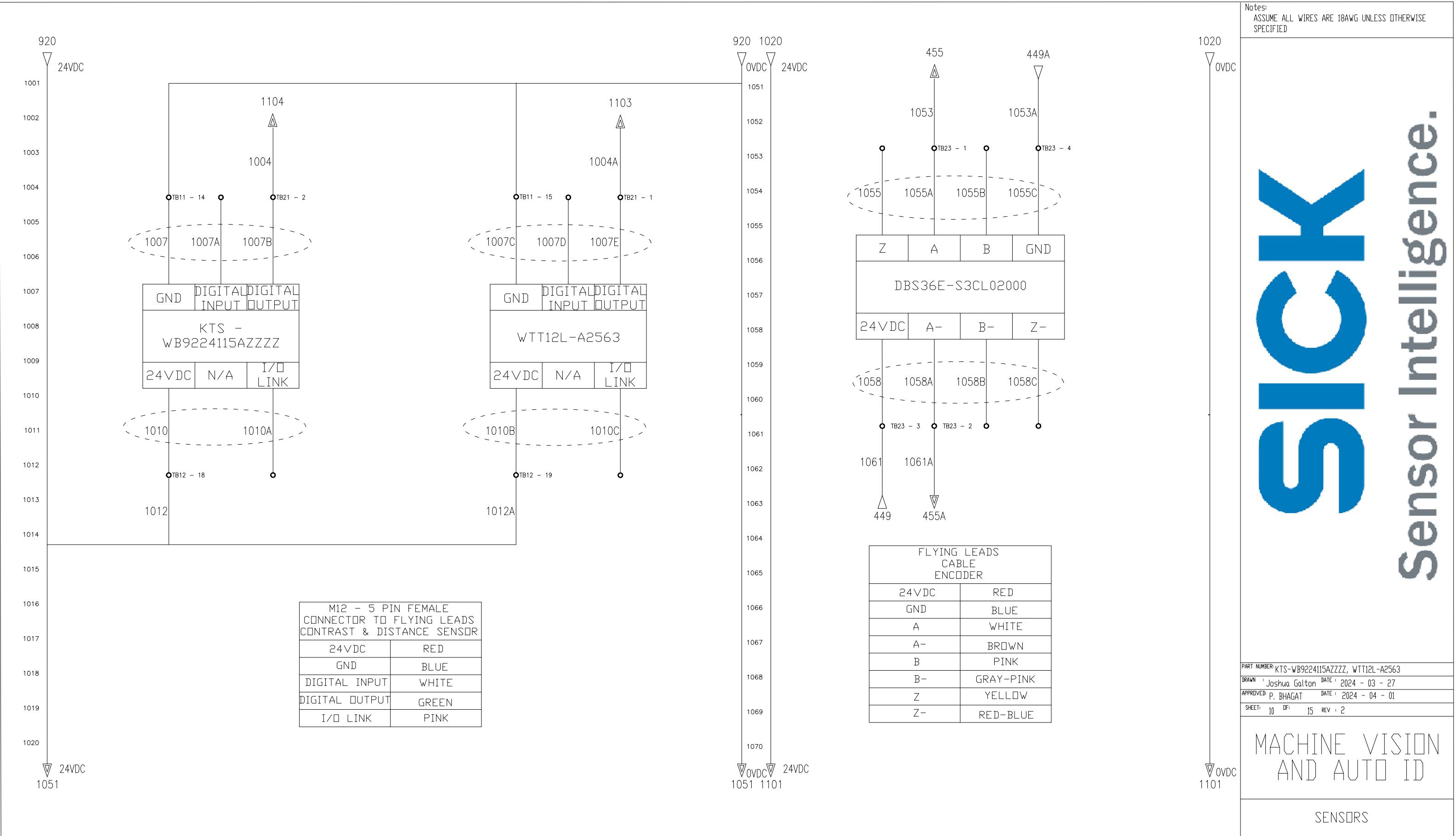


Sensor Intelligence.

