

WIRE LEGEND AND NOTES

CONTROL WIRE GAUGE:
(ALL WIRE MUST BE UL AND VW-1 RATING)

SYMBOL – WIRE GAUGE, VOLTAGE, TYPE

A- #24 AWG, 300V, 105C, 7/32 STRANDING, UL1569
B- #22 AWG, 300V, 105C, 7/30 STRANDING, UL1569
C- #20 AWG, 600V, 105C, 10/30 STRANDING, UL1015
D- #14 AWG 600V, 105C, 41/30 STRANDING, UL1015
E- #10 AWG 600V, 105C, 105/30 STRANDING, UL1015
F- #24 AWG, 300V 80C, 4 CONDUCTOR CABLE, UL2464,
7x32 STRANDING, BLK/WHT/RED/GRN
G- #24 AWG, 600V, 105C, TWISTED PAIR, RED/WHT, 105C, UL1015
H- #16 AWG, 300V, 105C, 26/30 STRANDING, UL1569
I- #14 AWG, 300V, 105C, 41/30 STRANDING, 0.110 NOM ID, UL1569
J- #20 AWG, 300V, 105C, 10/30 STRANDING, UL1569

WIRE REFERENCE NUMBER PREFIX

N - CONTROL/SIGNAL WIRE
H - 10 AWG WIRE
F - FIBER CABLE
C - MULTI-CONDUCTOR CABLE
R - RIBBON CABLE
P - POWER WIRE (#2 AND UP)
FB – FLEXIBUS
HB – HARD BUS

WIRE COLORS, CONTROL WIRE:

