

FY - OPTO\_BOARD\_2\_MISC\_PG5

OPTO\_BOARD\_2\_PG1

PORTBbits.RA0 = ETHERNET LED1  
PORTBbits.RA1 = ETHERNET LED2  
PORTBbits.RA2 = ADCONVERTER ENC TOP  
PORTBbits.RA3 = ADCONVERTER ENC BOTTOM  
PORTBbits.RA4 = Led1  
PORTBbits.RA5 = Led2  
3.3V, 2mA

PORTBbits.RB0 = SPARE\_SWITCH\_INPUT\_TOP  
PORTBbits.RB1 = SPARE\_SWITCH\_INPUT\_BOTTOM  
PORTBbits.RB2 = Led3  
PORTBbits.RB3 = IO\_Expander\_Enable I<sup>2</sup>C  
PORTBbits.RB4 = Output\_Enable  
PORTBbits.RB5 = Externall\_WDT  
PORTBbits.RB6 = INCIRCUIT PROGRAM/DEBUG  
PORTBbits.RB7 = INCIRCUIT PROGRAM/DEBUG  
5.0V, 25mA

PORTDbits.RD0 = M10\_ Top  
PORTDbits.RD1 = Track 7 enable  
PORTDbits.RD2 = Bezet\_Weerstand\_ Top  
PORTDbits.RD3 = M10\_ Bottom  
PORTDbits.RD4 = Track 18 enable  
PORTDbits.RD5 = SERIAL CLOCK I<sup>2</sup>C  
PORTDbits.RD6 = SERIAL DATA I<sup>2</sup>C  
PORTDbits.RD7 = Bezet\_Weerstand\_ Bottom  
5.0V, 8mA

FY - OPTO\_BOARD\_1\_SWBOT\_PG4

OPTO\_BOARD\_1\_BOT\_PG1

PORTCbits.RC0 = Brake Bottom  
PORTCbits.RC1 = SPARE1  
PORTCbits.RC2 = PWM Bottom  
PORTCbits.RC3 = F13\_ Bottom  
PORTCbits.RC4 = F10\_ Bottom  
PORTCbits.RC5 = F11\_ Bottom  
PORTCbits.RC6 = F12\_ Bottom  
PORTCbits.RC7 = EOS\_10\_ Bottom  
5.0V, 25mA

PORTFbits.RF0 = CL\_10\_ bit1 Bottom  
PORTFbits.RF1 = CL\_10\_ bit2 Bottom  
PORTFbits.RF2 = CL\_10\_ bit3 Bottom  
PORTFbits.RF3 = CL\_10\_ bit4 Bottom  
PORTFbits.RF4 = CL\_10\_Heart\_ Bottom  
PORTFbits.RF5 = SPARE2  
PORTFbits.RF6 = SPARE3  
PORTFbits.RF7 = EOS\_11\_ Bottom  
3.3V, 2mA

FY - OPTO\_BOARD\_1\_SWTOP\_PG3

OPTO\_BOARD\_1\_TOP\_PG1

PORTGbits.RG0 = PWM Top  
PORTGbits.RG1 = SPARE1  
PORTGbits.RG2 = Brake Top  
PORTGbits.RG3 = F13\_ Top  
PORTGbits.RG4 = F10\_ Top  
PORTGbits.RG5 = F11\_ Top  
PORTGbits.RG6 = F12\_ Top  
PORTGbits.RG7 = EOS\_10\_ Top  
5.0V, 2mA

PORTJbits.RJ0 = CL\_10\_ bit1 Top  
PORTJbits.RJ1 = CL\_10\_ bit2 Top  
PORTJbits.RJ2 = CL\_10\_ bit3 Top  
PORTJbits.RJ3 = CL\_10\_ bit4 Top  
PORTJbits.RJ4 = CL\_10\_Heart\_ Top  
PORTJbits.RJ5 = SPARE2  
PORTJbits.RJ6 = SPARE3  
PORTJbits.RJ7 = EOS\_11\_ Top  
5.0V, 8mA

FY - OPTO\_BOARD\_3\_OCC\_PG7

OPTO\_BOARD\_3\_PG1

PORTEbits.RE0 = OCC\_IN\_5B  
PORTEbits.RE1 = OCC\_IN\_6  
PORTEbits.RE2 = OCC\_IN\_7  
PORTEbits.RE3 = OCC\_IN\_SPARE  
PORTEbits.RE4 = OCC\_IN\_16B  
PORTEbits.RE5 = OCC\_IN\_17  
PORTEbits.RE6 = OCC\_IN\_18  
PORTEbits.RE7 = OCC\_IN\_SPARE  
5.0V, 8mA

