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ALL DIMENSION TOLERANCES UNLESS NOTED

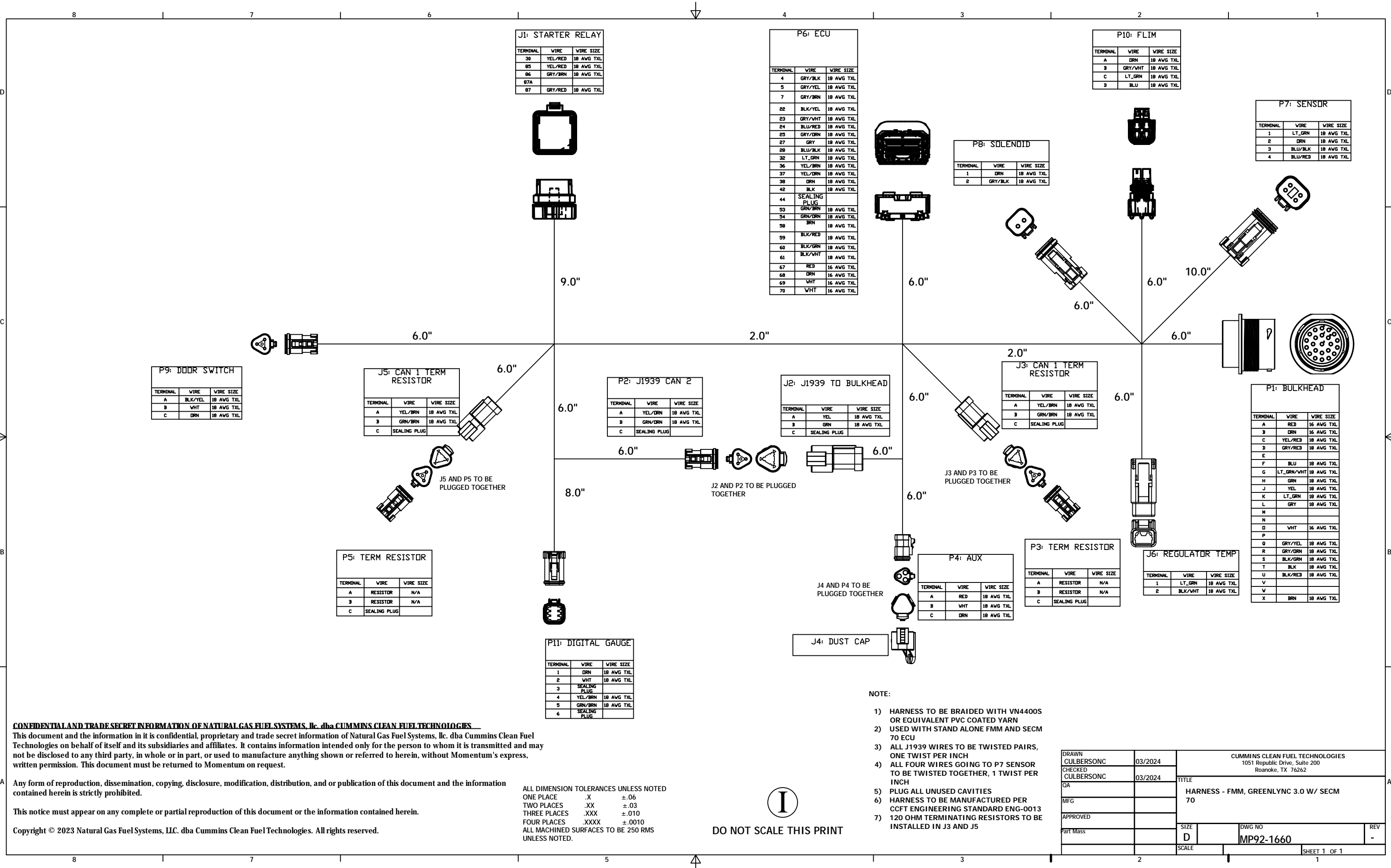
ONE PLACE	.X	±.06
TWO PLACES	.XX	±.03
THREE PLACES	.XXX	±.010
FOUR PLACES	.XXXX	±.0010

ALL MACHINED SURFACES TO BE 250 RMS UNLESS NOTED.



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DRAWN CULBERSONC	03/2024	CUMMINS CLEAN FUEL TECHNOLOGIES 1051 Republic Drive, Suite 200 Roanoke, TX 76262	
CHECKED CULBERSONC	03/2024	TITLE	
QA		HARNES - FMM, GREENLYNC 3.0, W/ SECM 70 ECU	
MFG		SIZE D	DWG NO MP92-1660
APPROVED		SCALE	REV -
Part Mass			SHEET 1 OF 1