ART NUMBER: CLV650-6120S52
VN : Joshua Galton DATE : 2024 - 03 - 27
PROVED: P. BHAGAT DATE : 2024 - 04 - 01
SHEET: Q DF: 15 REV : 2

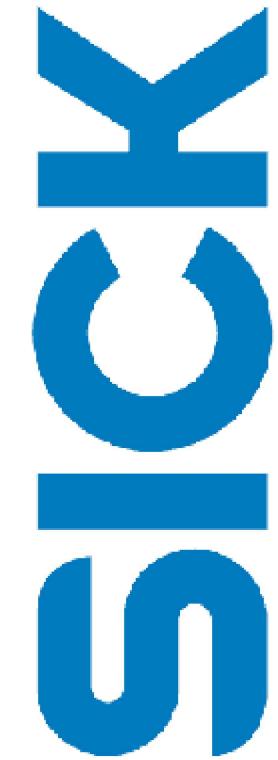
MACHINE VISION AND AUTO ID

CLV AND
MODULE



sick Sensor Intelligence.

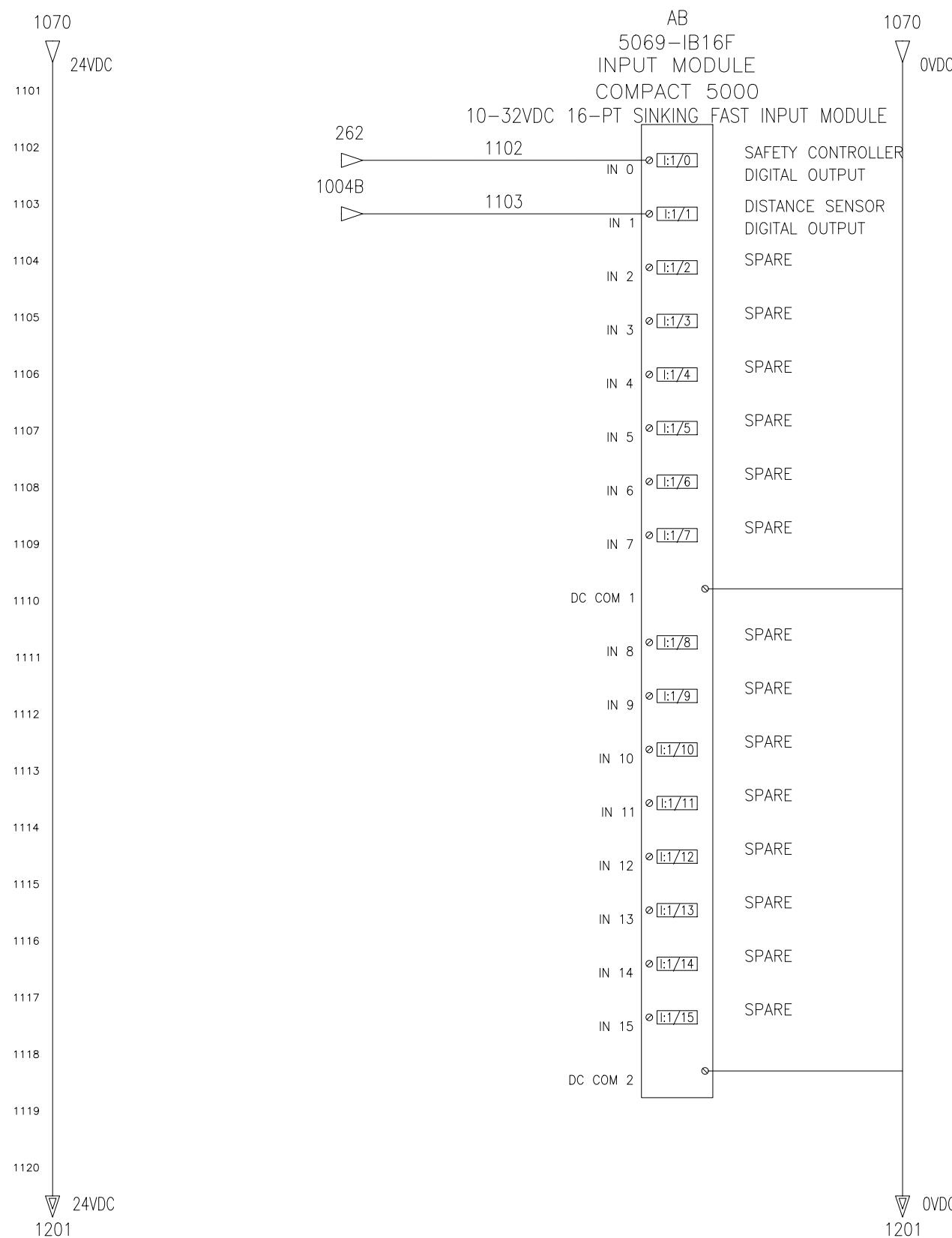
Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE
SPECIFIED



PART NUMBER: 5069 - IB16F
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 11 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

INPUT CARD



Sensor Intelligence.