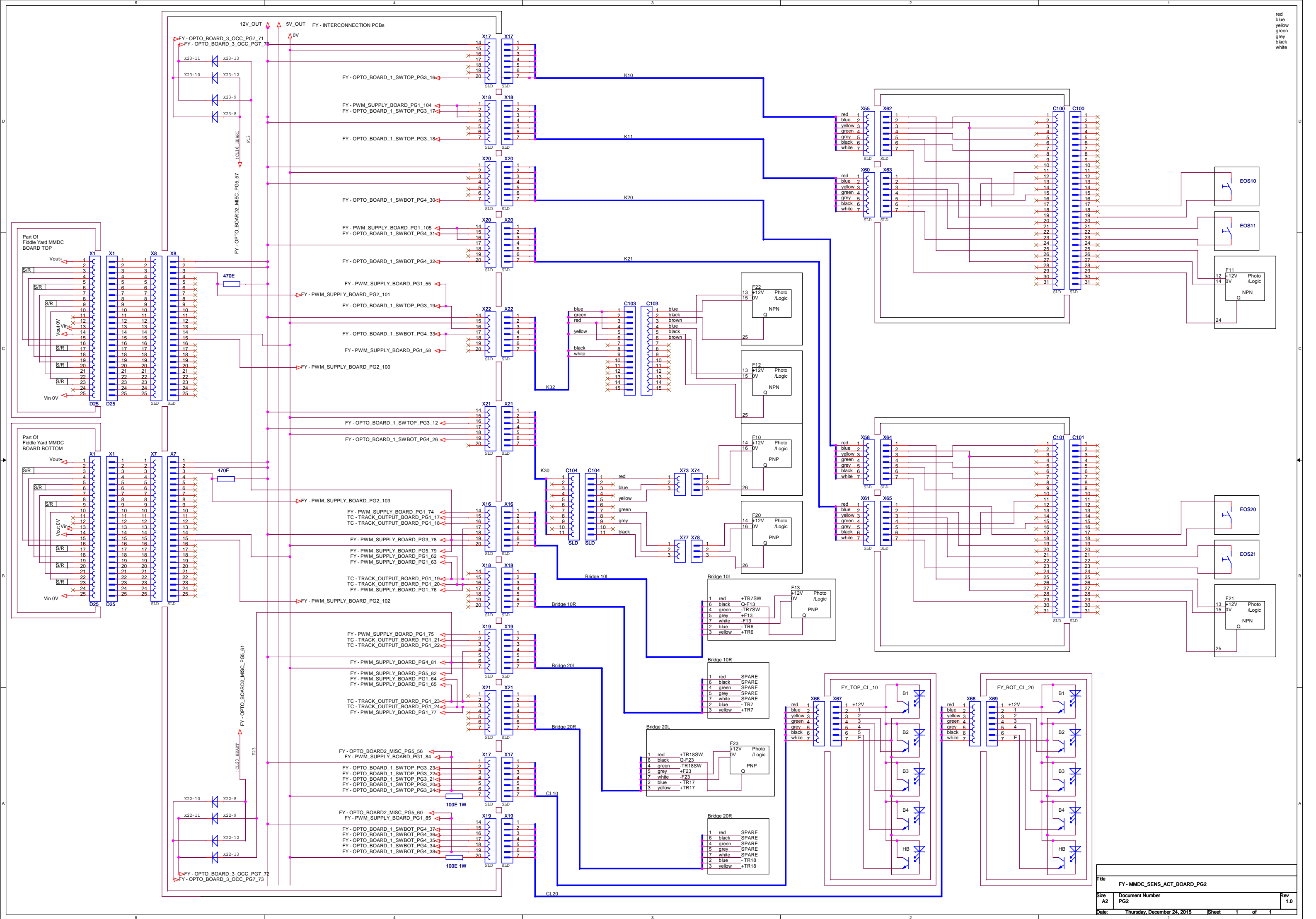
PORTHbits.RH0 = OCC\_OUT\_5B  
PORTHbits.RH1 = OCC\_OUT\_6  
PORTHbits.RH2 = OCC\_OUT\_7  
PORTHbits.RH3 = OCC\_OUT\_8A  
PORTHbits.RH4 = OCC\_OUT\_16B  
PORTHbits.RH5 = OCC\_OUT\_17  
PORTHbits.RH6 = OCC\_OUT\_18  
PORTHbits.RH7 = OCC\_OUT\_19A  
3.3V, 2mA

