

**J2 FMM INTERFACE  
DEUTSCH DT04-12PA  
W12P**

TERMINAL	WIRE	WIRE SIZE
1	N/A	N/A
2	ORN	18 AWG TXL
3	WHT	18 AWG TXL
4	BLU/RED	18 AWG TXL
5	BLU/WHT	18 AWG TXL
6	GRY/BLU	18 AWG TXL
7	N/A	N/A
8	YEL/BLU	18 AWG TXL
9	WHT	18 AWG TXL
10	YEL/RED	18 AWG TXL
11	PRP	18 AWG TXL
12	N/A	N/A

**P5 PLUG  
DEUTSCH  
DT04-12PA AND  
SEALS**

**P5 CHASSIS INTERFACE  
DEUTSCH DT06-12SA  
W12S**

TERMINAL	WIRE	WIRE SIZE
1	N/A	N/A
2	ORN	18 AWG TXL
3	WHT	18 AWG TXL
4	BLU/RED	18 AWG TXL
5	BLU/WHT	18 AWG TXL
6	N/A	N/A
7	N/A	N/A
8	YEL/BLU	18 AWG TXL
9	WHT	18 AWG TXL
10	YEL/RED	18 AWG TXL
11	PRP	18 AWG TXL
12	N/A	N/A

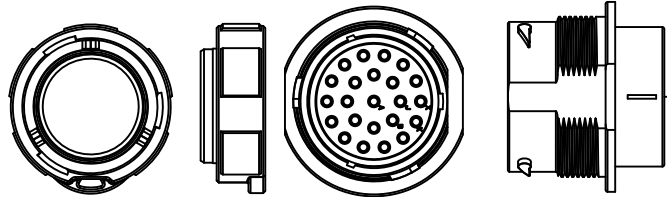
**P2 FLIM  
DELPHI 12015798**

TERMINAL	WIRE	WIRE SIZE
A	ORN	18 AWG TXL
B	GRY/YEL	18 AWG TXL
C	WHT	18 AWG TXL
D	BLU	18 AWG TXL

**P1 ECU  
DELPHI 12129225 W/  
STRAIN RELF 21260848**

TERMINAL	WIRE	WIRE SIZE
1	N/A	N/A
2	ORN	18 AWG TXL
3	N/A	N/A
4	N/A	N/A
5	BLU/WHT	18 AWG TXL
6	N/A	N/A
7	N/A	N/A
8	GRN	18 AWG TXL
9	YEL	18 AWG TXL
10	BLK	18 AWG TXL
11	GRY/BLU	18 AWG TXL
12	GRY/BLK	18 AWG TXL
13	ORN	18 AWG TXL
14	WHT	18 AWG TXL
15	GRY	18 AWG TXL
16	BLU/RED	18 AWG TXL
17	GRY/RED	18 AWG TXL
18	N/A	N/A
19	N/A	N/A
20	WHT/RED	18 AWG TXL
21	N/A	N/A
22	GRY/ORN	18 AWG TXL
23	BRN	18 AWG TXL
24	GRY/YEL	18 AWG TXL

**J1 PLUG DEUTSCH  
HDC26-24**



**J1 CHASSIS INTERFACE DEUTSCH HDP24-24-23PN**

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

**J3 TERMINATING  
RESISTOR  
DEUTSCH DT04-3P**

TERMINAL	WIRE	WIRE SIZE
A	YEL	18 AWG TXL
B	GRN	18 AWG TXL
C	N/A	N/A

**J3 PLUG DEUTSCH  
DT06-3S AND  
SEALS**

**P4 FUEL RELAY  
DELPHI 12065686**

TERMINAL	WIRE	WIRE SIZE
30	ORN	18 AWG TXL
85	ORN	18 AWG TXL
86	GRY/ORN	18 AWG TXL
87A	N/A	N/A
87	YEL/BLU	18 AWG TXL

**P3 STARTER RELAY  
DELPHI 12065686**

TERMINAL	WIRE	WIRE SIZE
30	YEL/RED	18 AWG TXL
85	YEL/RED	18 AWG TXL
86	GRY/BLK	18 AWG TXL
87A	N/A	N/A
87	PRP	18 AWG TXL

**NOTES:**

- HARNESS TO BE BRAIDED WITH VN4400S OR EQUIVALENT PVC COATED YARN**
- USE WITH VERTICAL FMM W/ ELECTRONICS**
- REPLACES MP92-1027**