1.BRN 2.RED 3.ORN 4.YEL
5.GRN 6.BLU 7.VIO 8.GRY
9.WHT 10.BLK

WIRE COLORS POWER - ALL VOLTAGES

A-BRN B-ORN C- YEL

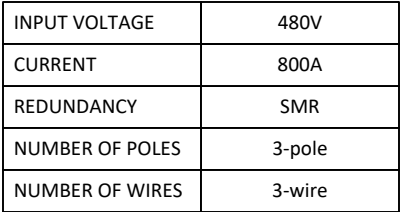
MTA PLUG COLORS

WHITE FOR A WIRE
RED FOR B WIRE
YELLOW FOR J WIRE



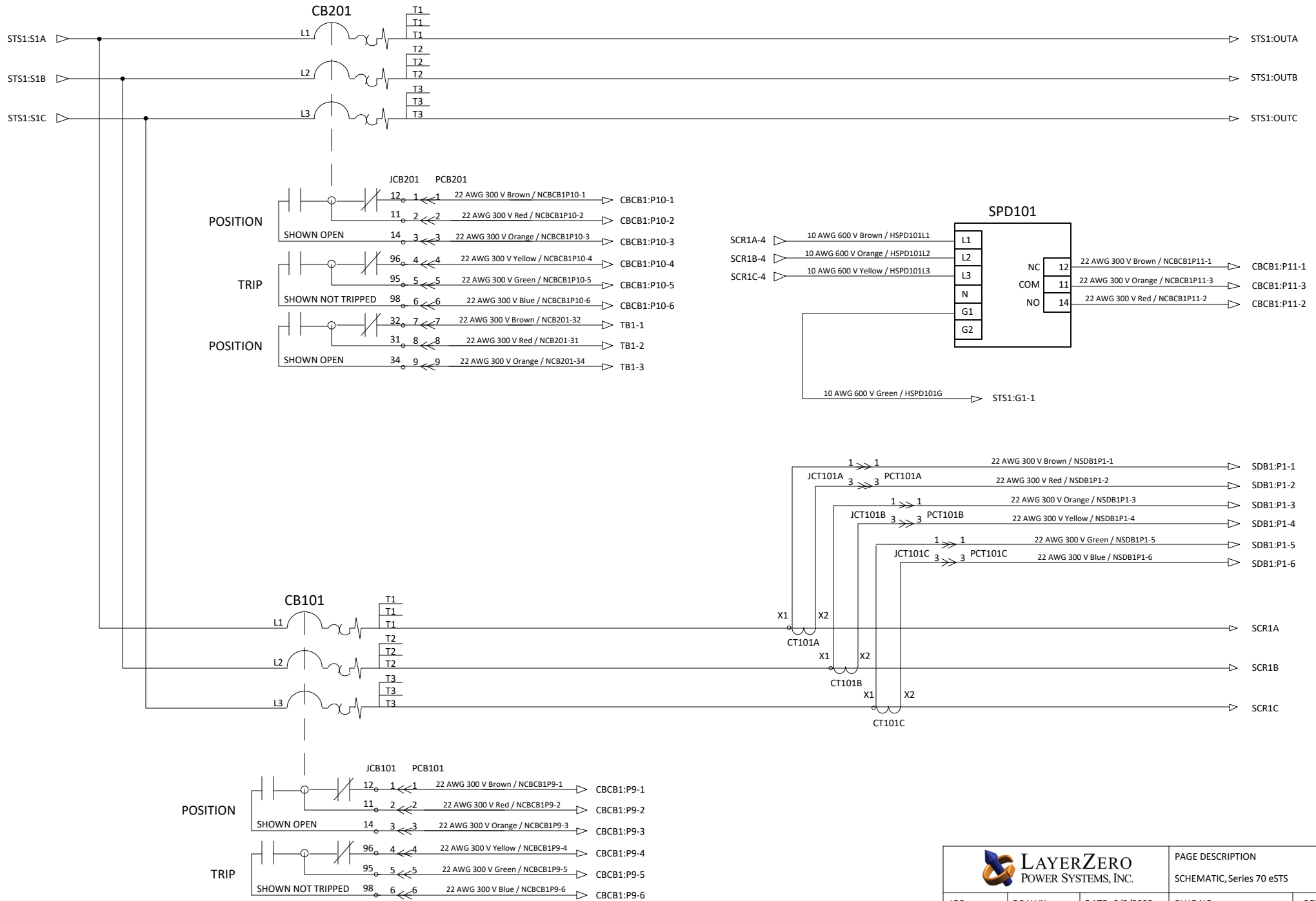
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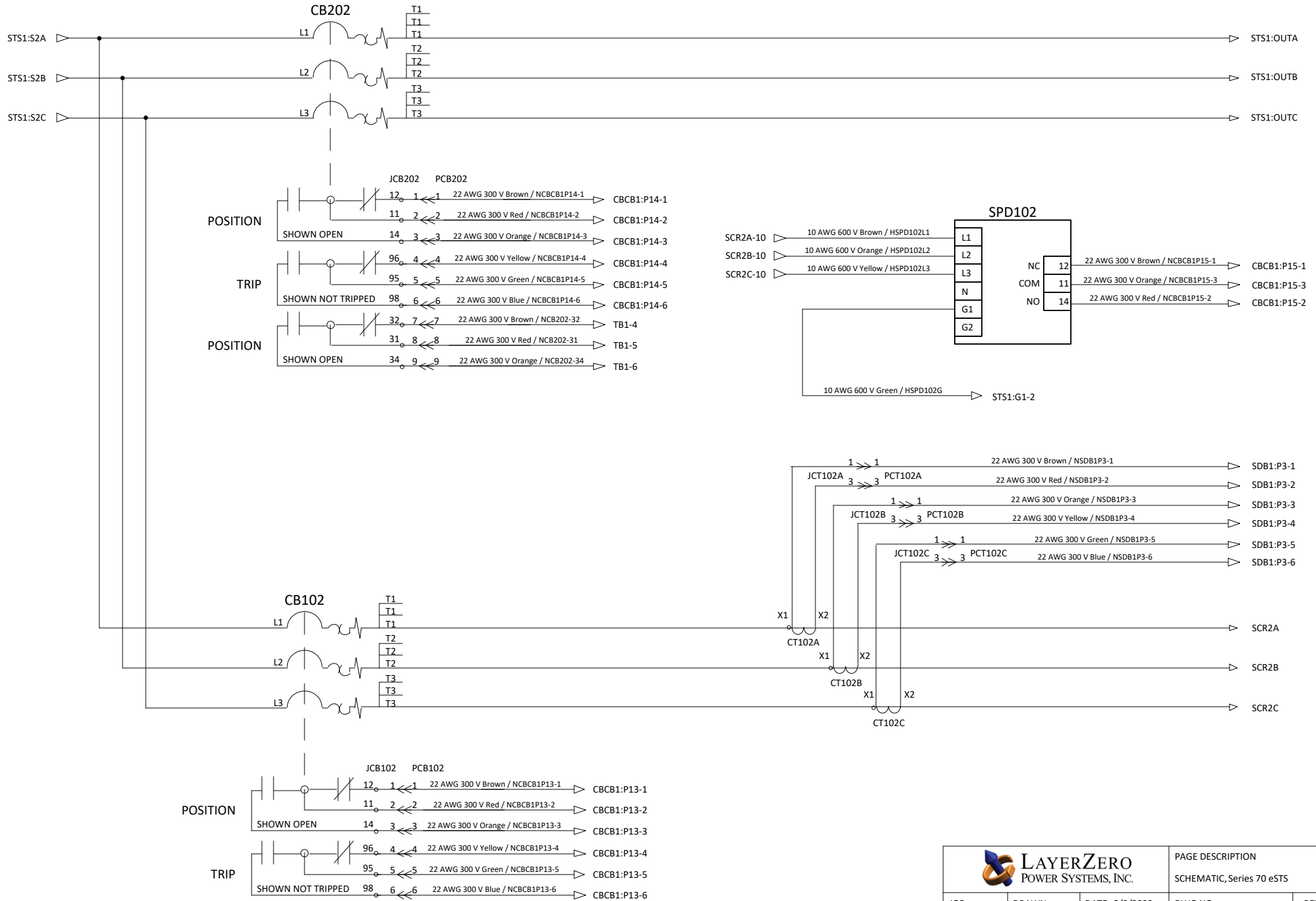
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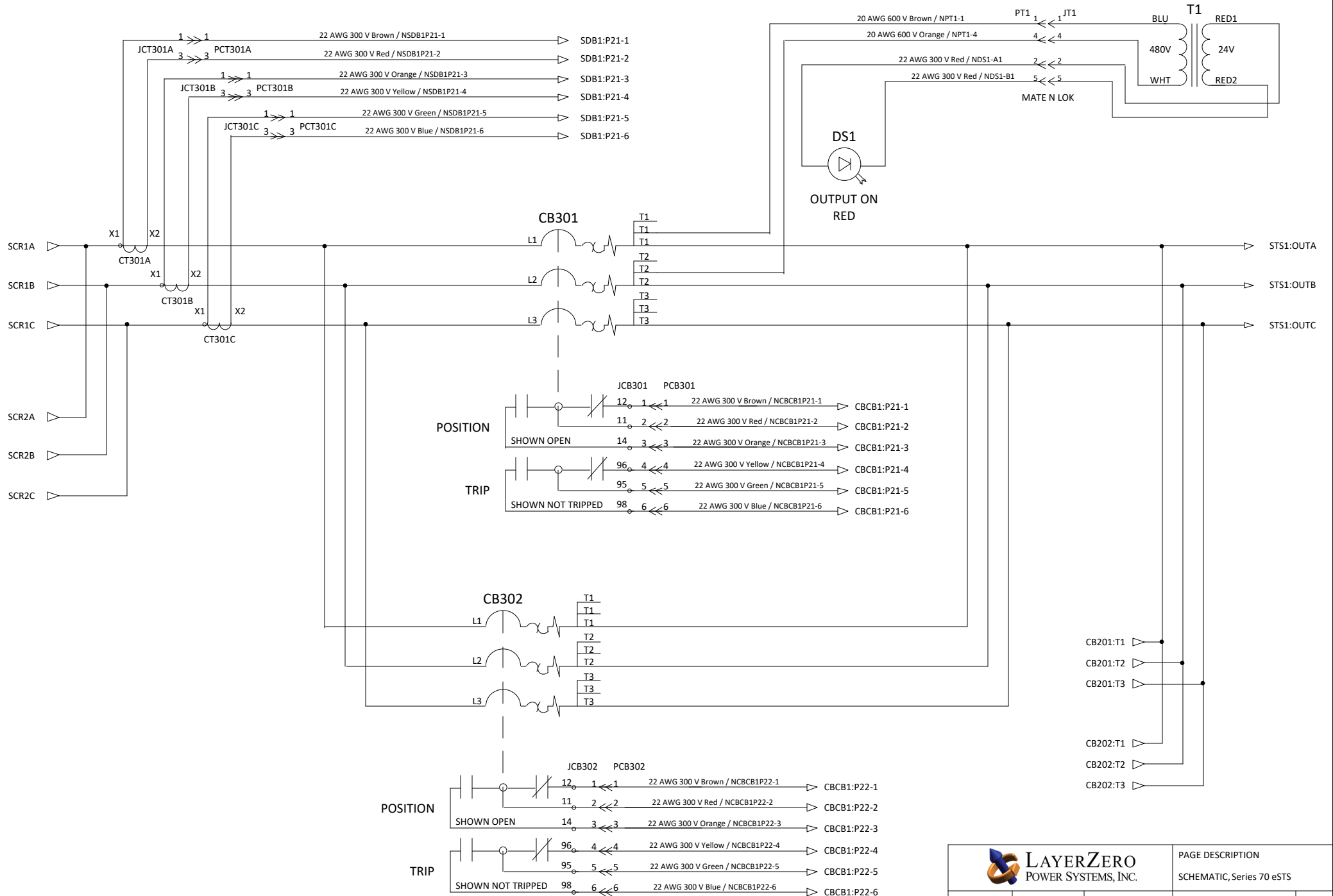


