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DWG. NO.

SH REV.

TERMINAL
BLOCK

CONDITIONING MODULE

FTA

FTA CABLE

TRANSITION
MODULE

IO CARD

POWER
SUPPLY

NOT CONNECTED

FOIL SHIELD

CHASSIS GROUND

COMMON

DGND

+24V

COMMON

AI_1+

AI_1+

AI_1+

AI_1+

AI_1-

AI_1-

AI_1-

AI_1-

100pF

10pF

100pF

100K

40V

100K

+15V

-15V

LT1167

3.92K

6.19K

0.1u

0.1u

OP-249

AI1

AI0

AI2

AI3

AI4

AI5

AI6

AI7

AI0:51

5V REF.

S1

S2

S3

S4

S5

S6

S7

S8

A0

A1

A2

A3

8 CHANNEL MUX

VDD

VSS

EN

GND

AI0:51

-1V, +6V

10K

10K

+15V

-15V

OP-249

10K

200

OP-249

2.74K

200

+/- 9.6V

68.1K

66.4K

+5V

DGND

DGND

R48

10K

R49

10K

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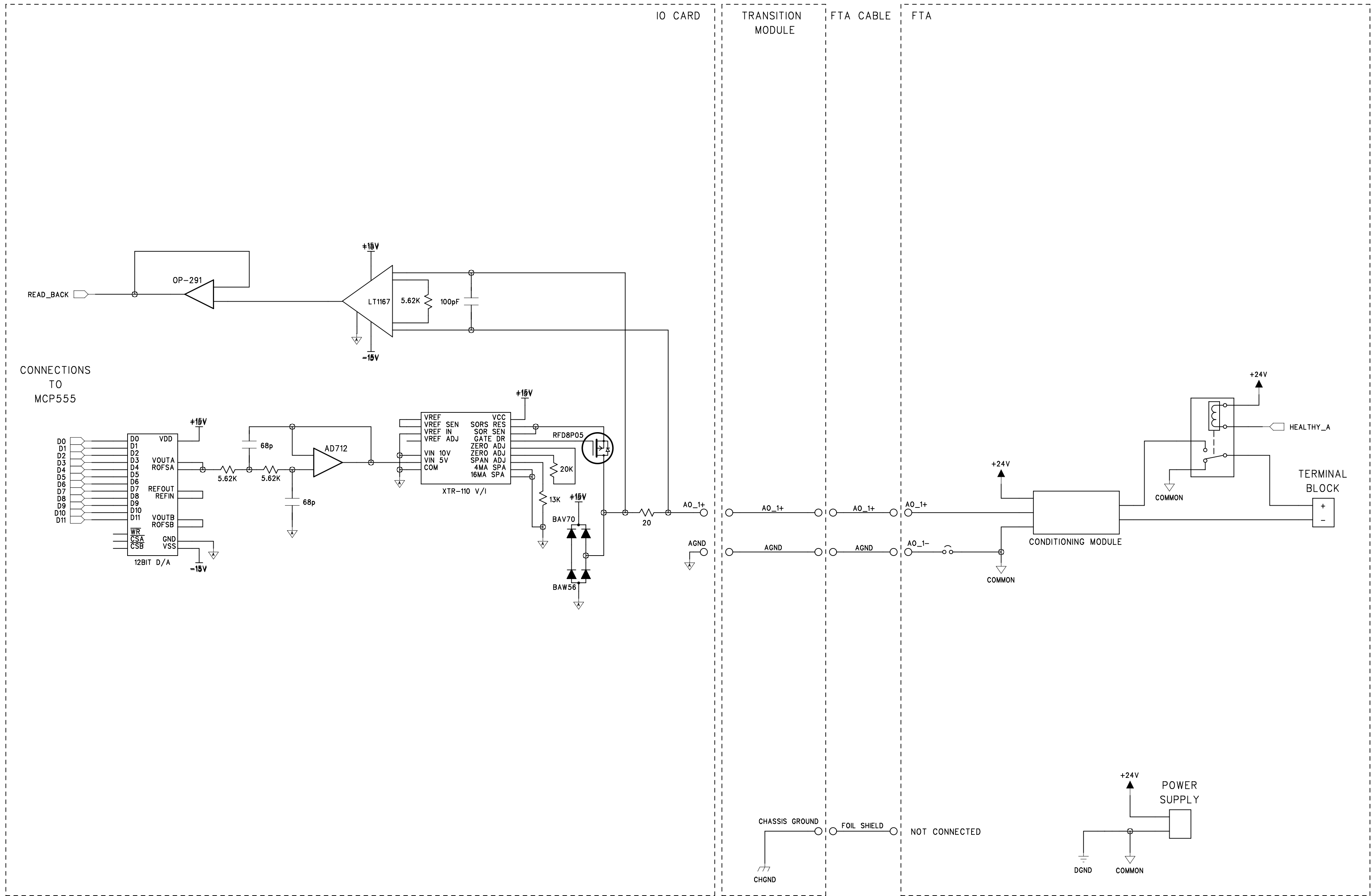
DGND

DGND

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DWG. NO.

