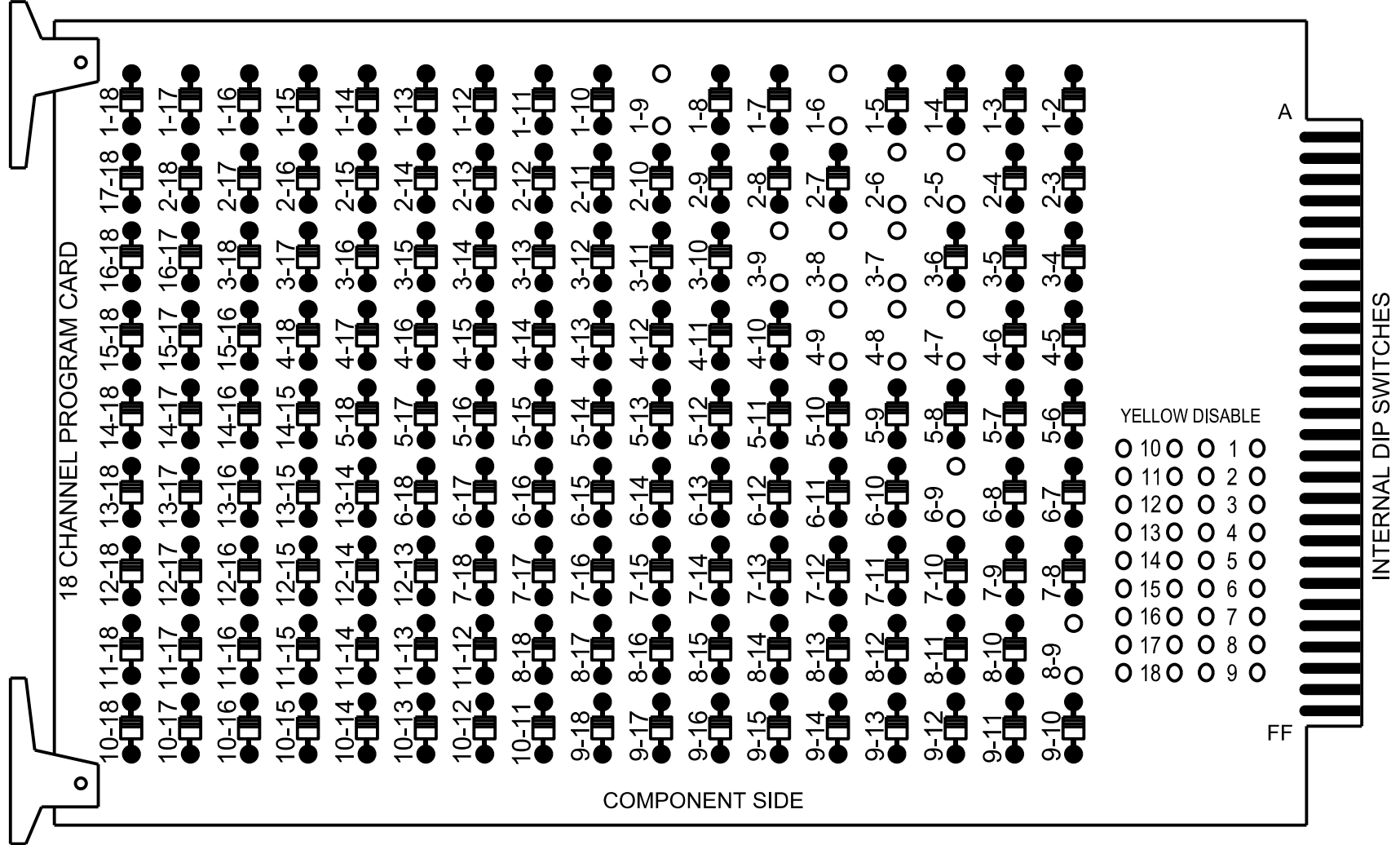


18 CHANNEL IP CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

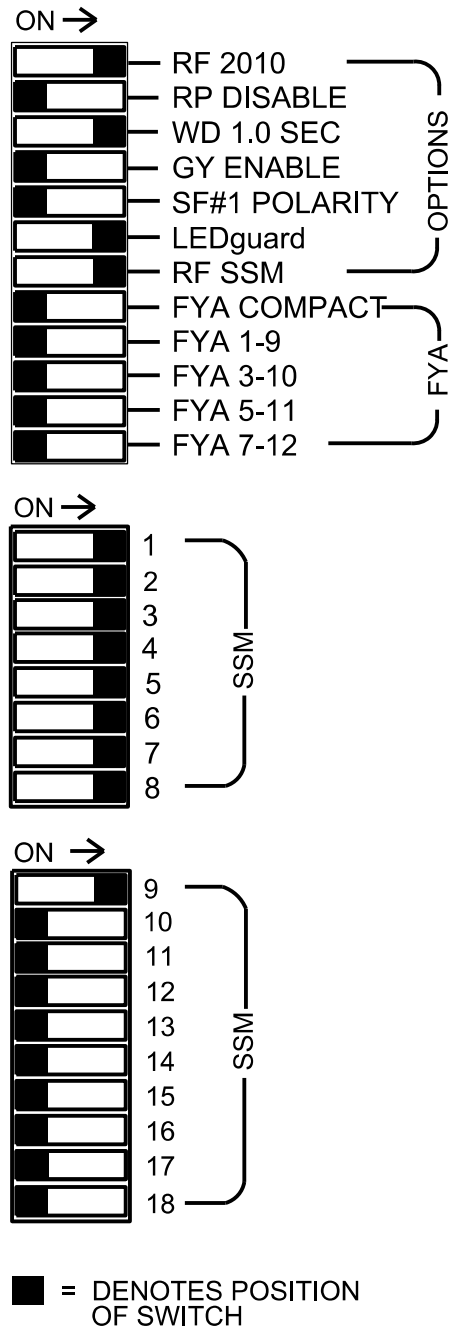
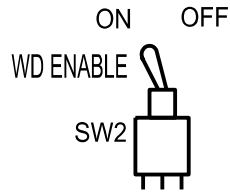
REMOVE DIODE JUMPERS 1-6, 1-9, 2-5, 2-6, 3-7, 3-8, 3-9, 4-7, 4-8, 4-9, 6-9 and 8-9.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that the Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the Fayetteville System.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1,S2,S4,S5,S7,S8,
S10,S11,AUX S1
Phases Used.....1,2,3,4,5,6,7,8
Overlap "1".....*
Overlap "2".....NOT USED
Overlap "3".....NOT USED
Overlap "4".....NOT USED

*See overlap programming detail on sheet 2

PROJECT REFERENCE NO.	SHEET NO.
U-5798B	Sig. 5.1

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11,12	21,22	NU	31,32	22	41,42,43	NU	51	61,62	NU	71	62	81,82,85	NU	83,84	NU	NU	NU
RED		128				101			134				107		A121			
YELLOW		129				102			135				108					
GREEN		130				103			136				109					
RED ARROW	125			116				131			122							
YELLOW ARROW	126			117	117			132			123	123			A122			
GREEN ARROW	127			118	118			133			124	124			A123			

NU = Not Used

INPUT FILE POSITION LAYOUT

(front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	Ø 1 1A	Ø 1 1C	Ø 2 2A	S T O P T I M E	Ø 3 3A	Ø 4 4A	S T O P T I M E	S T O P T I M E	SYS. DET. S4A	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	FS DC ISOLATOR ST
FILE "J"	Ø 5 5A	Ø 6 6A	S T O P T I M E	S T O P T I M E	Ø 7 7A	Ø 8 8A	S T O P T I M E	S T O P T I M E	SYS. DET. S8A	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E	S T O P T I M E
