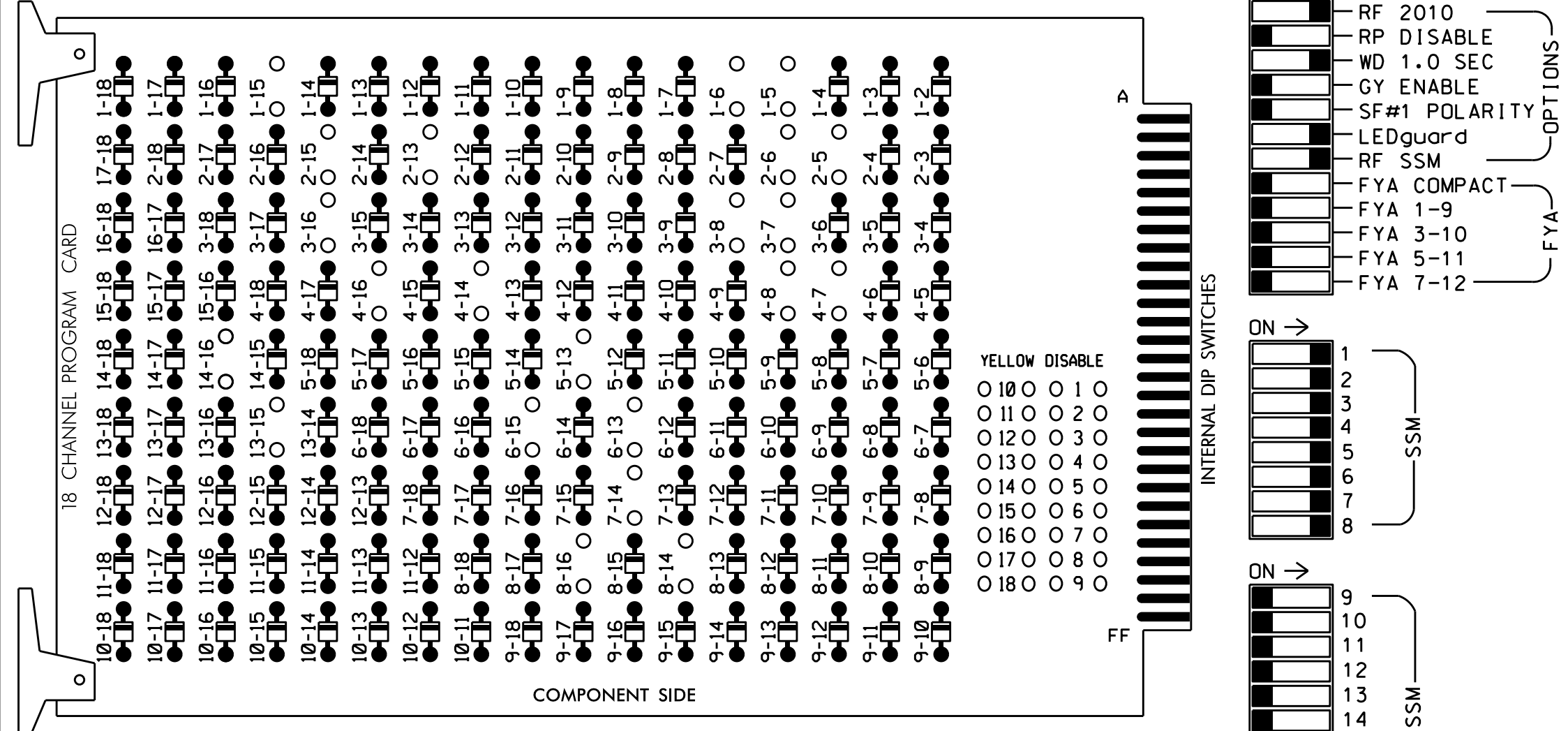


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-15, 2-5, 2-6, 2-13, 2-15, 3-7, 3-8, 3-16, 4-7, 4-8, 4-14, 4-16, 5-13, 6-13, 6-15, 7-14, 8-14, 8-16, 13-15, and 14-16.