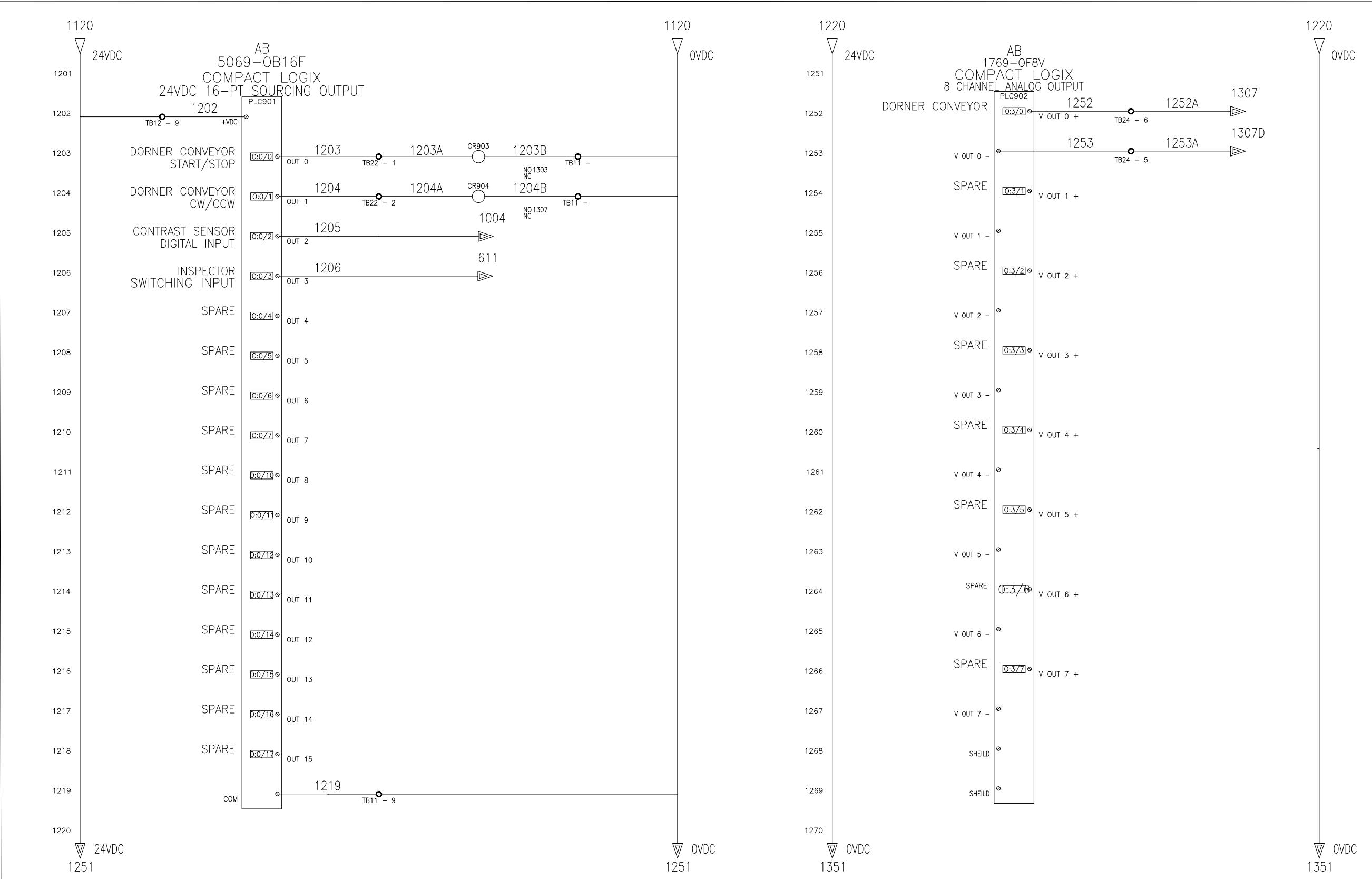


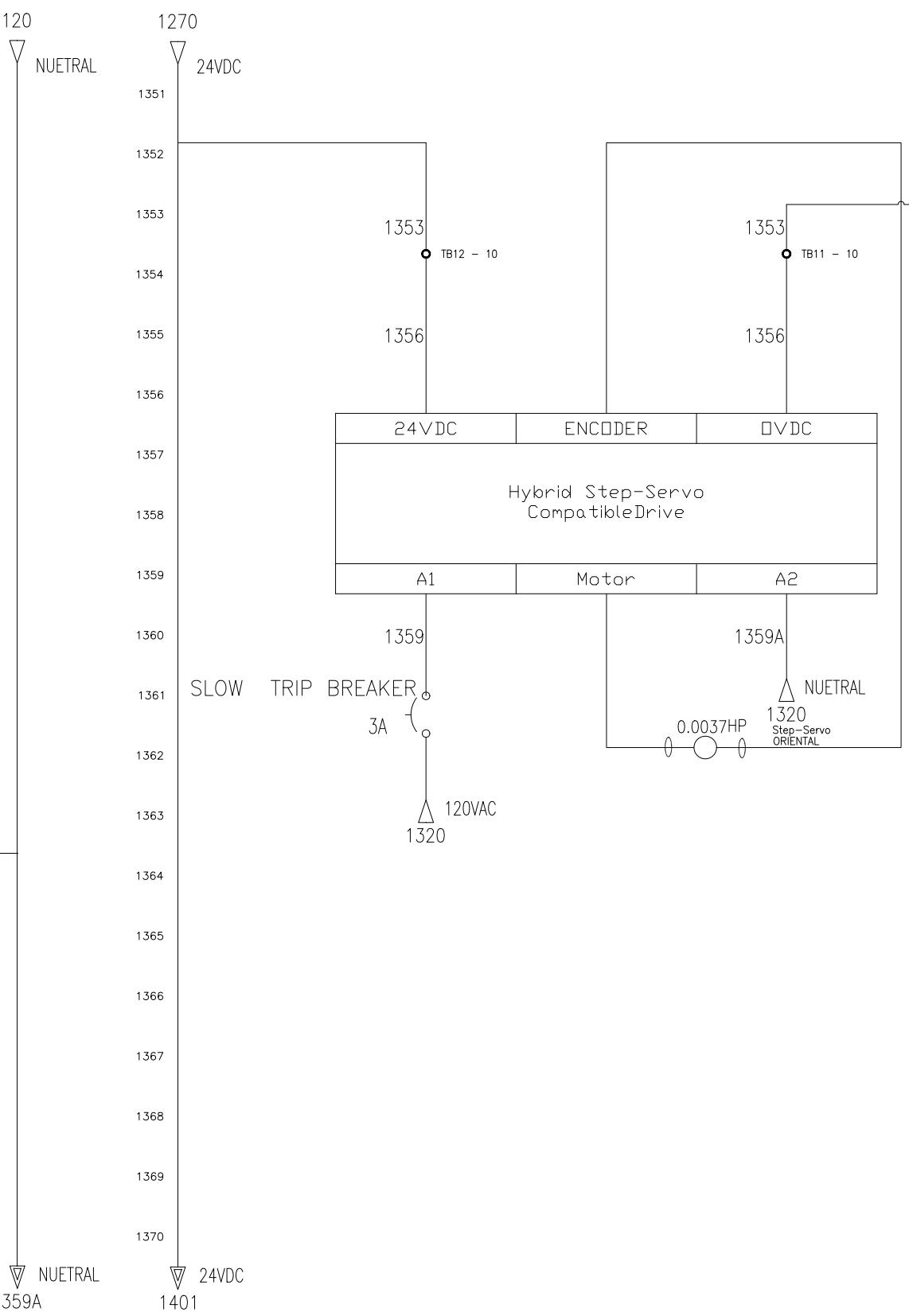
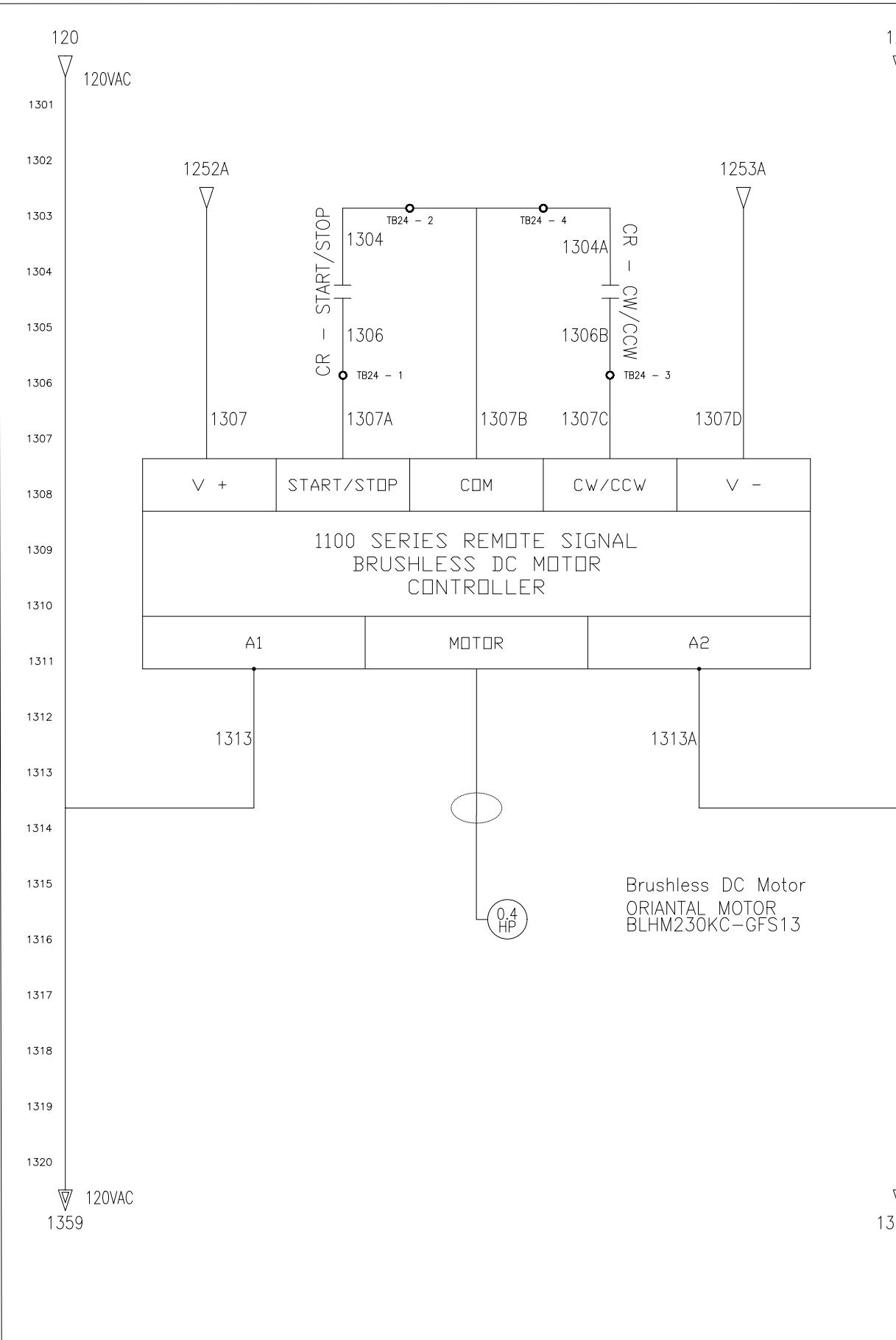
PART NUMBER: 5069 - 0B16F, 5069 - 0F8
 DRAWN : Joshua Galton DATE : 2024 - 03 - 27
 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01
 SHEET: 13 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