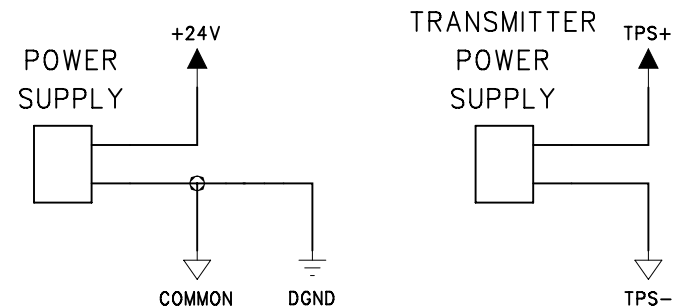
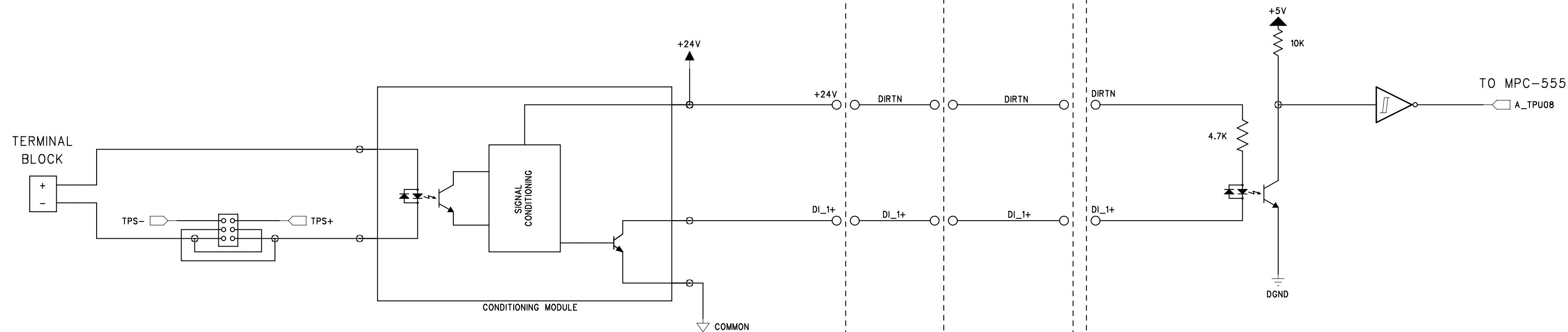
SH REV.




APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION		
DRAWN		8/10/99	11359 Aurora Ave - Des Moines, Iowa 50322		
CHECKED			ANALOG OUTPUT-SIMPLEX		
ENGINEER		8/10/99	SIZE	DWG. NO.	SHEET 2 OF 11
TOM STOLL			C	FILE S5_GROUNDING	SCALE NONE
					PROD REV. A

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SH REV.



NOT CONNECTED



A horizontal line with circles at both ends, labeled "FOIL SHIELD".

CHASSIS GROUND

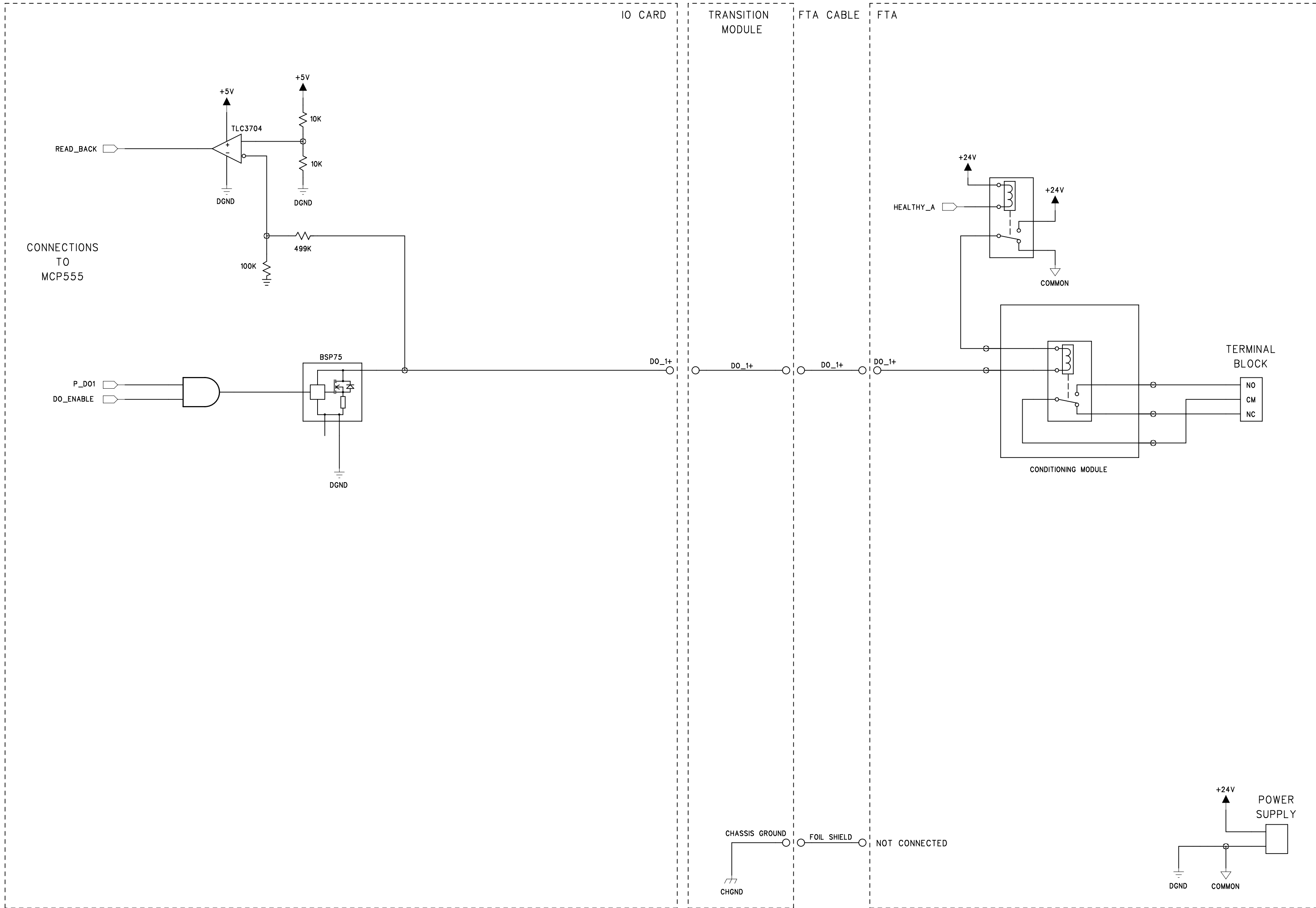
CHGND

APPROVALS		DATE		COMPRESSOR CONTROLS CORPORATION 11359 Aurora Ave - Des Moines, Iowa 50322			
DRAWN TOM STOLL		8/10/99		DIGITAL INPUT-SIMPLEX			
CHECKED							
ENGINEER TOM STOLL		8/10/99		SIZE C	DWG. NO. FILE S5_GROUNDING	SHEET 3 OF 11 SCALE NONE	PROD REV. A

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DWG. NO.