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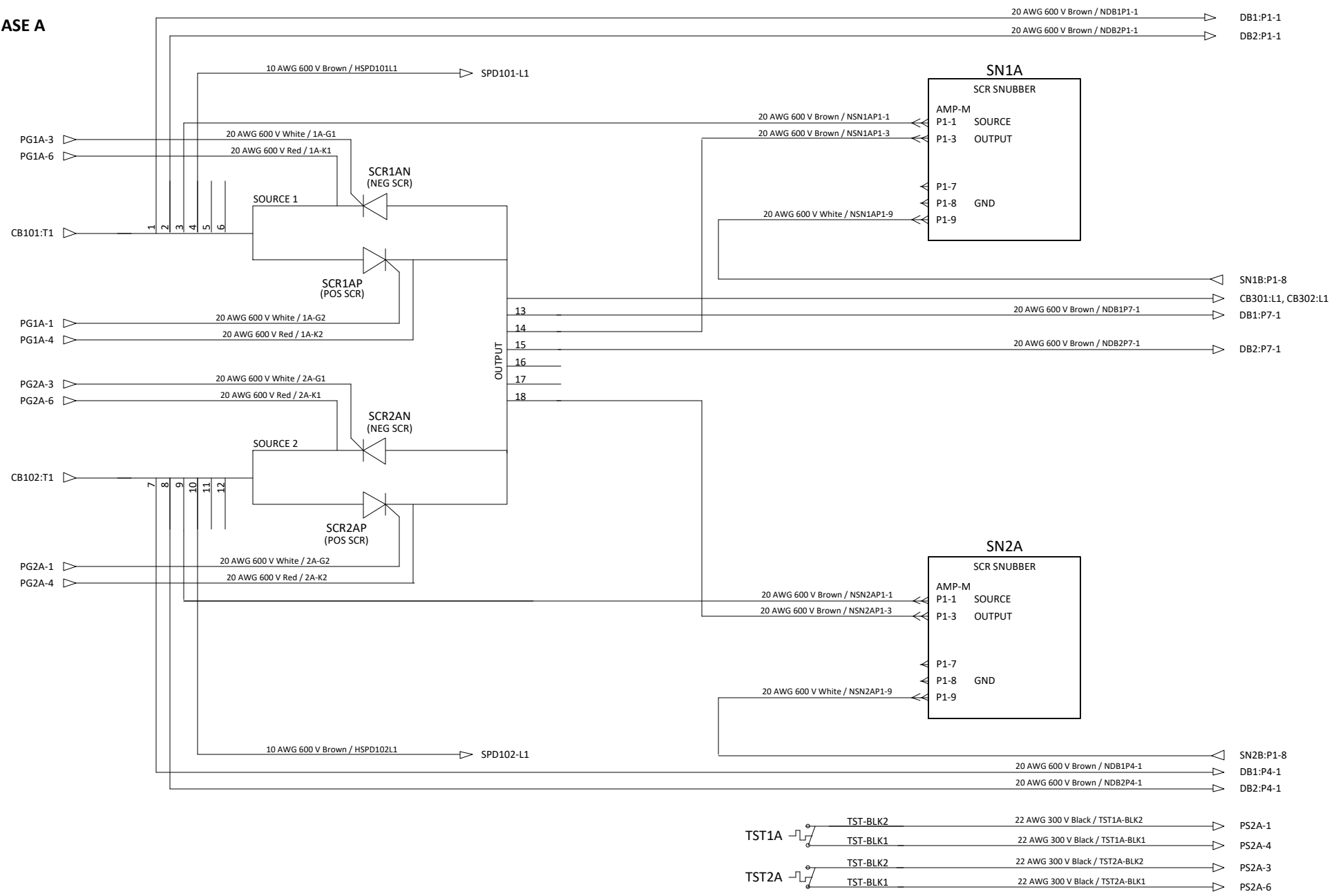


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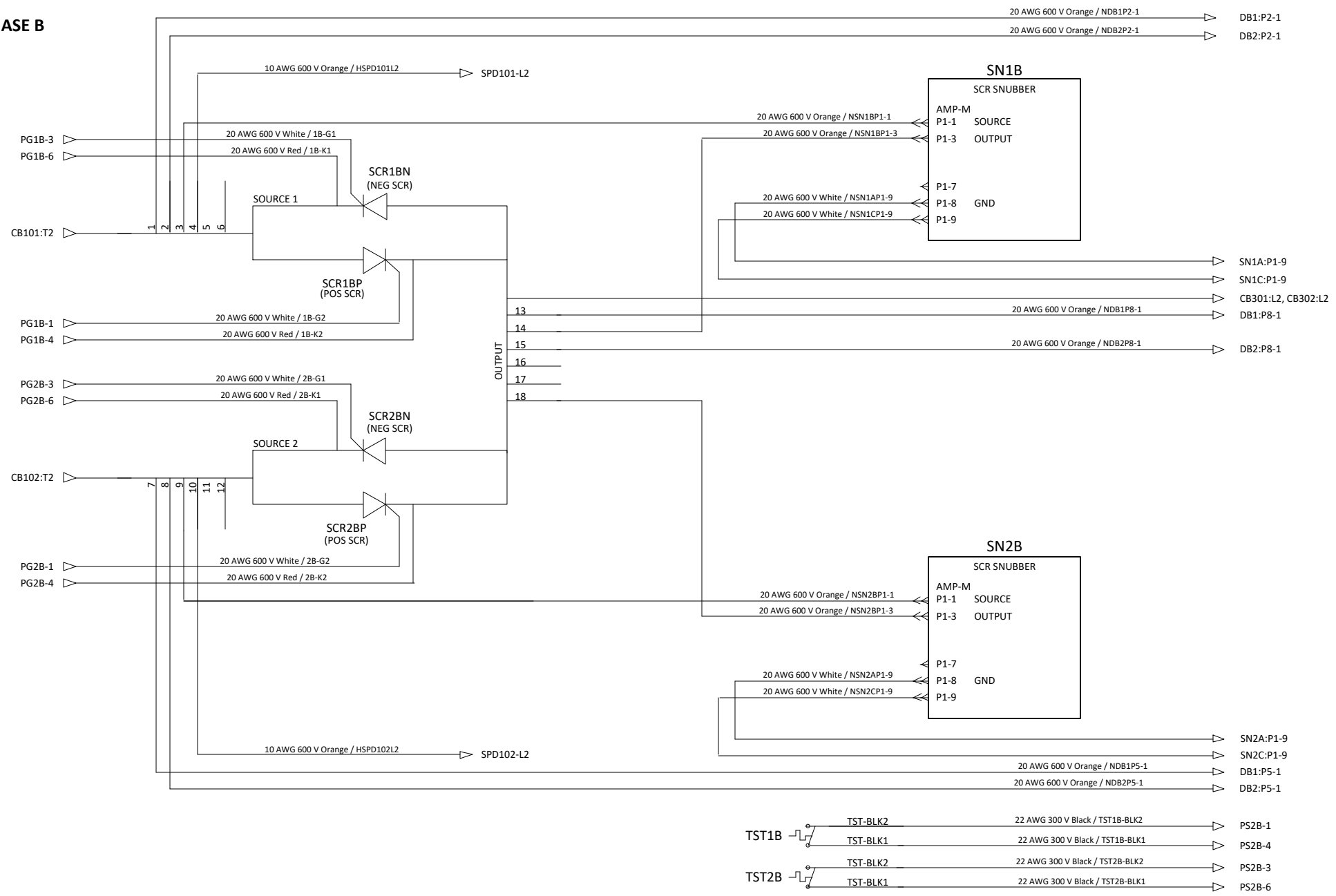
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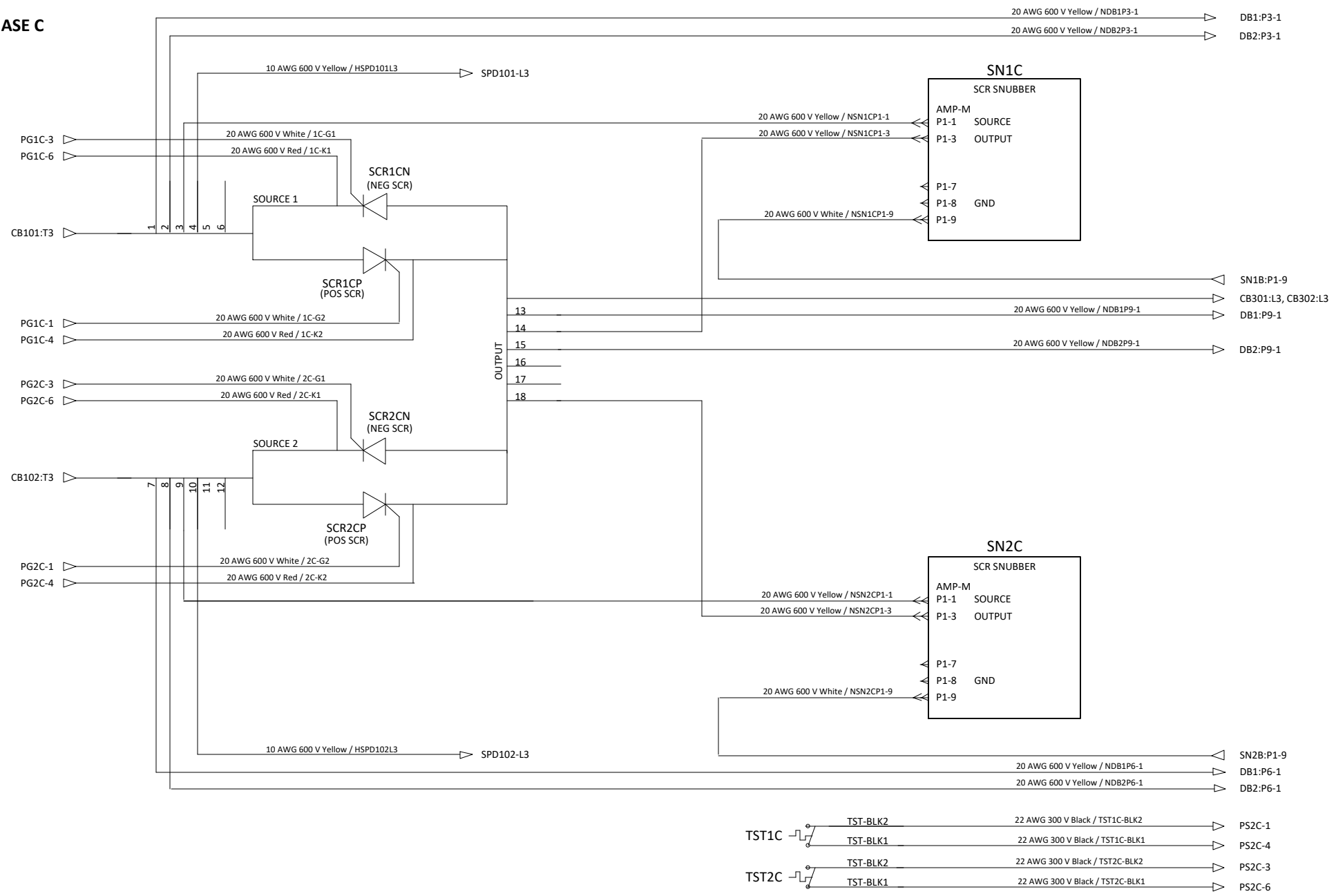
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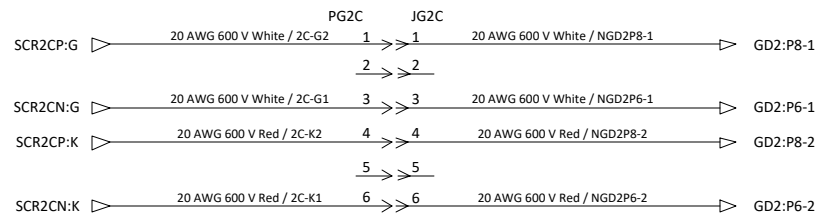
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PIN TERMINALS