	NOT USED	Ø 6 6B			NOT USED	NOT USED			NOT USED					

EX.: 1A, 2A, ETC. = LOOP NO.'S

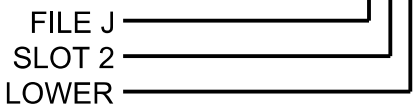
FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A	TB2-1,2	I1U	56	18	1	1			X		X	
1B	TB2-3,4	I1L	56	18	1	1			X		X	
1C	TB2-5,6	I2U	39	1	2	1	15,0		X		X	
1D	TB2-7,8	I2L	43	5	3	1	15,0		X		X	
2A	TB2-9,10	I3U	63	29	4	2			X	X	X	
2B	TB2-11,12	I3L	76	42	5	2			X	X	X	
3A	TB4-5,6	I5U	58	20	7	3			X		X	
3B	TB4-7,8	I5L	58	20	7	3			X		X	
4A	TB4-9,10	I6U	41	3	8	4			X		X	
4B	TB4-11,12	I6L	45	7	9	4	10,0		X		X	
5A	TB3-1,2	J1U	55	17	15	5			X		X	
6A	TB3-5,6	J2U	40	2	16	6			X	X	X	
6B	TB3-7,8	J2L	44	6	17	6			X	X	X	
7A	TB5-5,6	J5U	57	19	21	7	3,0		X		X	
8A	TB5-9,10	J6U	42	4	22	8			X		X	
*S4A	TB6-9,10	I9U	60	22	13	SYS			-		-	
*S4B	TB6-11,12	I9L	62	24	14	SYS			-		-	
*S8A	TB7-9,10	J9U	59	21	27	SYS			-		-	

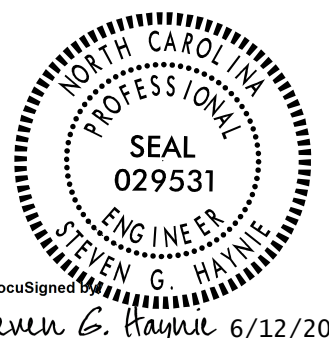
*System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0849
DESIGNED: June 2025
SEALED: 6/12/2025
REVISED: N/A

Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		US 401 (S Raeford Road) at SR 1102 (Gillis Hill Road)		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared for the Offices of:  750 N. Greenfield Pkwy, Garner, NC 27529		Division 6 Cumberland County Fayetteville PLAN DATE: June 2025 REVIEWED BY: O. Drobný PREPARED BY: S.G. Haynie REVIEWED BY:		SEAL  DocuSign Steven G. Haynie 6/12/2025 SIGNATURE DATE SIG. INVENTORY NO. 06-0849	
REVISIONS		INIT.		DATE	

RS&H
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