SH REV.

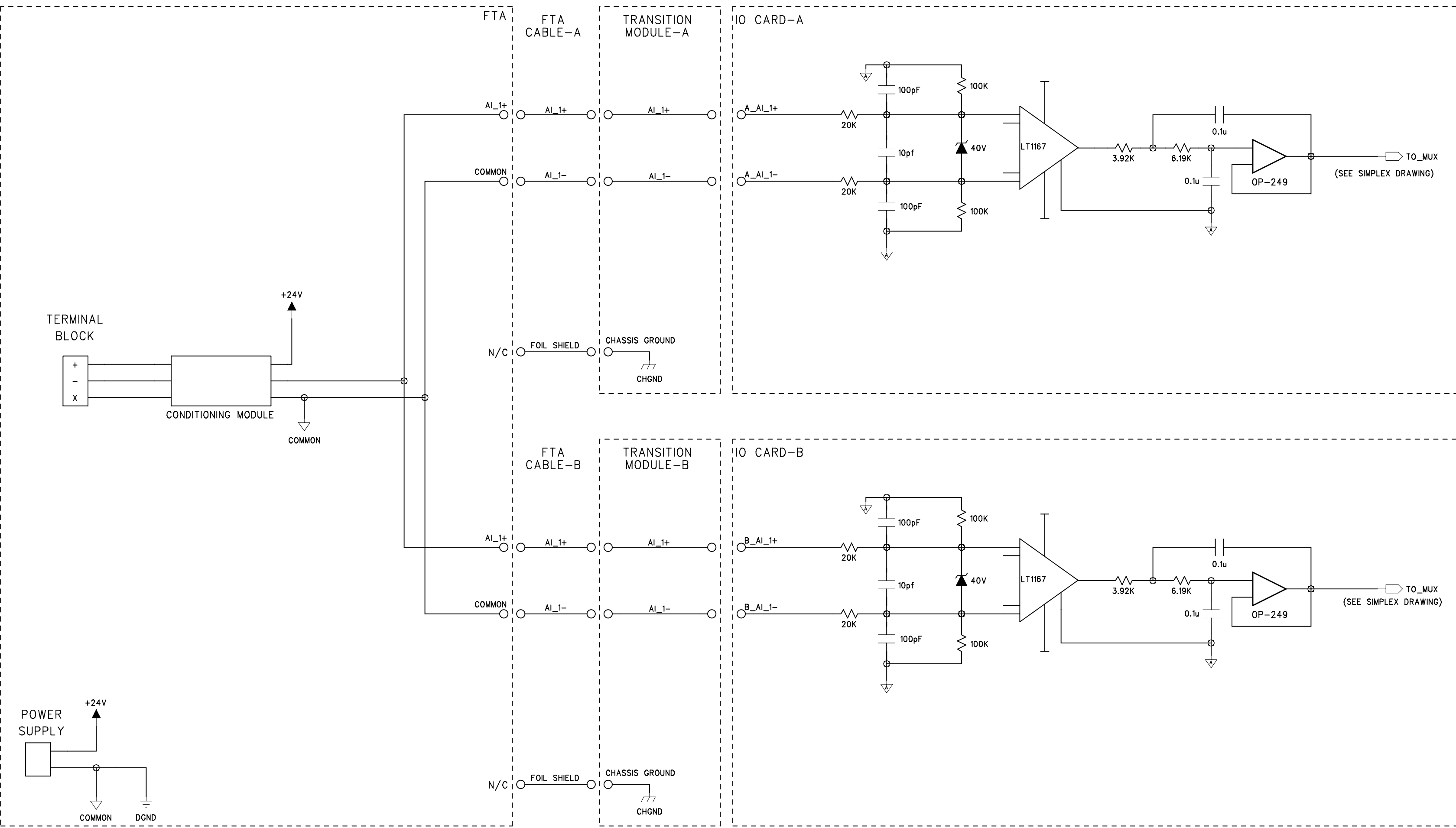


APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION		
DRAWN	TOM STOLL	8/10/99	11359 Aurora Ave - Des Moines, Iowa 50322		
CHECKED			DIGITAL OUTPUT-SIMPLEX		
ENGINEER	TOM STOLL	8/10/99	SIZE C	DWG. NO. S5_GROUNDING	SHEET 4 OF 11 SCALE NONE
					PROD REV. A

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DWG. NO.

SH REV.