X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14

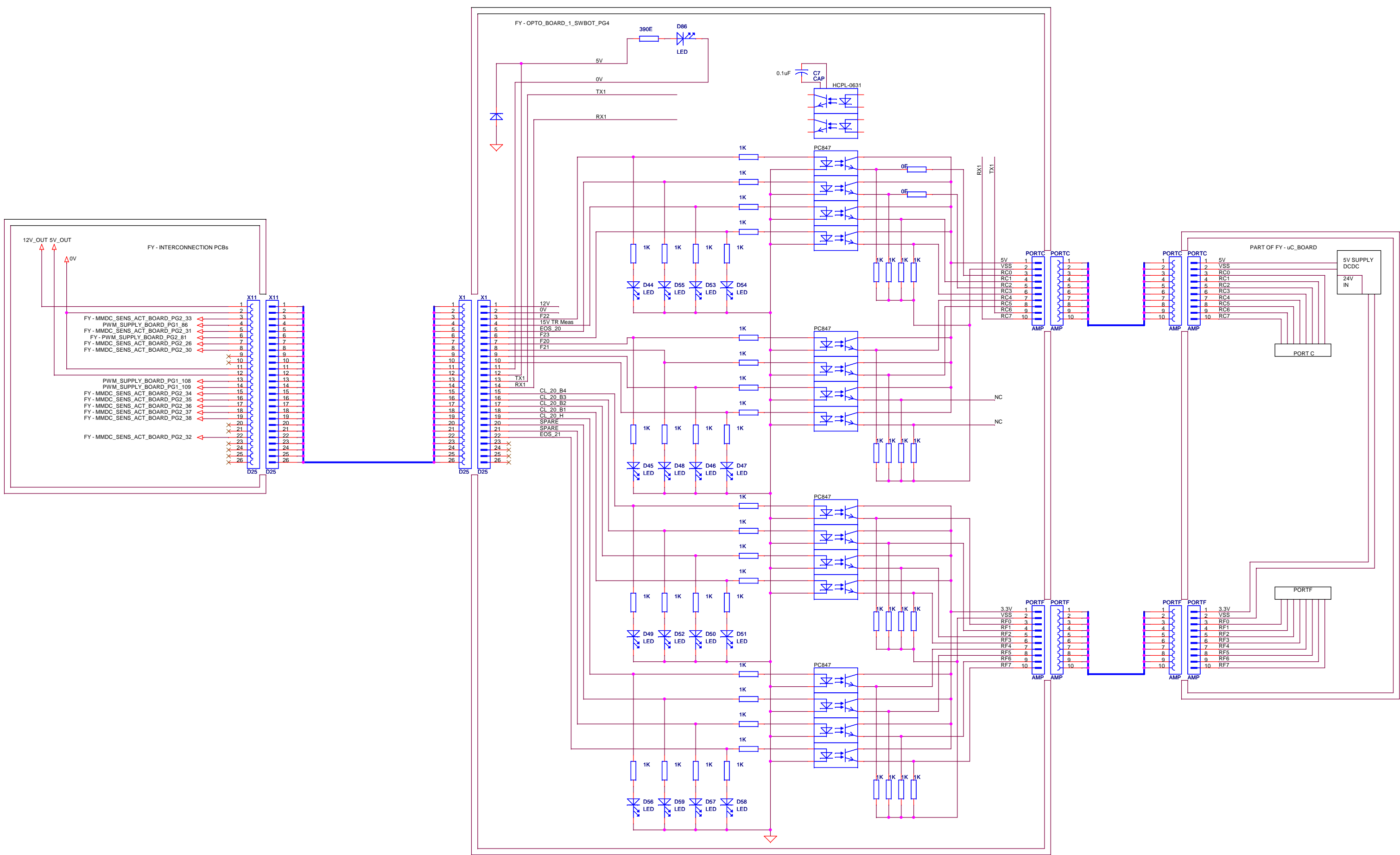
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					27	27	27	27	27	27	27	27	27	27
		26			26	26	26	26	26	26	26	26	26	26
					25	13	13	13	13	13	25	25	25	25
		25			24	24	25	25	25	25	24	24	24	24
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					22	22	24	24	24	24	22	22	22	22