PLUG HOUSING
SOCKET TERMINALS



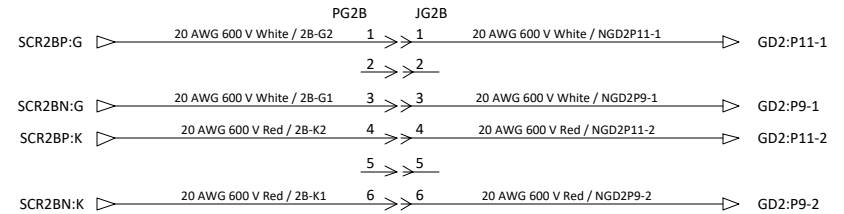
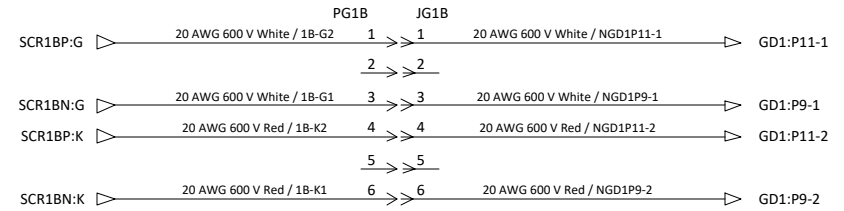
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PLUG HOUSING
SOCKET TERMINALS



SHELL HOUSING
PIN TERMINALS

PLUG HOUSING
SOCKET TERMINALS

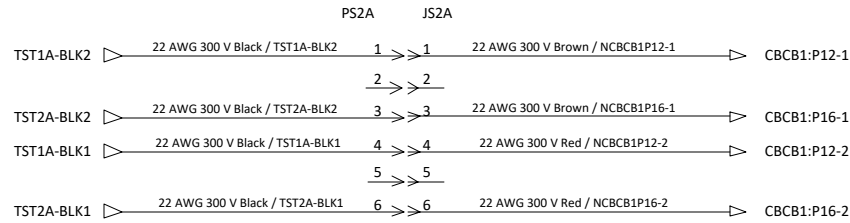


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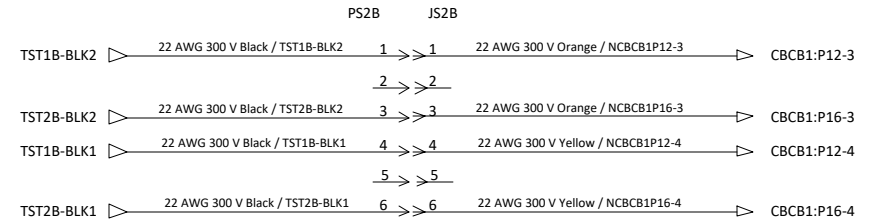
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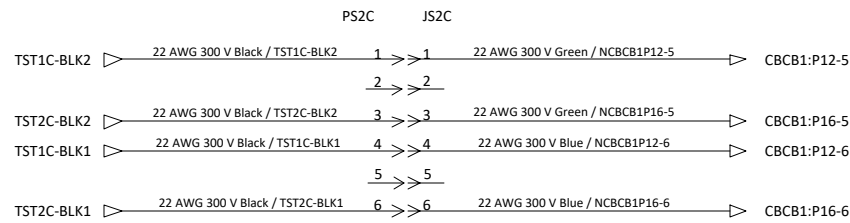
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PLUG HOUSING
SOCKET TERMINALS