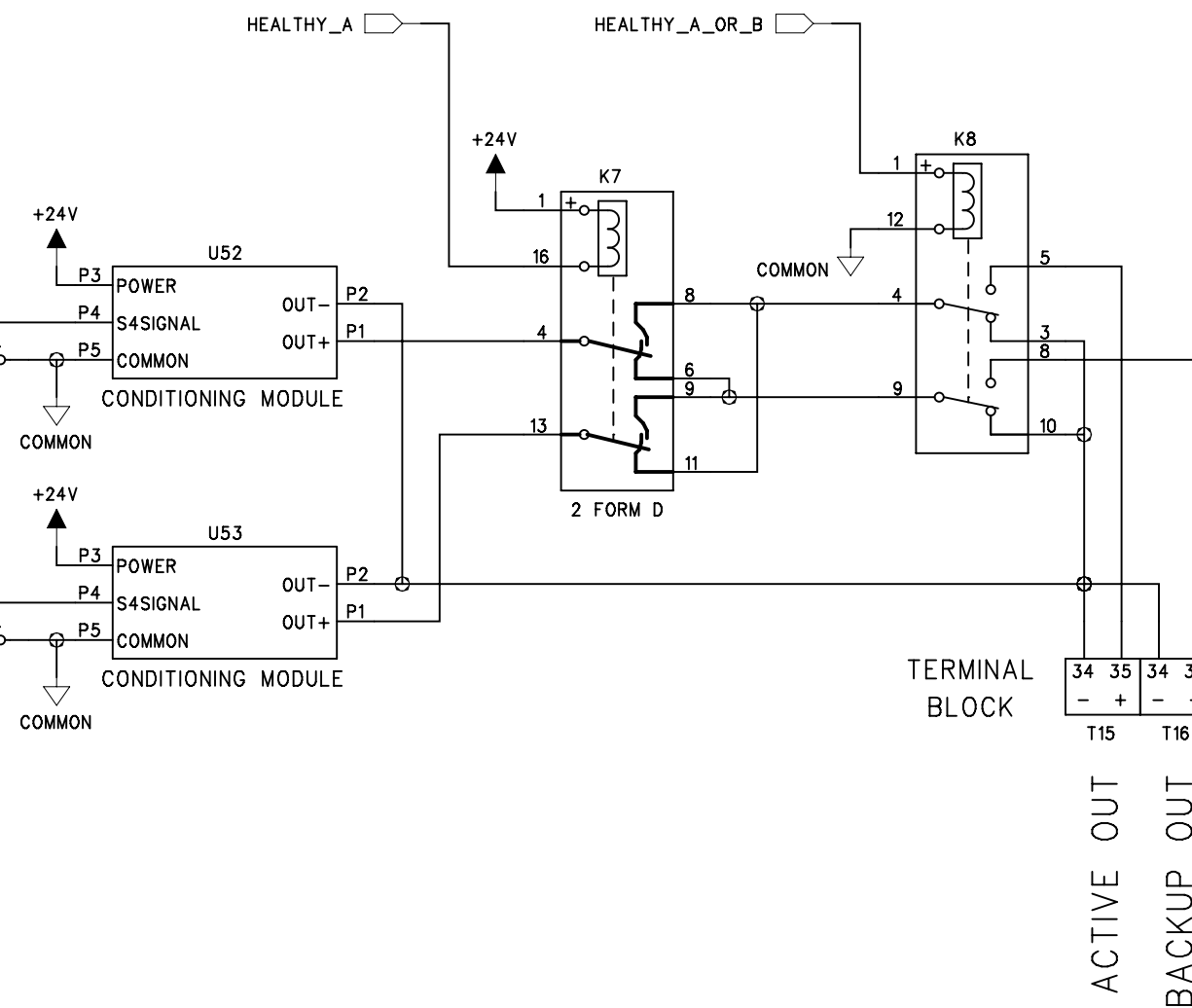
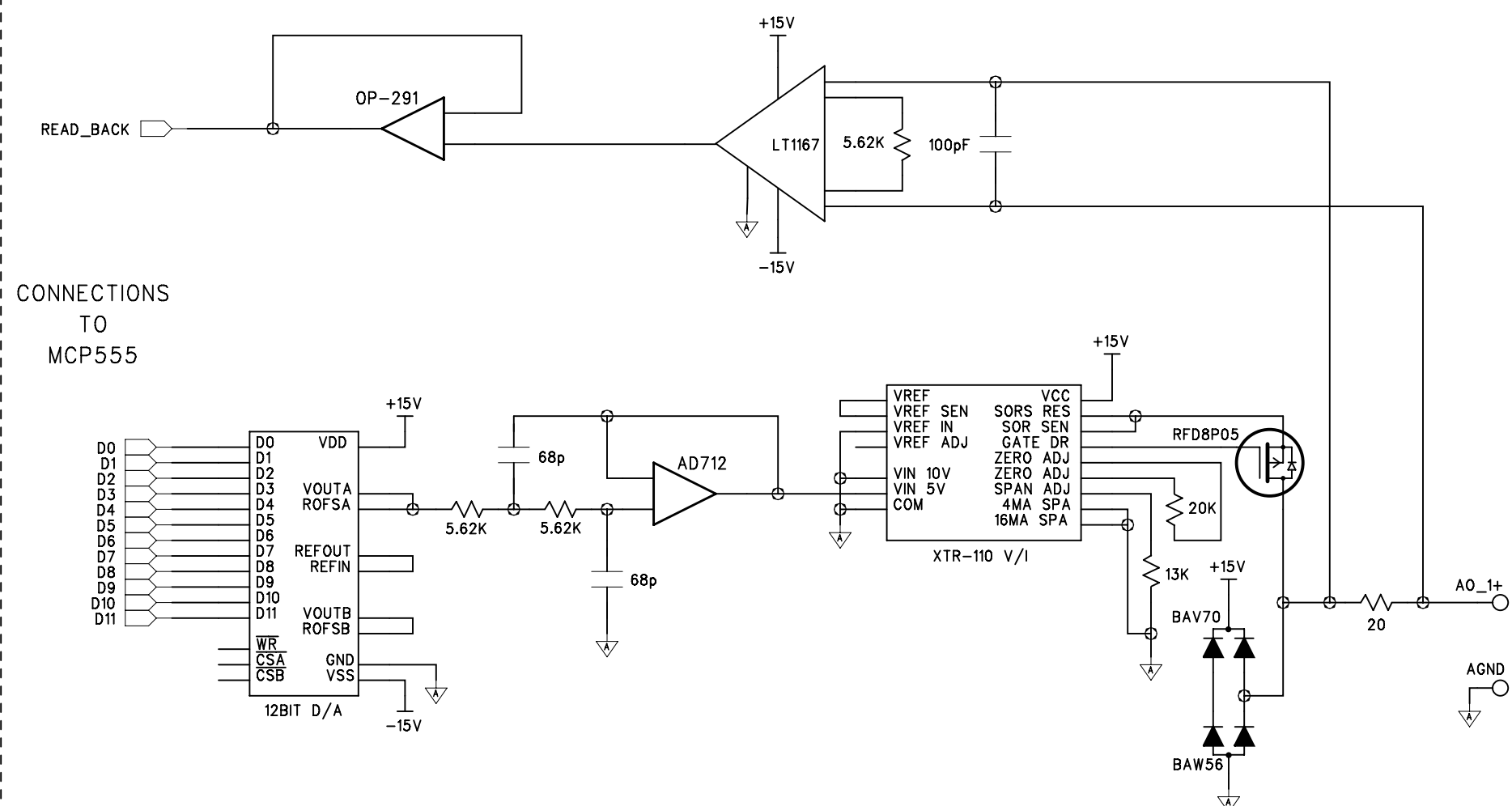