					21	21	11	11	11	11	21	21	21	21
		21			20	20	23	23	23	23	20	20	20	20
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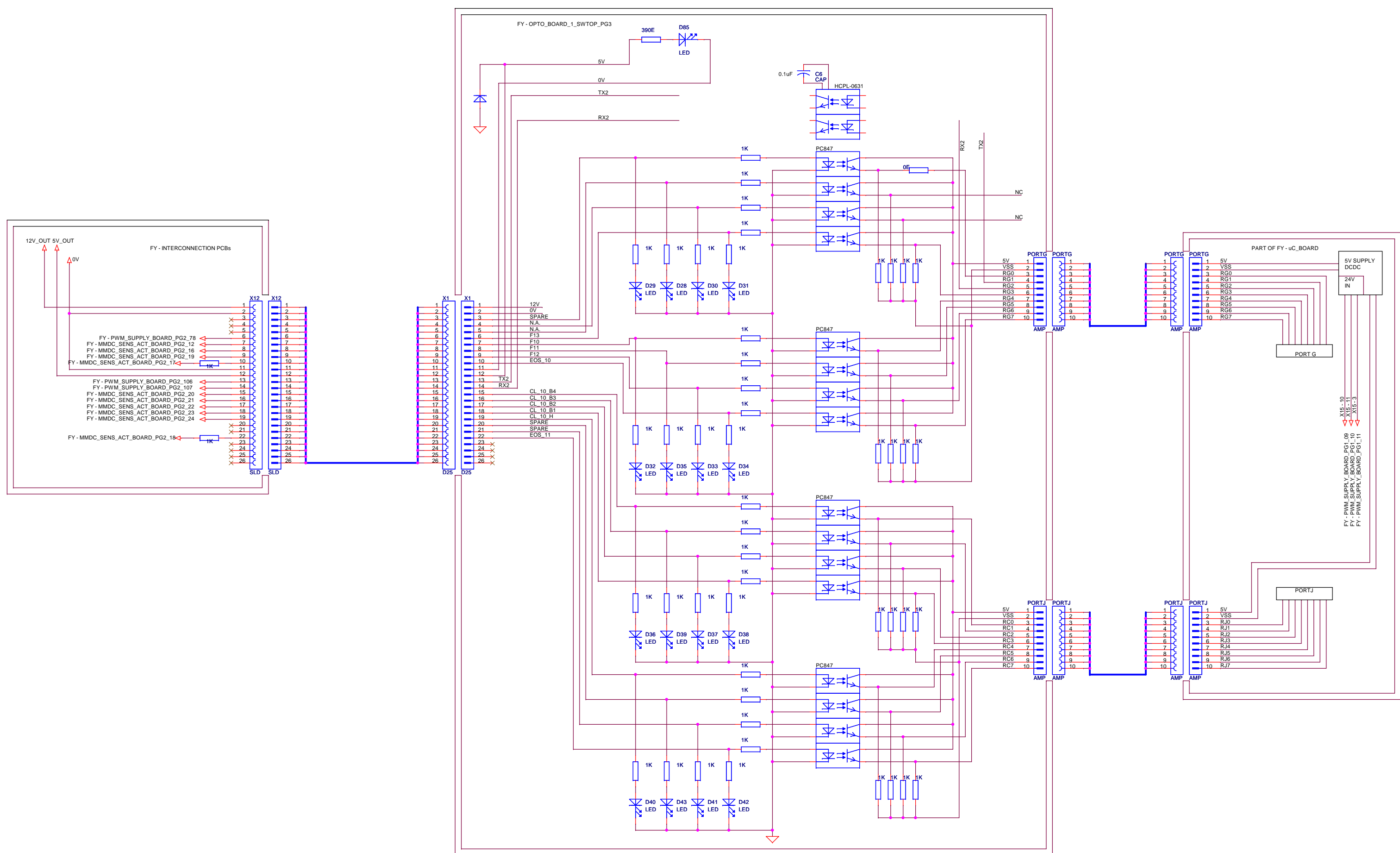
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					6	6	16	16	16	16	6	6	6	6
					5	5	3	3	3	3	5	5	5	5
					4	4	15	15	15	15	4	4	4	4
					3	3	2	2	2	2	3	3	3	3
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	1													