SHELL HOUSING
PIN TERMINALS

PLUG HOUSING
SOCKET TERMINALS



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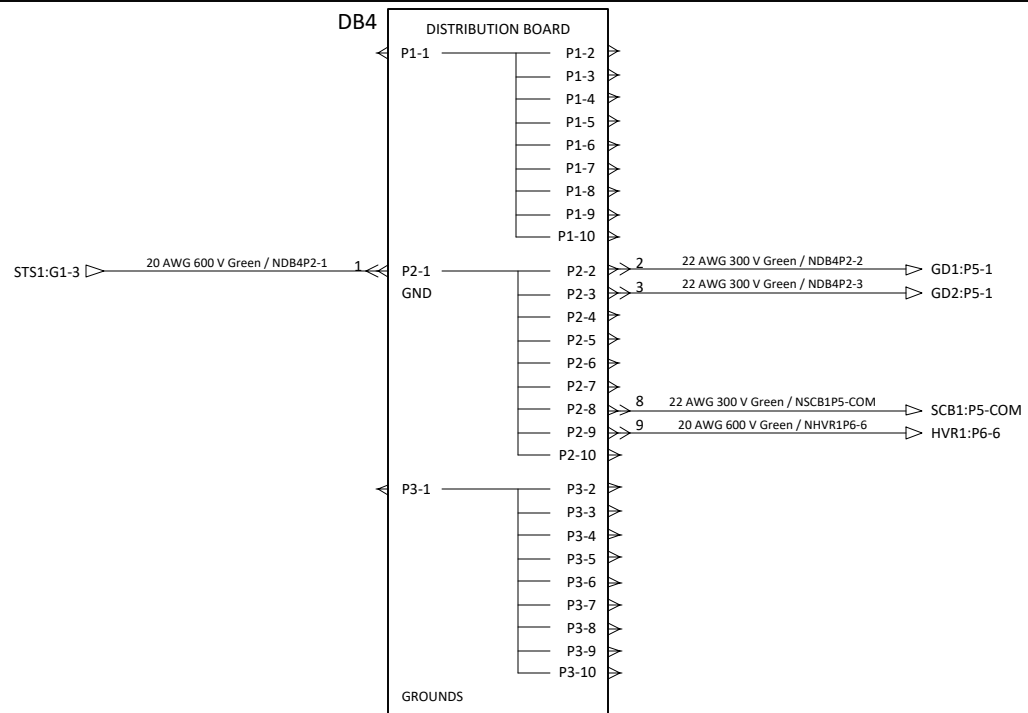
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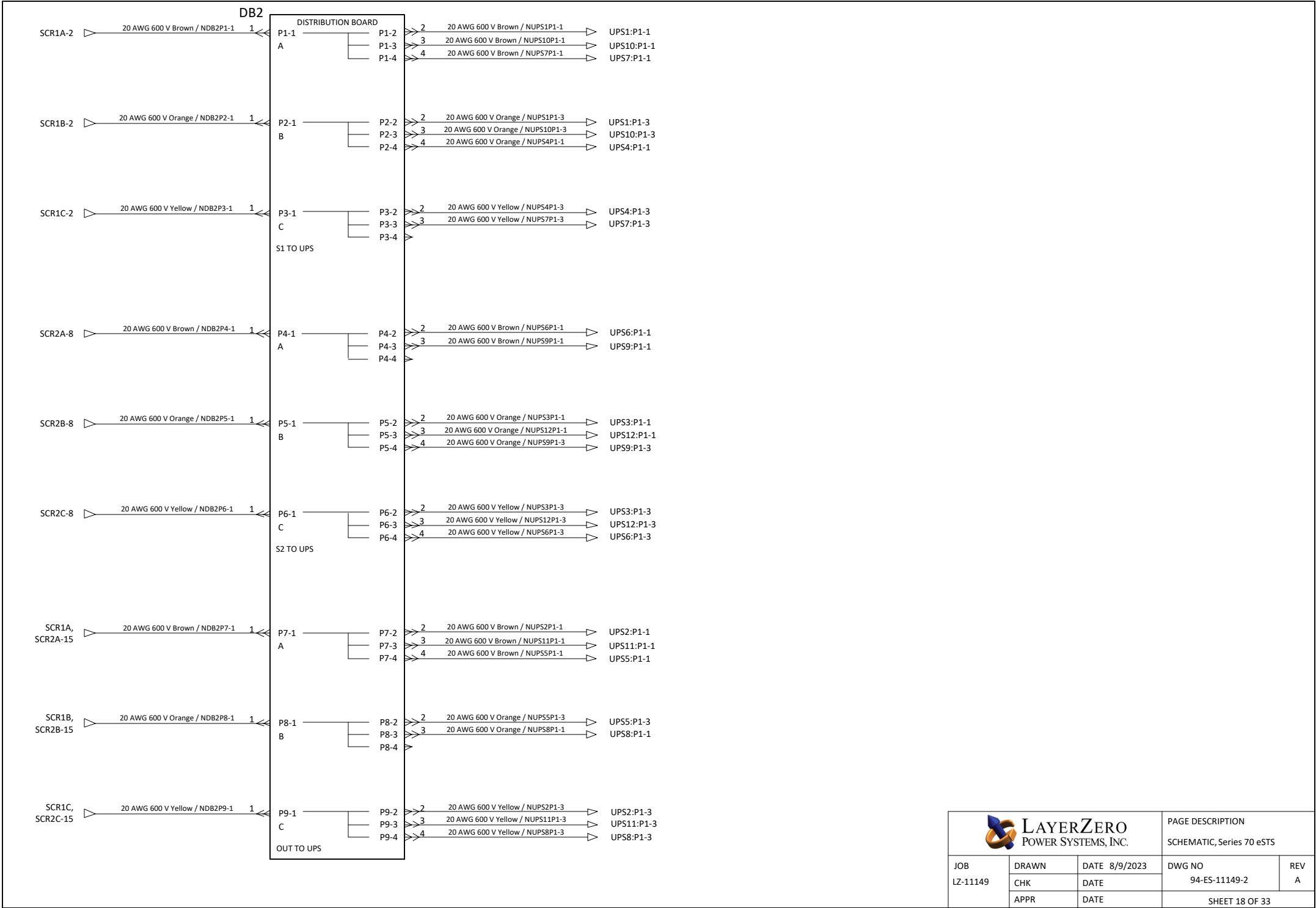
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LAYERZERO

POWER SYSTEMS, INC.