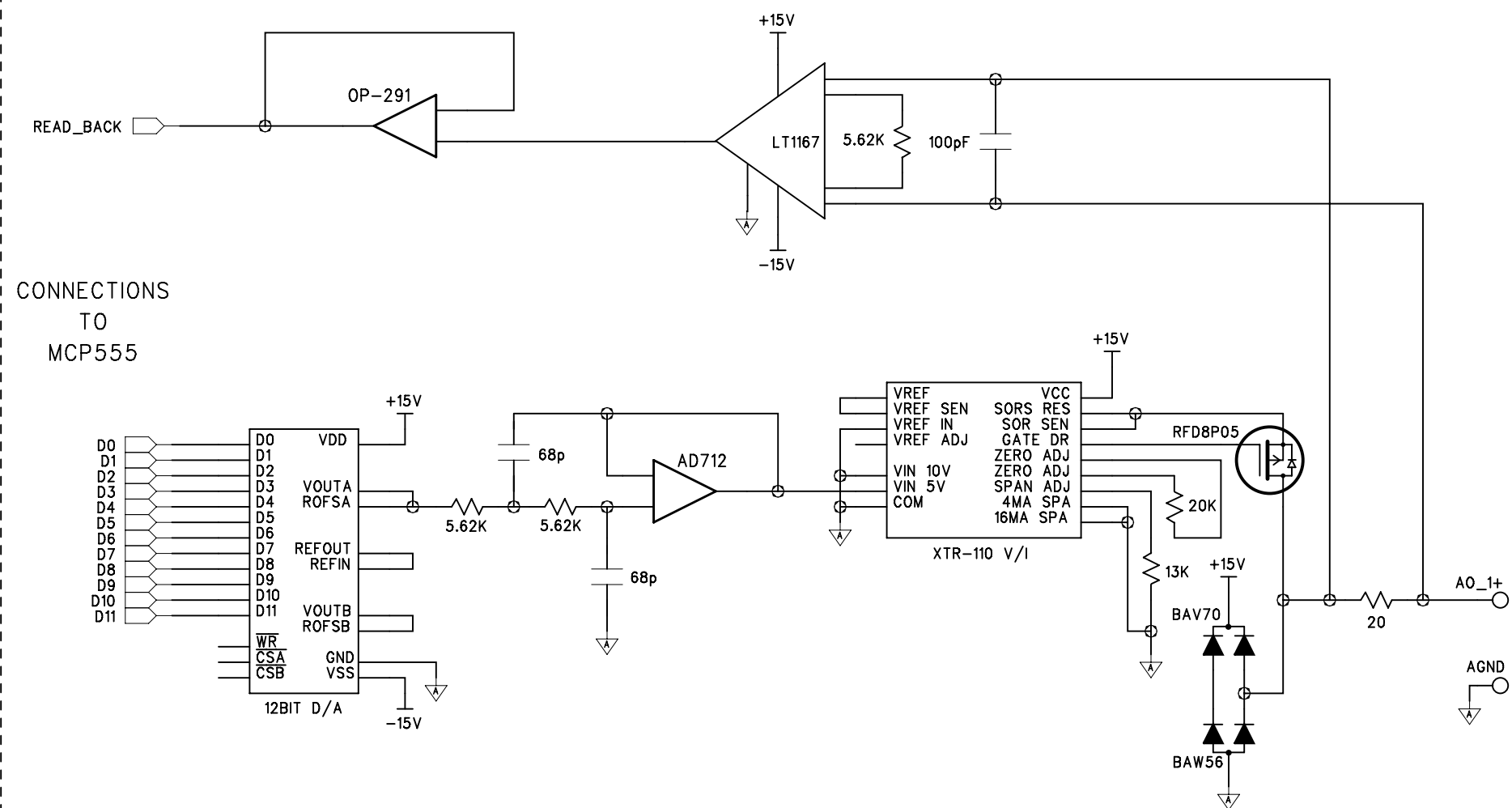


APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION		
DRAWN	TOM STOLL	8/10/99	11359 Aurora Ave - Des Moines, Iowa 50322		
CHECKED			ANALOG INPUT-DUPLEX		
ENGINEER	TOM STOLL	8/10/99	SIZE C	DWG. NO. S5_GROUNDING	SHEET 5 OF 11 SCALE NONE
					PROD REV. A

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DWG. NO.

SH REV.



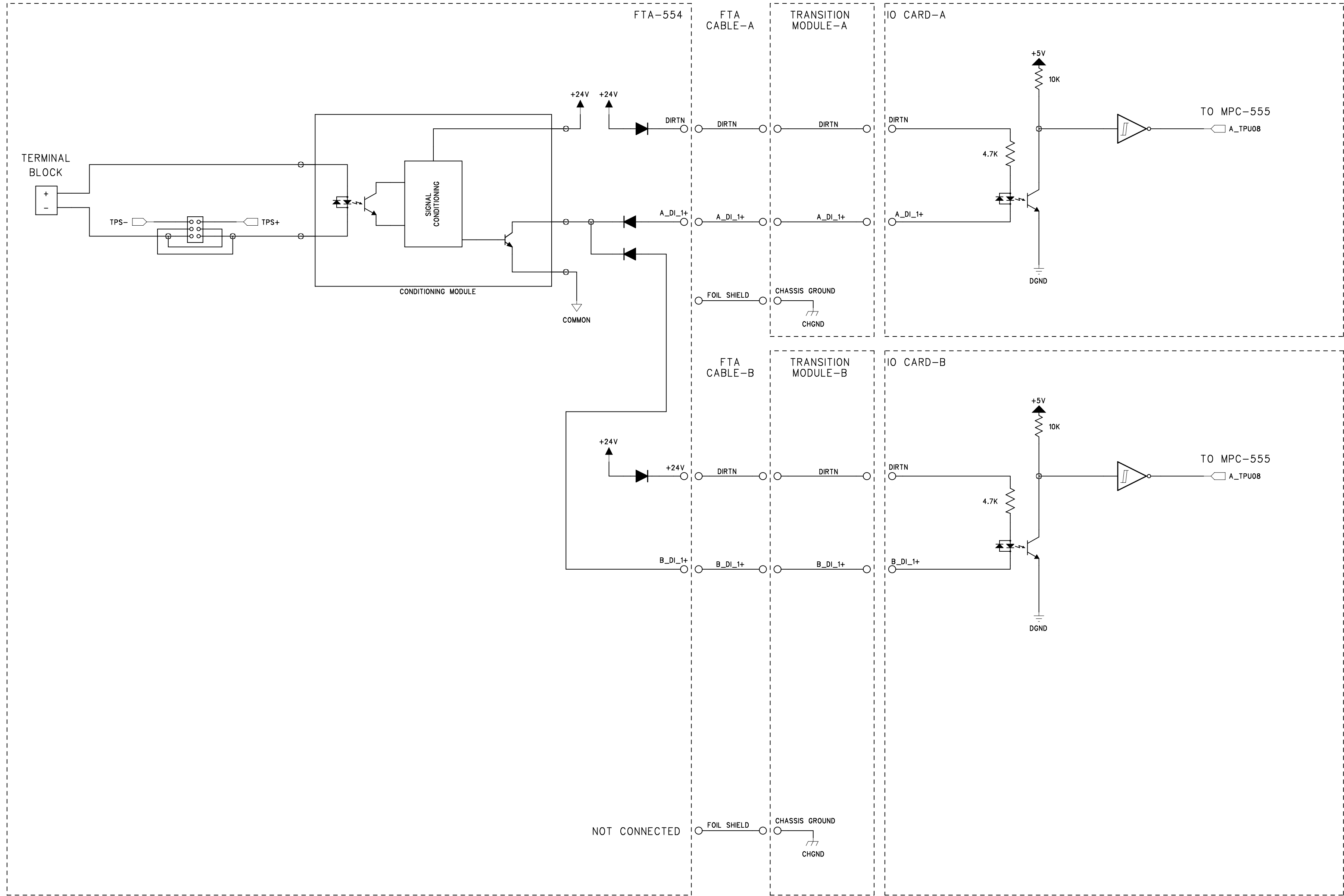
APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION				
DRAWN TOM STOLL		8/10/99	11359 Aurora Ave – Des Moines, Iowa 50322				
CHECKED			ANALOG OUTPUT–DUPLEX				
ENGINEER TOM STOLL		8/10/99	SIZE C	DWG. NO. FILE S5_GROUNDING	SHEET 6 OF 11 SCALE NONE	PROD REV. A	

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DWG. NO.

SH

REV.



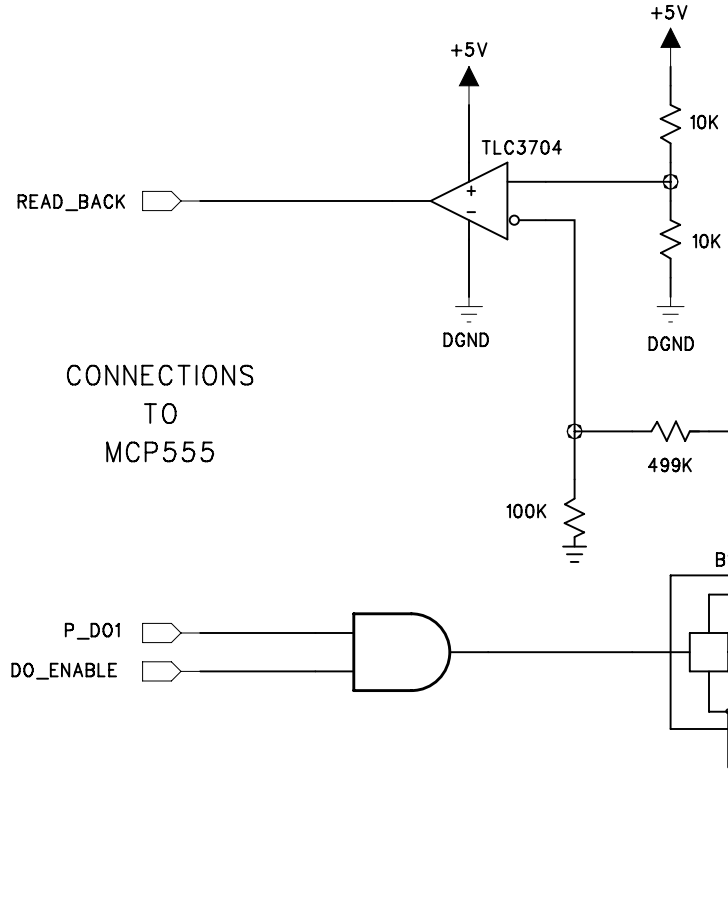
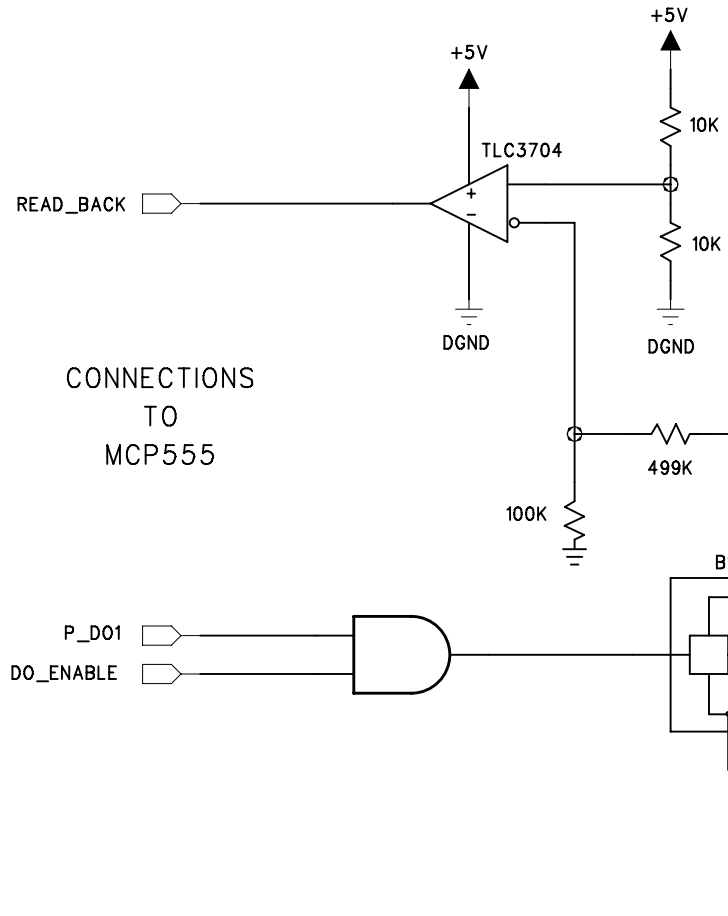
APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION			
DRAWN			4725 121st Street - Des Moines, Iowa 50323			
CHECKED			DIGITAL INPUT - DUPLEX			
ENGINEER			SIZE	DWG. NO.	SHEET	7 OF 11
			C	FILE	SCALE	PROD REV.