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 Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2, 4, 6 and 8 for 'STARTUP PED CALL'.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the NC 119 Closed Loop System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,
 S9,S10,S11,S12
 PHASES USED.....1,2,2PED,3,4,4PED,5,6,6PED,7,8,8PED
 OVERLAP 'A'.....NOT USED
 OVERLAP 'B'.....NOT USED
 OVERLAP 'C'.....NOT USED
 OVERLAP 'D'.....NOT USED

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	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	11,12	82	21,22 23,24	P21, P22	23	31,32	41,42 43	P41, P42	42	51	61,62 63,64	P61, P62	63	71	81,82 83	P81, P82	NU	NU	NU
RED		128			101			134			107								
YELLOW		129			102			135			108								
GREEN		130			103			136			109								
RED ARROW	125			116			131			122									
YELLOW ARROW	126	126		117	117		132	132		123	123								
GREEN ARROW	127	127		118	118		133	133		124	124								
				113			104			119									
							106			121									

NU = Not Used

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

INPUT FILE POSITION LAYOUT

(front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I" U L	∅ 1 1A	∅ 1 1B	∅2/SYS 2A/S6	∅2/SYS 2C/S8	∅ 3 3A	∅ 4 4A	S -OF	S -OF	S -OF	S -OF	S -OF	∅2 PED DC ISOLATOR	∅6 PED DC ISOLATOR	FS DC ISOLATOR
	NOT USED	∅ 1 1C	∅2/SYS 2B/S7	NOT USED	∅ 3 3B	NOT USED	S -OF	S -OF	S -OF	S -OF	S -OF	∅4 PED DC ISOLATOR	∅8 PED DC ISOLATOR	ST DC ISOLATOR
FILE "J" U L	S -OF	∅ 5 5A	∅6/SYS 6A/S9	∅6/SYS 6C/S11	∅ 7 7A	∅ 8 8A	S -OF	S -OF	S -OF	S -OF	S -OF	S -OF	S -OF	S -OF
	S -OF	∅ 5 5B	∅6/SYS 6B/S10	NOT USED	NOT USED	NOT USED	S -OF	S -OF	S -OF	S -OF	S -OF	S -OF	S -OF	S -OF

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

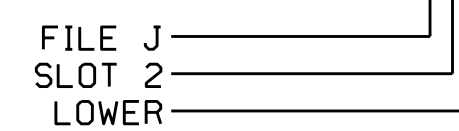
FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB2-1,2	I1U	56	18	1	1	Y	Y			
1B	TB2-5,6	I2U	39	1	2	1	Y	Y			
1C	TB2-7,8	I2L	43	5	12	1	Y	Y			15
2A/S6	TB2-9,10	I3U	63	25	32	2/SYS	Y	Y			
2B/S7	TB2-11,12	I3L	76	38	42	2/SYS	Y	Y			
2C/S8	TB4-1,2	I4U	47	9	22	2/SYS	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
3B	TB4-7,8	I5L	58	20	3	3	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
5A	TB3-5,6	J2U	40	2	6	5	Y	Y			
5B	TB3-7,8	J2L	44	6	16	5	Y	Y			15
6A/S9	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
6B/S10	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y			
6C/S11	TB5-1,2	J4U	48	10	26	6/SYS	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

NOTE:
 INSTALL DC ISOLATORS
 IN INPUT FILE SLOTS
 I12 AND I13.

INPUT FILE POSITION LEGEND: J2L



INPUT FILE CONNECTION & PROGRAMMING CHART

THIS ELECTRICAL DETAIL IS FOR
 THE SIGNAL DESIGN: 07-1553
 DESIGNED: November 2016
 SEALED: 1/25/2017
 REVISED: N/A

Electrical Detail - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	NC 119 at NC 119 Bus. (S. 5th Street) and SR 1962 (3rd Street)		SEAL KEITH M. MINNS ENGINEER
	Division 7 Alamance County Mebane PLAN DATE: January 2017 REVIEWED BY: BAS PREPARED BY: S. Armstrong REVIEWED BY:		
REVISIONS INIT. DATE		DocuSigned by: Keith M. Minns 1/26/2017 2F80768EC02445 DATE	
		SIG. INVENTORY NO. 07-1553	