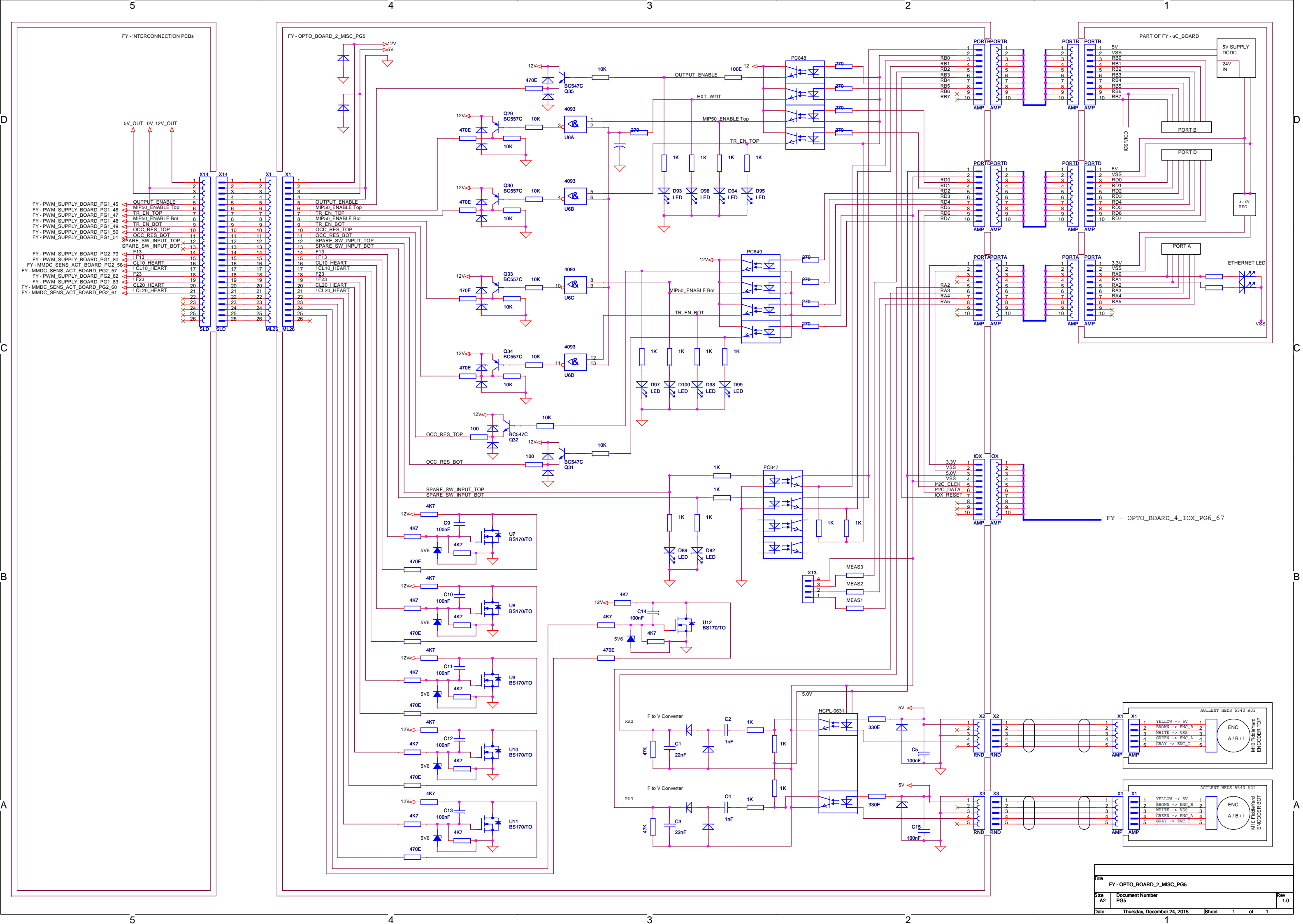
Title		
FY - IO_MAPPING_OF_uC		
Size	Document Number	Rev
A4	<Doc>	1.0
Date:	Wednesday, December 23, 2015	Sheet 1 of 1