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PAGE DESCRIPTION

SCHEMATIC, Series 70 eSTS

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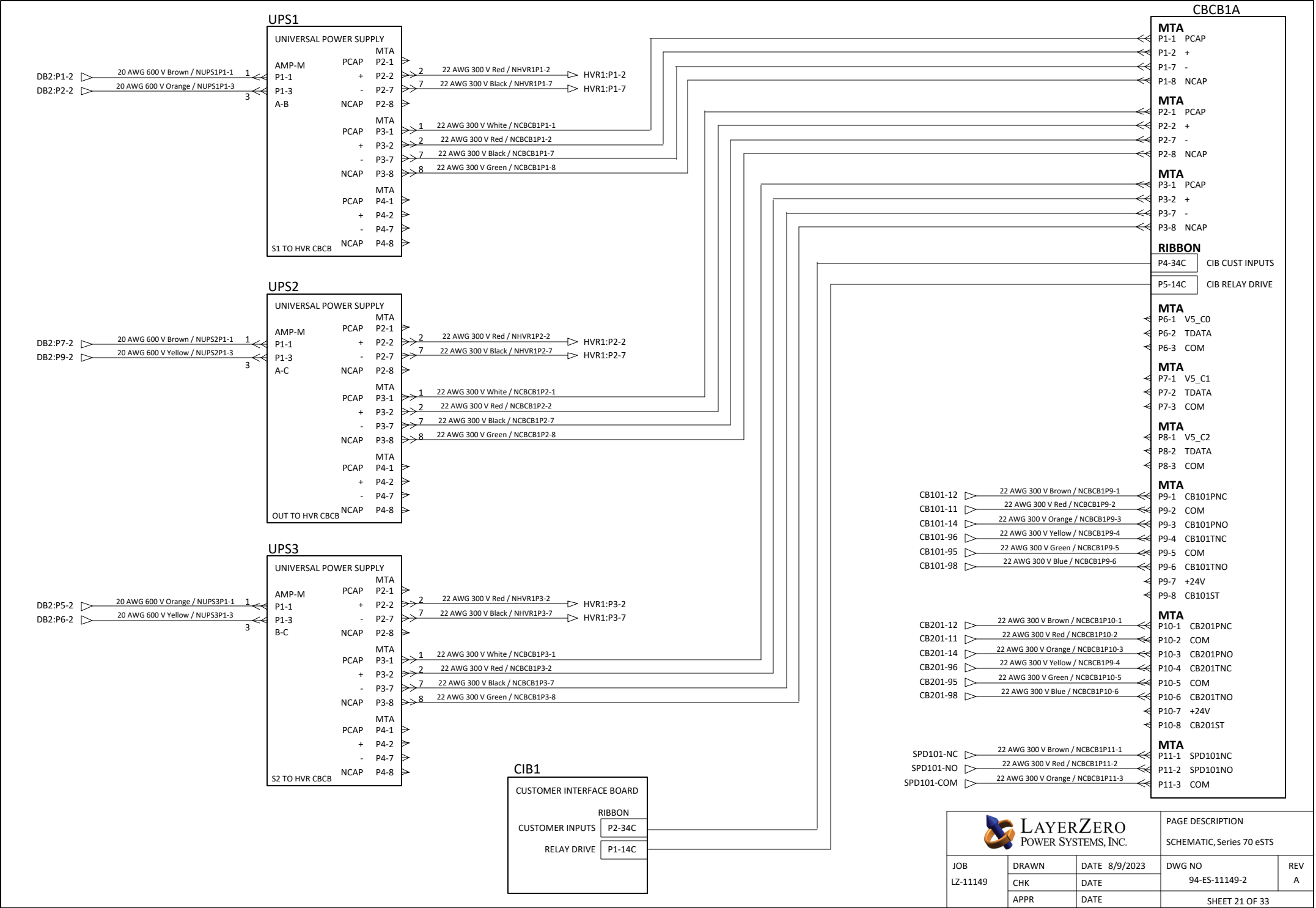
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CBCB1B

JS2A-1	22 AWG 300 V Brown / NCBCB1P12-1	MTA	P12-1	TST101A
JS2A-4	22 AWG 300 V Red / NCBCB1P12-2	MTA	P12-2	COM
JS2B-1	22 AWG 300 V Orange / NCBCB1P12-3	MTA	P12-3	TST101B
JS2B-4	22 AWG 300 V Yellow / NCBCB1P12-4	MTA	P12-4	COM
JS2C-1	22 AWG 300 V Green / NCBCB1P12-5	MTA	P12-5	TST101C
JS2C-4	22 AWG 300 V Blue / NCBCB1P12-6	MTA	P12-6	COM
		MTA	P12-7	TST101N
		MTA	P12-8	COM
CB102-12	22 AWG 300 V Brown / NCBCB1P13-1	MTA	P13-1	CB102PNC
CB102-11	22 AWG 300 V Red / NCBCB1P13-2	MTA	P13-2	COM
CB102-14	22 AWG 300 V Orange / NCBCB1P13-3	MTA	P13-3	CB102PNO
CB102-96	22 AWG 300 V Yellow / NCBCB1P13-4	MTA	P13-4	CB102TNC
CB102-95	22 AWG 300 V Green / NCBCB1P13-5	MTA	P13-5	COM
CB102-98	22 AWG 300 V Blue / NCBCB1P13-6	MTA	P13-6	CB102TNO
		MTA	P13-7	+24V
		MTA	P13-8	CB102ST
CB202-12	22 AWG 300 V Brown / NCBCB1P14-1	MTA	P14-1	CB202PNC
CB202-11	22 AWG 300 V Red / NCBCB1P14-2	MTA	P14-2	COM
CB202-14	22 AWG 300 V Orange / NCBCB1P14-3	MTA	P14-3	CB202PNO
CB202-96	22 AWG 300 V Yellow / NCBCB1P14-4	MTA	P14-4	CB202TNC
CB202-95	22 AWG 300 V Green / NCBCB1P14-5	MTA	P14-5	COM
CB202-98	22 AWG 300 V Blue / NCBCB1P14-6	MTA	P14-6	CB202TNO
		MTA	P14-7	+24V
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SPD102-NC	22 AWG 300 V Brown / NCBCB1P15-1	MTA	P15-1	SPD102NC
SPD102-NO	22 AWG 300 V Red / NCBCB1P15-2	MTA	P15-2	SPD102NO
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JS2A-6	22 AWG 300 V Red / NCBCB1P16-2	MTA	P16-2	COM
JS2B-3	22 AWG 300 V Orange / NCBCB1P16-3	MTA	P16-3	TST102B
JS2B-6	22 AWG 300 V Yellow / NCBCB1P16-4	MTA	P16-4	COM
JS2C-3	22 AWG 300 V Green / NCBCB1P16-5	MTA	P16-5	TST102C
JS2C-6	22 AWG 300 V Blue / NCBCB1P16-6	MTA	P16-6	COM
		MTA	P16-7	TST102N
		MTA	P16-8	COM
		MTA	P17-1	CB103PNC
		MTA	P17-2	COM
		MTA	P17-3	CB103PNO
		MTA	P17-4	CB103TNC
		MTA	P17-5	COM
		MTA	P17-6	CB103TNO
		MTA	P17-7	+24V
		MTA	P17-8	CB103ST
		MTA	P18-1	CB203PNC
		MTA	P18-2	COM
		MTA	P18-3	CB203PNO
		MTA	P18-4	CB203TNC
		MTA	P18-5	COM
		MTA	P18-6	CB203TNO
		MTA	P18-7	+24V
		MTA	P18-8	CB203ST
		MTA	P19-1	SPD103NC
		MTA	P19-2	SPD103NO
		MTA	P19-3	COM