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DWG. NO.

SH

REV.

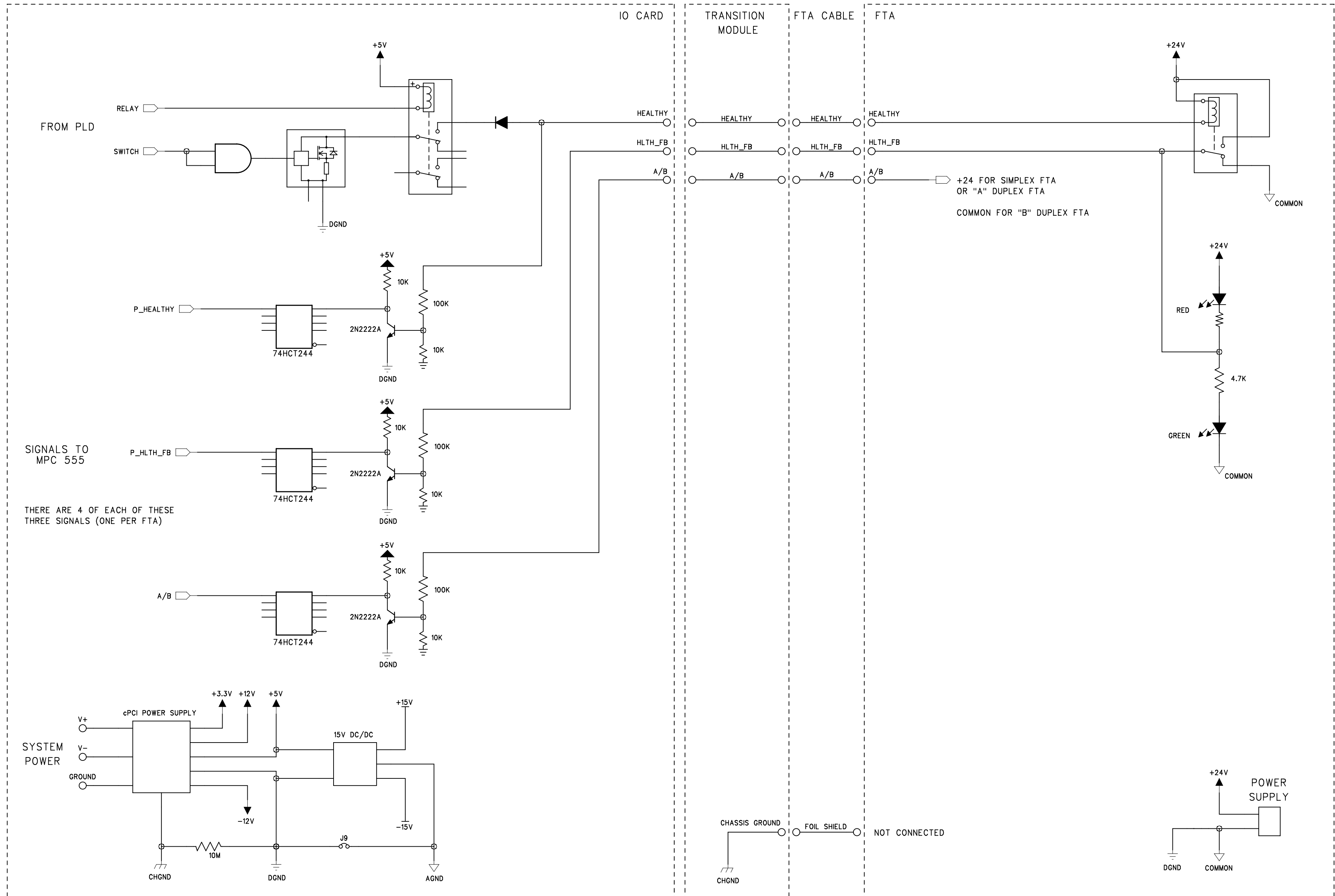


APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION			
DRAWN			4725 121st Street - Des Moines, Iowa 50323			
CHECKED			DIGITAL OUTPUT - DUPLEX			
ENGINEER			SIZE	DWG. NO.	SHEET	8 OF 11
			C	FILE	SCALE	PROD REV.