Title			FY - MMDC_SENS_ACT_BOARD_PG2
Size	Document Number	Rev	
A2	PG2	1.0	
Date:	Thursday, December 24, 2015	Sheet	1 of 1

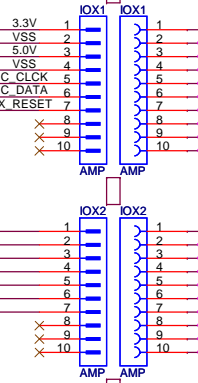
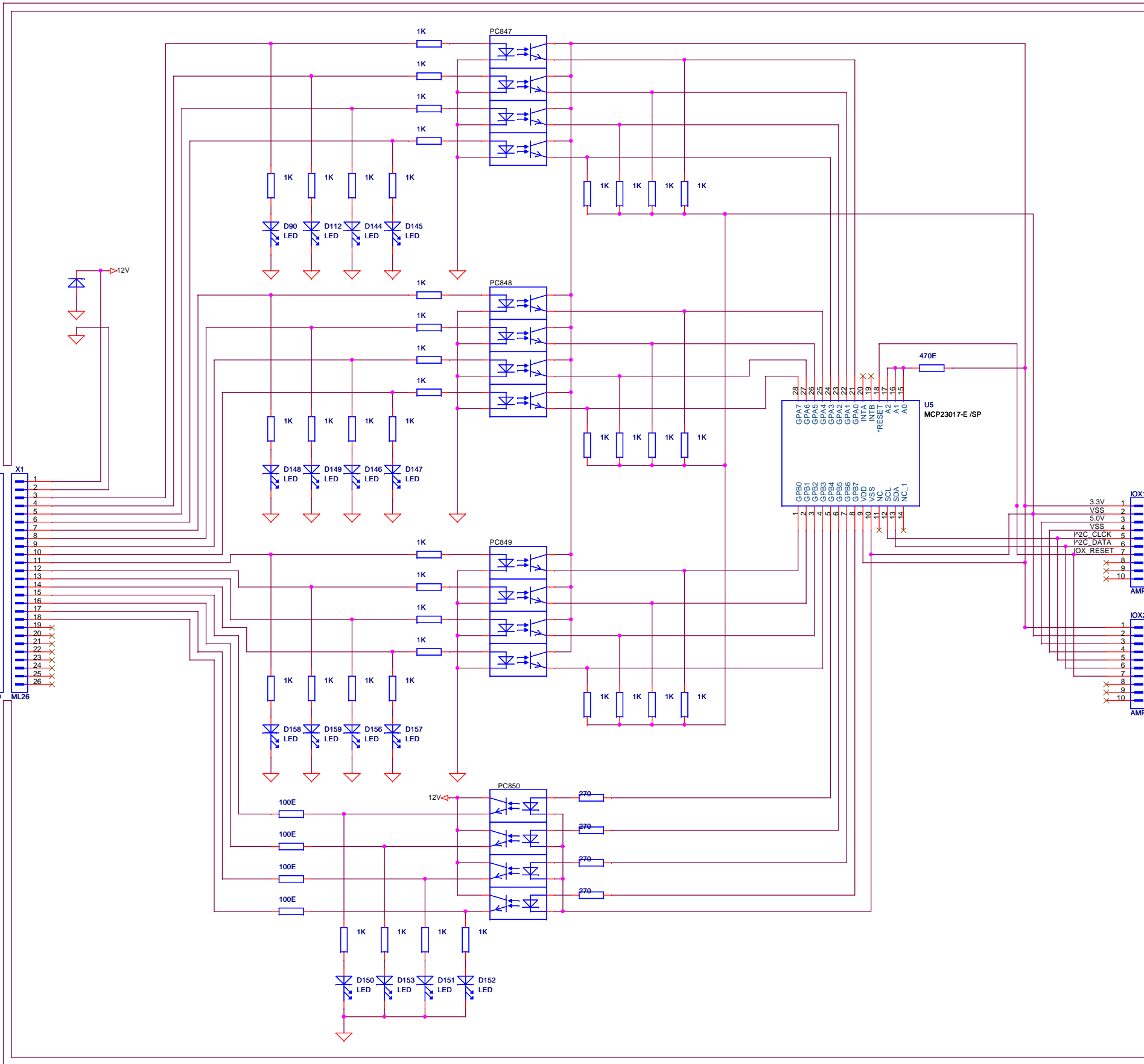
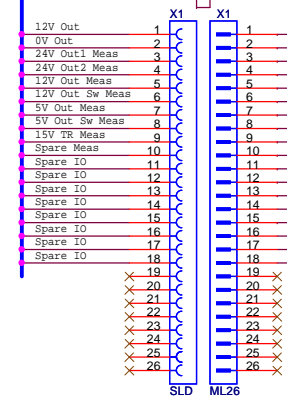








FY - PWM\_SUPPLY\_BOARD\_PG1\_66



FY - OPTO\_BOARD\_2\_MISC\_PG5\_67

SPARE I^2C CONNECTION