CBCB1C

CB301-12	22 AWG 300 V Brown / NCBCB1P21-1	MTA	P21-1	CB301PNC
CB301-11	22 AWG 300 V Red / NCBCB1P21-2	MTA	P21-2	COM
CB301-14	22 AWG 300 V Orange / NCBCB1P21-3	MTA	P21-3	CB301PNO
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CB302-11	22 AWG 300 V Red / NCBCB1P22-2	MTA	P22-2	COM
CB302-14	22 AWG 300 V Orange / NCBCB1P22-3	MTA	P22-3	CB302PNO
CB302-96	22 AWG 300 V Yellow / NCBCB1P22-4	MTA	P22-4	CB302TNC
CB302-95	22 AWG 300 V Green / NCBCB1P22-5	MTA	P22-5	COM
CB302-98	22 AWG 300 V Blue / NCBCB1P22-6	MTA	P22-6	CB302TNO
		MTA	P23-1	CBSP1PNC
		MTA	P23-2	COM
		MTA	P23-3	CBSP1PNO
		MTA	P23-4	CBSP1TNC
		MTA	P23-5	COM
		MTA	P23-6	CBSP1TNO
		MTA	P23-7	+24V
		MTA	P23-8	CBSP1ST
		MTA	P24-1	CBSP2PNC
		MTA	P24-2	COM
		MTA	P24-3	CBSP2PNO
		MTA	P24-4	CBSP2TNC
		MTA	P24-5	COM
		MTA	P24-6	CBSP2TNO
		MTA	P24-7	+24V
		MTA	P24-8	CBSP2ST
		MTA	P48-1	+12V
		MTA	P48-2	COM
		MTA	P49-1	FSS1-NO
		MTA	P49-2	COM
		MTA	P49-3	FSS1-NC
		MTA	P49-4	COM
		MTA	P50-1	+12V
		MTA	P50-2	COM
		MTA	P51-1	FSS2-NO
		MTA	P51-2	COM
		MTA	P51-3	FSS2-NC
		MTA	P51-4	COM
		MTA	P52-1	+12V
		MTA	P52-2	COM
		MTA	P53-1	FSS3-NO
		MTA	P53-2	COM
		MTA	P53-3	FSS3-NC
		MTA	P53-4	COM

CBCB1D

P54-1	+12V	MTA	P54-1	+12V
P54-2	COM	MTA	P55-1	FSS4NO
		MTA	P55-2	COM
		MTA	P55-3	FSS4NC
		MTA	P55-4	COM
		MTA	P56-1	TSTAMB1
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		MTA	P56-3	TSTAMB2
		MTA	P56-4	COM
		MTA	P57-1	CABSW1NC
		MTA	P57-2	COM
		MTA	P57-3	CABSW1NO
		MTA	P57-4	CABSW2NC
		MTA	P57-5	COM
		MTA	P57-6	CABSW2NO
		MTA	P57-7	CABSW3NC
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		MTA	P58-5	COM
		MTA	P58-6	SPARE2NO
		MTA	P59-1	SPARE3NC
		MTA	P59-2	COM
		MTA	P59-3	SPARE3NO
		MTA	P59-4	SPARE4NC
		MTA	P59-5	COM
		MTA	P59-6	SPARE4NO
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		FIBER	BLU	PORT0-RX
		FIBER	GRY	PORT1-TX
		FIBER	BLU	PORT1-RX
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		FIBER	BLU	PORT2-RX

TSTAMB1

DOORSW1 (SHOWN WITH DOOR OPEN)

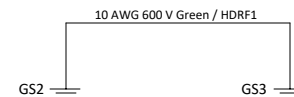
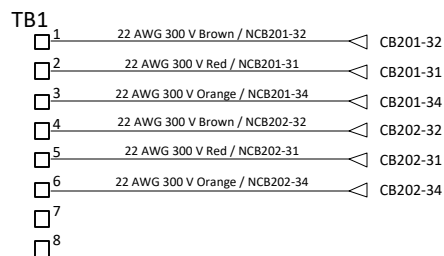
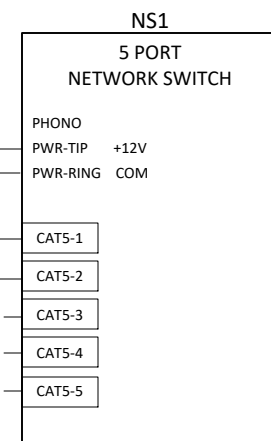
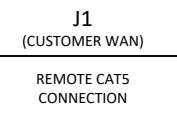
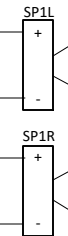
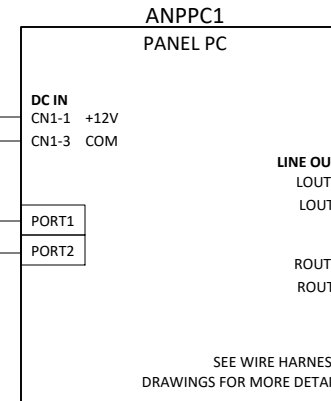
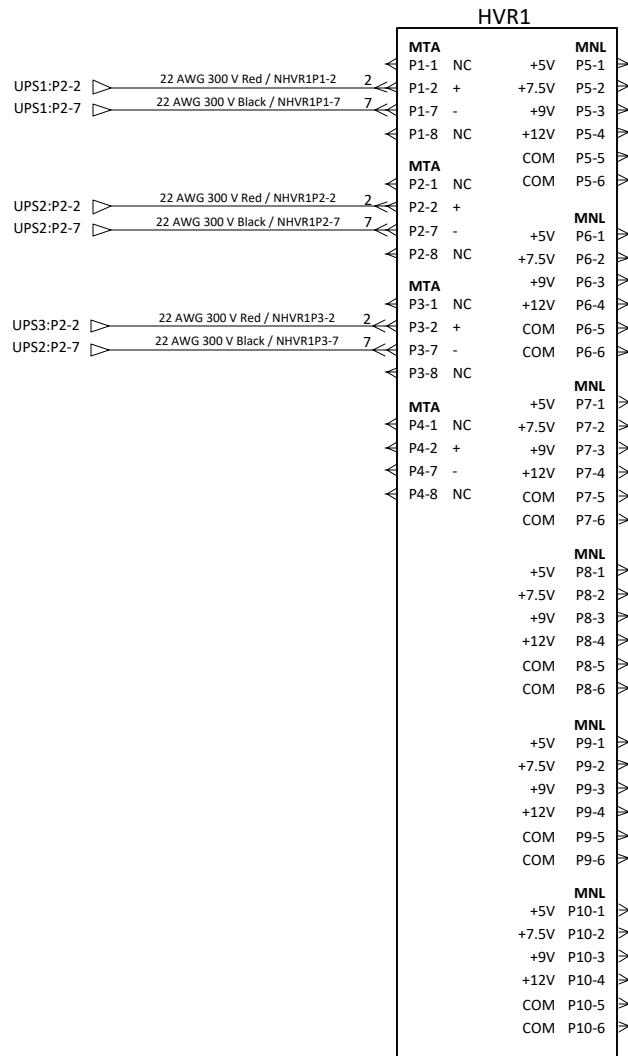
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SCB1:PORT6-RX-1