J1: STARTER RELAY

TERMINAL	WIRE	WIRE SIZE
30	YEL/RED	18 AVG TXL
85	YEL/RED	18 AVG TXL
86	GRY/BRN	18 AVG TXL
87A		
87	GRY/RED	18 AVG TXL

P6: ECU

TERMINAL	WIRE	WIRE SIZE
4	GRY/BLK	18 AVG TXL
5	GRY/YEL	18 AVG TXL
7	GRY/BRN	18 AVG TXL
22	BLK/YEL	18 AVG TXL
23	GRY/WHT	18 AVG TXL
24	BLU/RED	18 AVG TXL
25	GRY/DRN	18 AVG TXL
27	GRY	18 AVG TXL
28	BLU/BLK	18 AVG TXL
32	LT_GRN	18 AVG TXL
36	YEL/BRN	18 AVG TXL
37	YEL/DRN	18 AVG TXL
38	DRN	18 AVG TXL
42	BLK	18 AVG TXL
44	SEALING PLUG	
53	GRN/BRN	18 AVG TXL
54	GRN/DRN	18 AVG TXL
58	BRN	18 AVG TXL
59	BLK/RED	18 AVG TXL
60	BLK/GRN	18 AVG TXL
61	BLK/WHT	18 AVG TXL
67	RED	16 AVG TXL
68	DRN	16 AVG TXL
69	WHT	16 AVG TXL
70	WHT	16 AVG TXL

P10: FLIM

TERMINAL	WIRE	WIRE SIZE
A	DRN	18 AVG TXL
B	GRY/WHT	18 AVG TXL
C	LT_GRN	18 AVG TXL
D	BLU	18 AVG TXL

P7: SENSOR

TERMINAL	WIRE	WIRE SIZE
1	LT_GRN	18 AVG TXL
2	DRN	18 AVG TXL
3	BLU/BLK	18 AVG TXL
4	BLU/RED	18 AVG TXL

P8: SOLENOID

TERMINAL	WIRE	WIRE SIZE
1	DRN	18 AVG TXL
2	GRY/BLK	18 AVG TXL

P9: DOOR SWITCH

TERMINAL	WIRE	WIRE SIZE
A	BLK/YEL	18 AVG TXL
B	WHT	18 AVG TXL
C	DRN	18 AVG TXL

J5: CAN 1 TERM RESISTOR

TERMINAL	WIRE	WIRE SIZE
A	YEL/BRN	18 AVG TXL
B	GRN/BRN	18 AVG TXL
C	SEALING PLUG	

P2: J1939 CAN 2

TERMINAL	WIRE	WIRE SIZE
A	YEL/DRN	18 AVG TXL
B	GRN/DRN	18 AVG TXL
C	SEALING PLUG	

J2: J1939 TO BULKHEAD

TERMINAL	WIRE	WIRE SIZE
A	YEL	18 AVG TXL
B	GRN	18 AVG TXL
C	SEALING PLUG	

J3: CAN 1 TERM RESISTOR

TERMINAL	WIRE	WIRE SIZE
A	YEL/BRN	18 AVG TXL
B	GRN/BRN	18 AVG TXL
C	SEALING PLUG	

P1: BULKHEAD

TERMINAL	WIRE	WIRE SIZE
A	RED	16 AVG TXL
B	DRN	16 AVG TXL
C	YEL/RED	18 AVG TXL
D	GRY/RED	18 AVG TXL
E		
F	BLU	18 AVG TXL
G	LT_GRN/WHT	18 AVG TXL
H	GRN	18 AVG TXL
J	YEL	18 AVG TXL
K	LT_GRN	18 AVG TXL
L	GRY	18 AVG TXL
M		
N		
D	WHT	16 AVG TXL
P		
Q	GRY/YEL	18 AVG TXL
R	GRY/DRN	18 AVG TXL
S	BLK/GRN	18 AVG TXL
T	BLK	18 AVG TXL
U	BLK/RED	18 AVG TXL
V		
W		
X	BRN	18 AVG TXL

P5: TERM RESISTOR

TERMINAL	WIRE	WIRE SIZE
A	RESISTOR	N/A
B	RESISTOR	N/A
C	SEALING PLUG	

P4: AUX

TERMINAL	WIRE	WIRE SIZE
A	RED	18 AVG TXL
B	WHT	18 AVG TXL
C	DRN	18 AVG TXL

P3: TERM RESISTOR

TERMINAL	WIRE	WIRE SIZE
A	RESISTOR	N/A
B	RESISTOR	N/A
C	SEALING PLUG	

J6: REGULATOR TEMP

TERMINAL	WIRE	WIRE SIZE
1	LT_GRN	18 AVG TXL
2	BLK/WHT	18 AVG TXL

P11: DIGITAL GAUGE

TERMINAL	WIRE	WIRE SIZE
1	DRN	18 AVG TXL
2	WHT	18 AVG TXL
3	SEALING PLUG	
4	YEL/BRN	18 AVG TXL
5	GRN/BRN	18 AVG TXL
6	SEALING PLUG	

J4: DUST CAP

- NOTE:**
- 1) HARNESS TO BE BRAIDED WITH VN4400S OR EQUIVALENT PVC COATED YARN USED WITH STAND ALONE FMM AND SECM 70 ECU
 - 2) ALL J1939 WIRES TO BE TWISTED PAIRS, ONE TWIST PER INCH
 - 3) ALL FOUR WIRES GOING TO P7 SENSOR TO BE TWISTED TOGETHER, 1 TWIST PER INCH
 - 4) PLUG ALL UNUSED CAVITIES
 - 5) HARNESS TO BE MANUFACTURED PER CCFT ENGINEERING STANDARD ENG-0013
 - 6) 120 OHM TERMINATING RESISTORS TO BE INSTALLED IN J3 AND J5

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