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DWG. NO.

SH REV.



APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION		
DRAWN	TOM STOLL	8/10/99	11359 Aurora Ave - Des Moines, Iowa 50322		
CHECKED			HEALTHY CIRCUITRY		
ENGINEER	TOM STOLL	8/10/99	SIZE C	DWG. NO. S5_GROUNDING	SHEET 9 OF 11 SCALE NONE PROD REV. A

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DWG. NO.

SH REV.

D

C

B

A

D

C

B

A

IO CARD-A

TRANSITION
MODULE - A

FTA CABLE

FTA

HEALTHY
HLTH_FB
PEER_HLTH_FB
A/B

HEALTHY
HLTH_FB
PEER_HLTH_FB
A/B

HEALTHY
HLTH_FB
PEER_HLTH_FB
A/B

A_HEALTHY
A_HLTH_FB
B_HLTH_FB
A/B

CHASSIS GROUND
CHGND

FOIL SHIELD
NOT CONNECTED

IO CARD-B

TRANSITION
MODULE - B

HEALTHY
HLTH_FB
PEER_HLTH_FB
A/B

HEALTHY
HLTH_FB
PEER_HLTH_FB
A/B

HEALTHY
HLTH_FB
PEER_HLTH_FB
A/B

B_HEALTHY
B_HLTH_FB
A_HLTH_FB
A/B

CHASSIS GROUND
CHGND

FOIL SHIELD
NOT CONNECTED

+24V

+24V

RED

GREEN

COMMON

4.7K

COMMON

+24V

+24V

RED

GREEN

COMMON

4.7K

COMMON

FROM PLD

RELAY

SWITCH

P_HEALTHY

74HCT244

+5V

DGND

+5V

DGND

+5V

DGND

SIGNALS TO
MPC 555

P_HLTH_FB

74HCT244

A/B

74HCT244

A/B

74HCT244

FROM PLD

RELAY

SWITCH

CONNECTIONS SAME AS IOC-A

APPROVALS

DATE

COMPRESSOR CONTROLS CORPORATION

11359 Aurora Ave - Des Moines, Iowa 50322

DRAWN

TOM STOLL

8/10/99

CHECKED

HEALTHY CIRCUITRY - DUPLEX

ENGINEER

TOM STOLL

8/10/99

SIZE

C

DWG. NO.

FILE

S5_GROUNDING

SHEET 10 OF 11

SCALE NONE

PROD

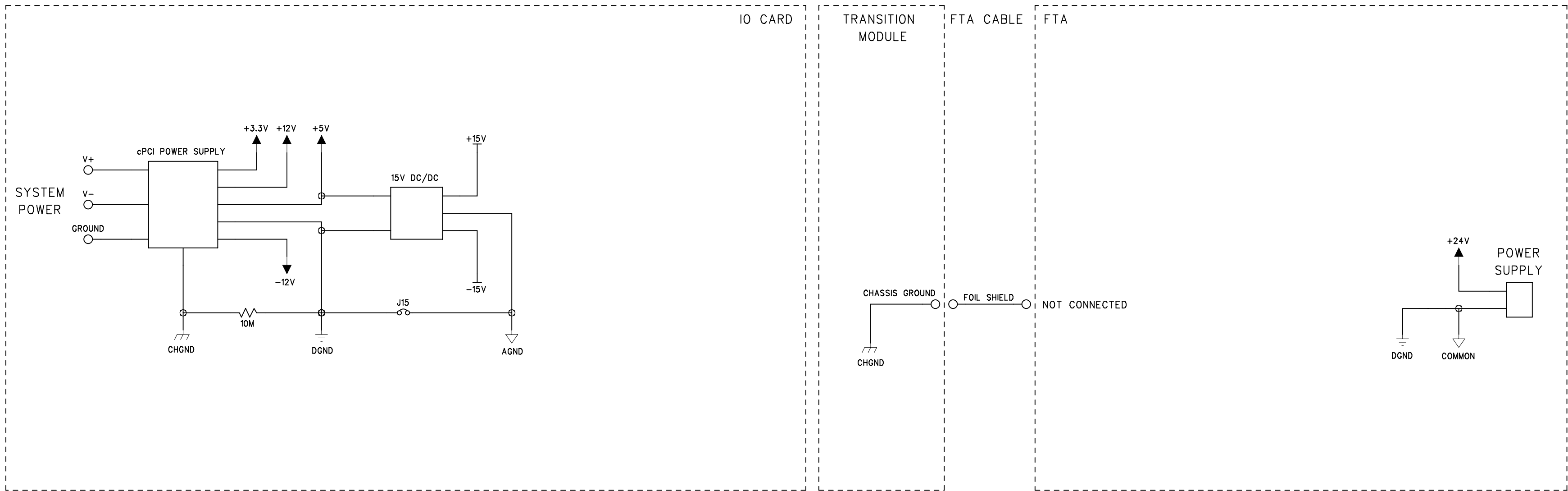
REV.

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DWG. NO.

SH REV.



APPROVALS		DATE	COMPRESSOR CONTROLS CORPORATION			
DRAWN		8/10/99	11359 Aurora Ave - Des Moines, Iowa 50322			
CHECKED			POWER DISTRIBUTION - SERIES 5 VANGUARD			
ENGINEER		8/10/99	SIZE	DWG. NO.	SHEET	PROD REV.
TOM STOLL			C	FILE S5_POWER.SCH	11 OF 11	A
					SCALE NONE	