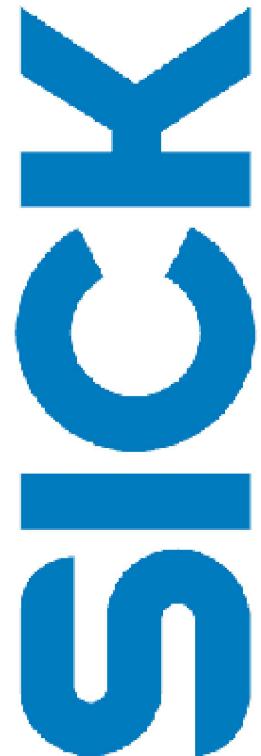
OUTPUT CARDS

Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED





Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE
SPECIFIED



Sensor Intelligence.

Part Number: 1100 Series Variable Speed Drive,
By: Joshua Galton Date: 2024 - 03 - 27
Reviewed: P. BHAGAT Date: 2024 - 04 - 01

MACHINE VISION AND AUTO ID

BRUSHLESS DC MOTORS

SICK Sensor Intelligence.



PART NUMBER: 5069-L320ER, 2715P-T12WD - B, 10x10/100/10008-Tx

DRAWN : Joshua Galton DATE : 2024 - 03 - 27

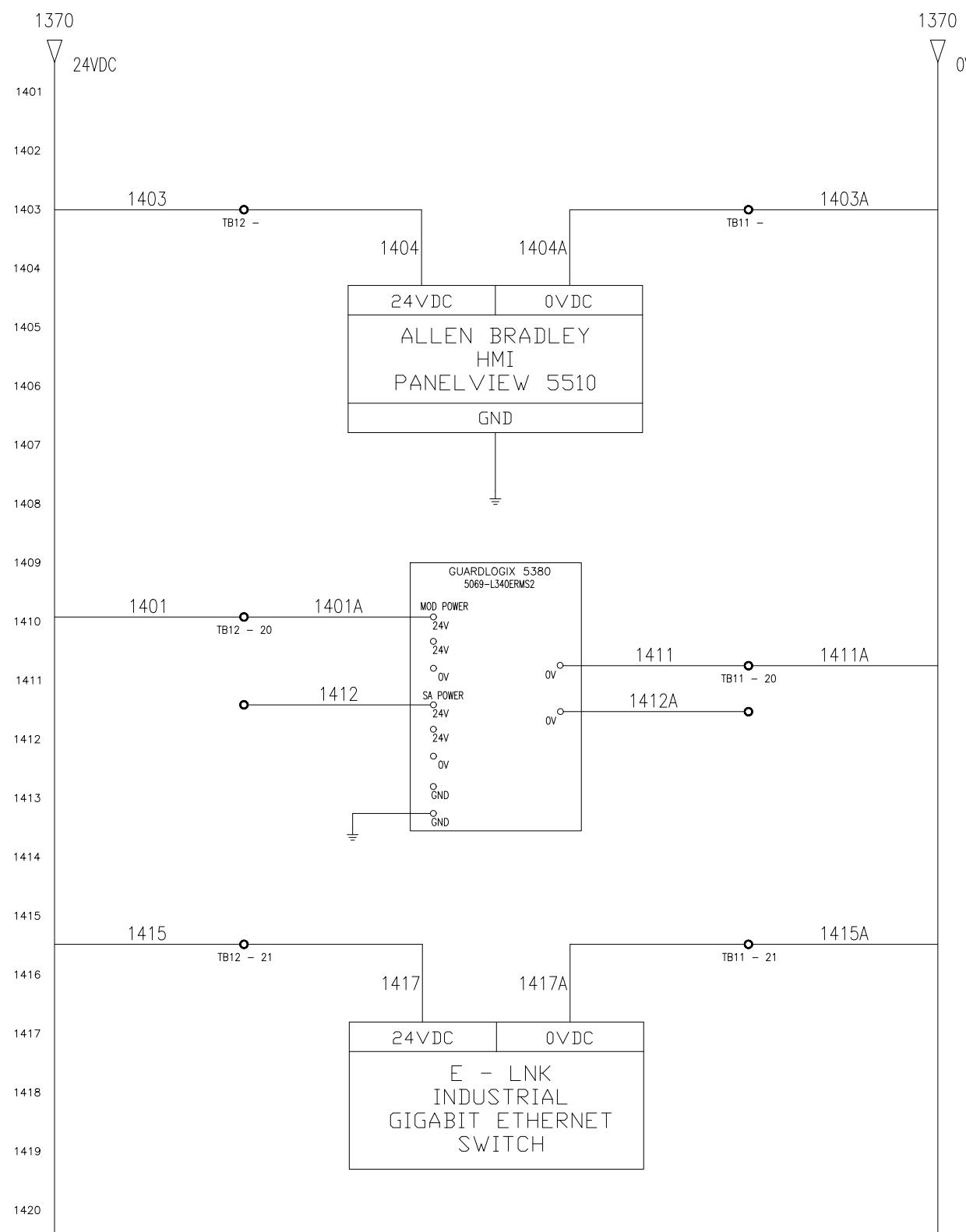
APPROVED : P. BHAGAT DATE : 2024 - 04 - 01