SCB1:PORT6-TX-1

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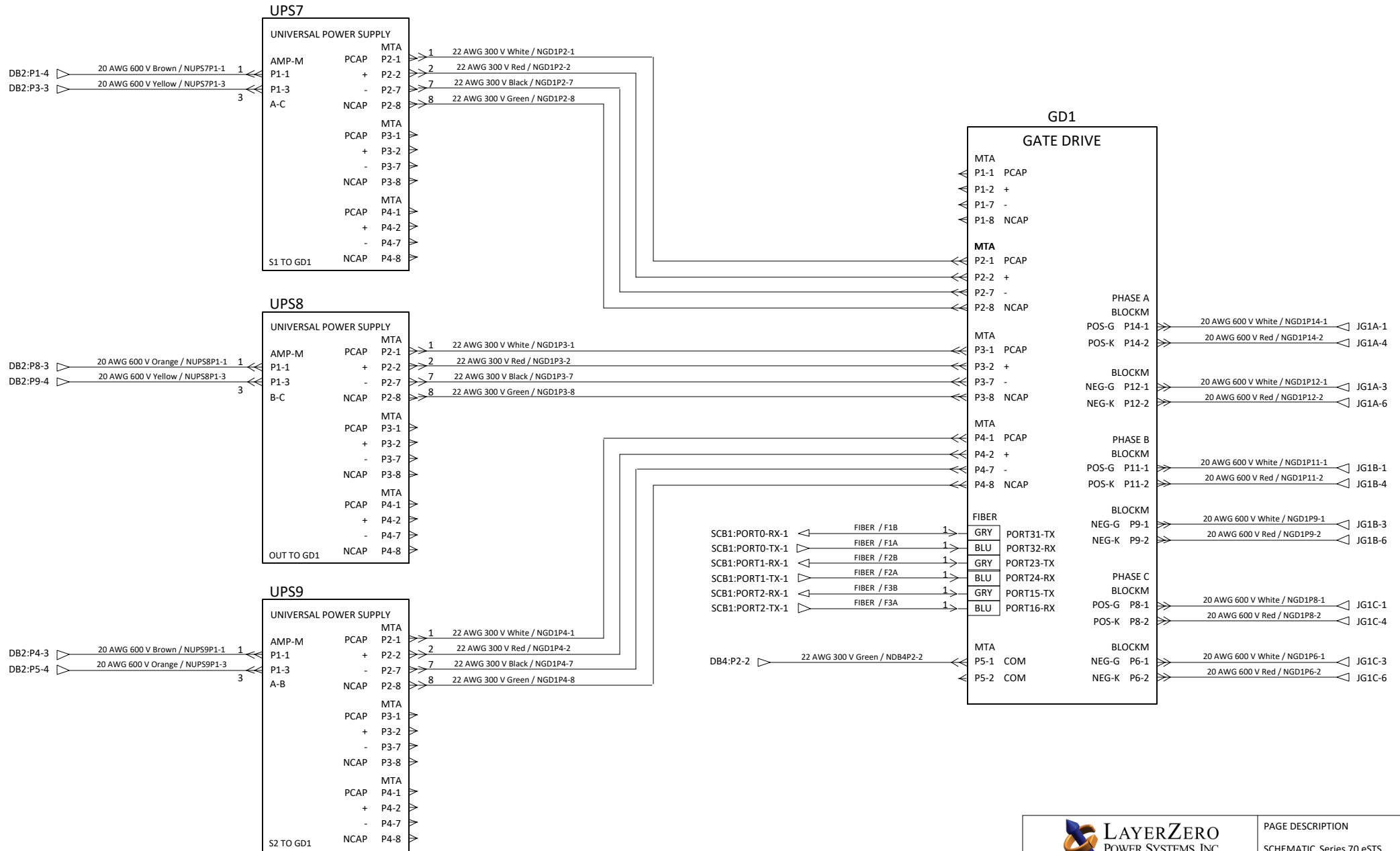
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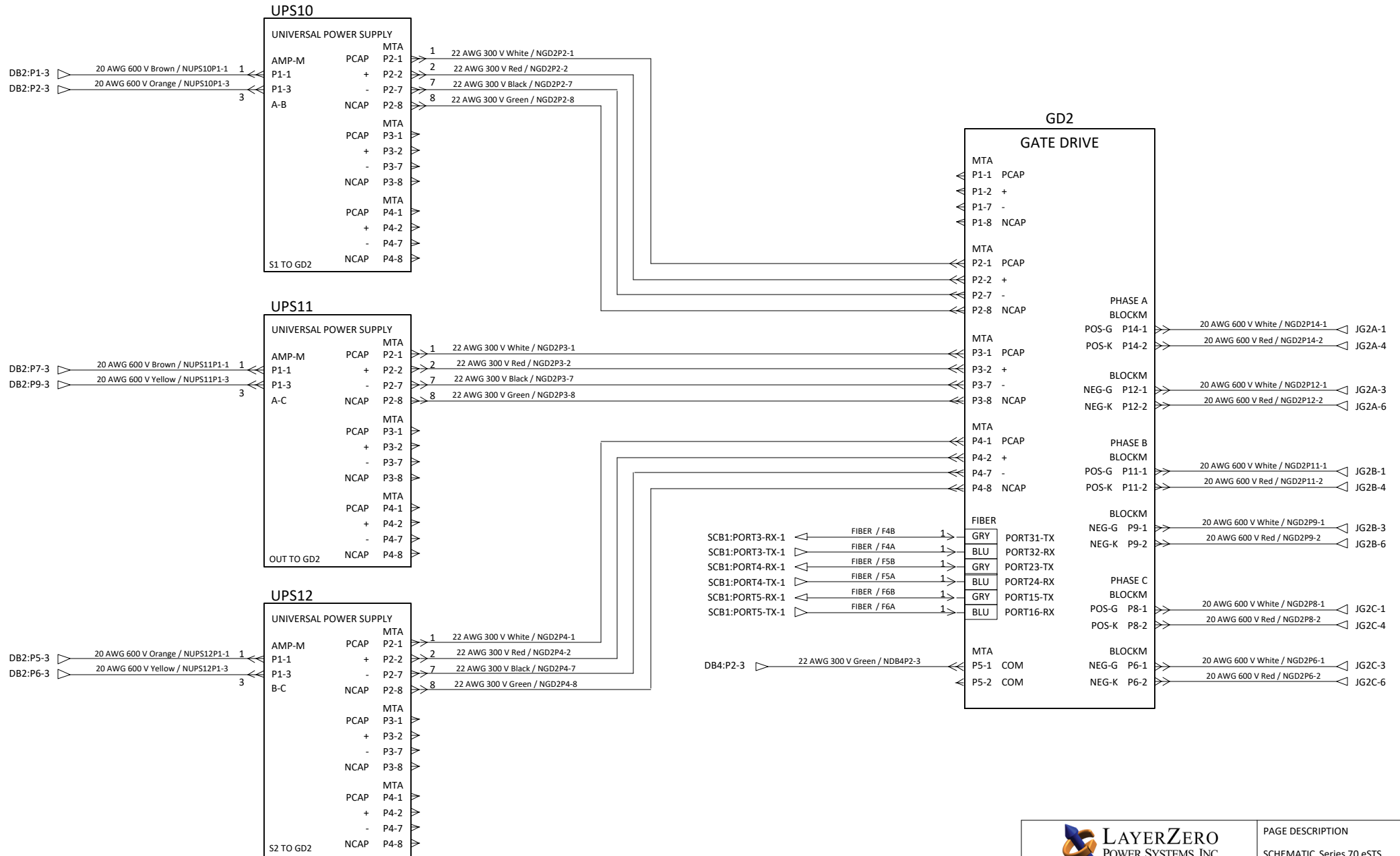
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