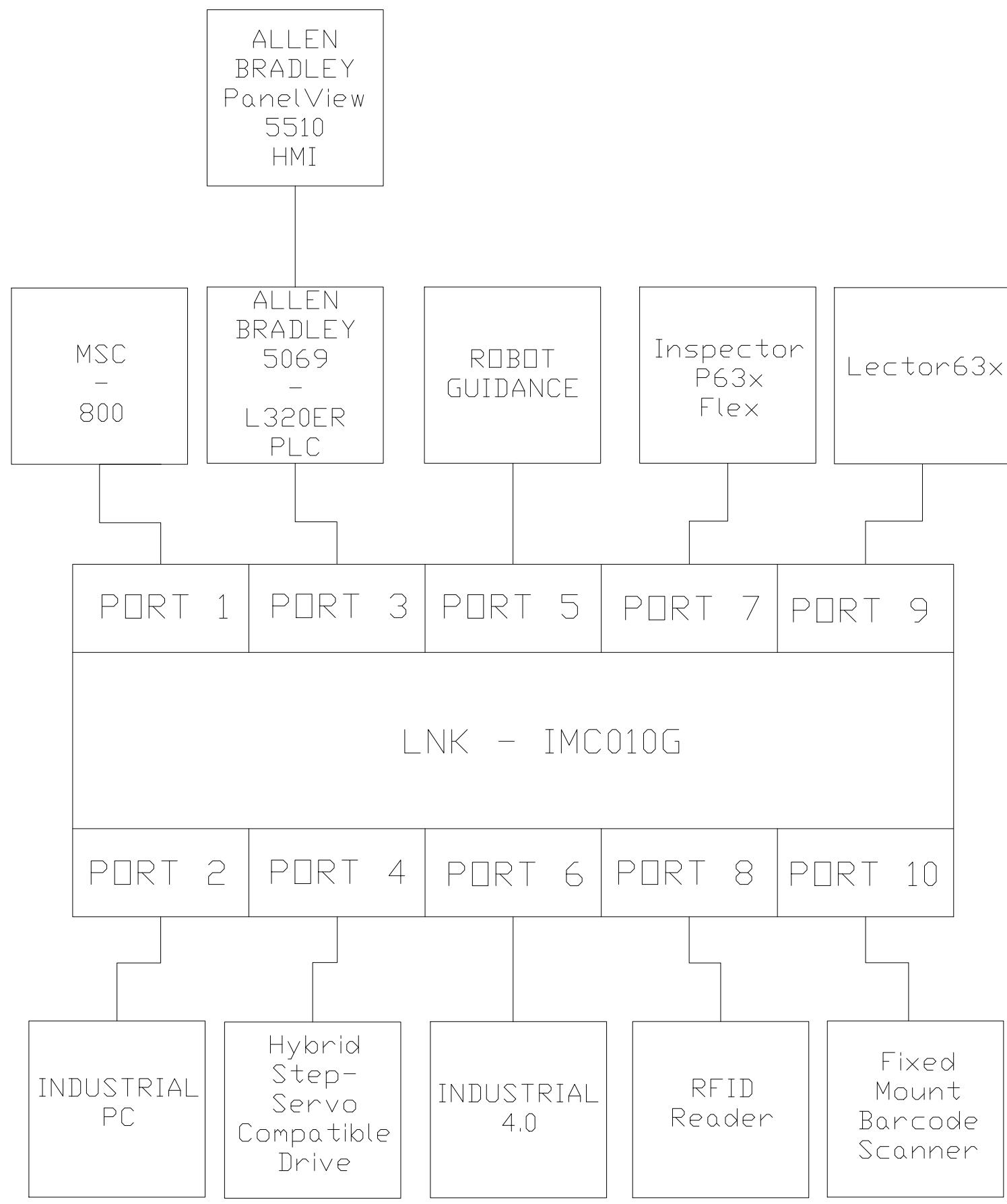
SHEET: 14 OF: 15 REV: 2

MACHINE VISION
AND AUTO ID

PLC, HMI &
ETHERNET POWER

Notes:
ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE
SPECIFIED





Notes: ASSUME ALL WIRES ARE 18AWG UNLESS OTHERWISE SPECIFIED	
SICK Sensor Intelligence.	
<small>PART NUMBER: 10x10/100/10008 - Tx DRAWN : Joshua Galton DATE : 2024 - 03 - 27 APPROVED: P. BHAGAT DATE : 2024 - 04 - 01 SHEET: 15 OF: 15 REV: 2</small>	
MACHINE VISION AND AUTO ID	
ETHERNET SWITCH	