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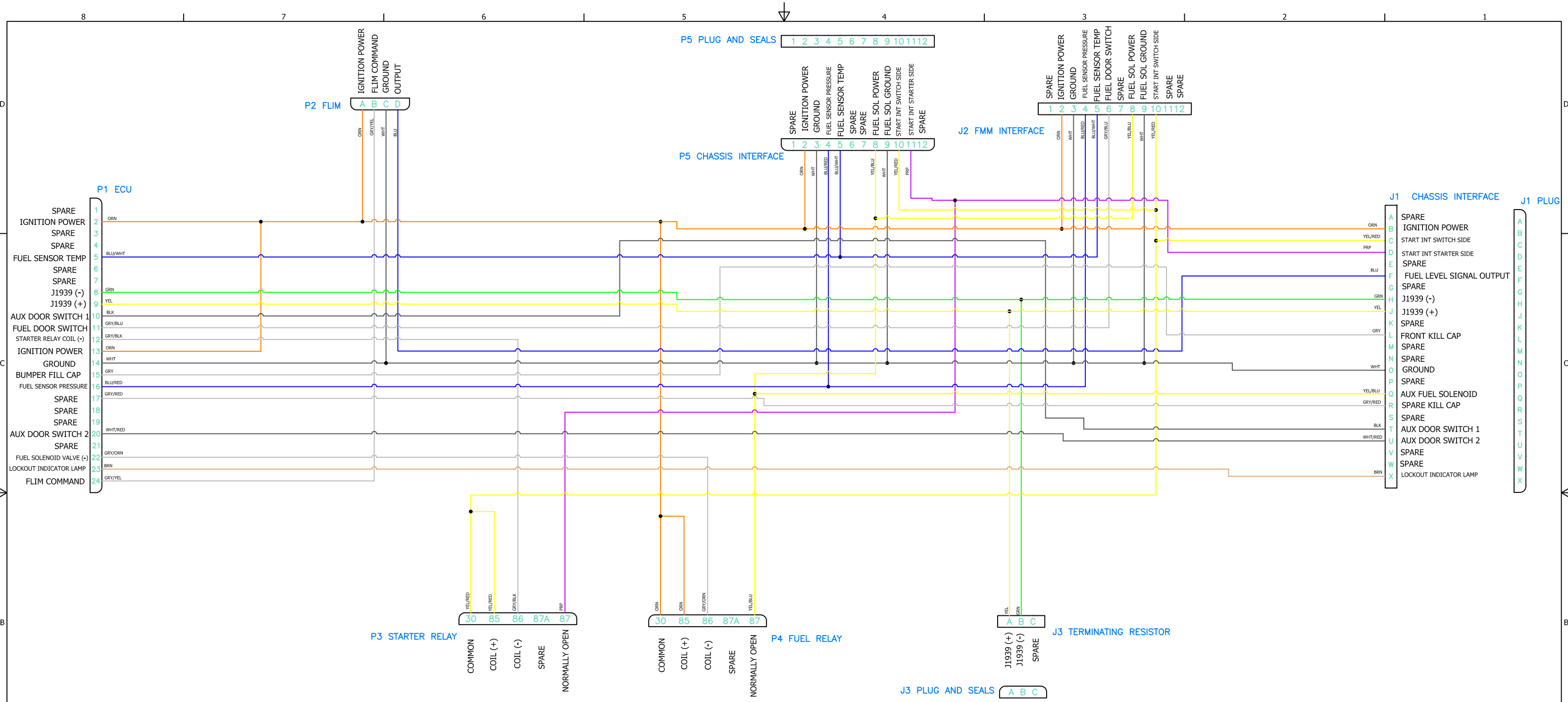
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ALL DIMENSION TOLERANCES UNLESS NOTED  
 ONE PLACE .X ±.06  
 TWO PLACES .XX ±.03  
 THREE PLACES .XXX ±.010  
 FOUR PLACES .XXXX ±.0010  
 ALL MACHINED SURFACES TO BE 250 RMS UNLESS NOTED.



DO NOT SCALE THIS PRINT

DRAWN brummern	5/4/2017	MOMENTUM FUEL TECHNOLOGIES 1051 Republic Drive, Suite 200 Roanoke, TX 76262	
CHECKED CULBERSONC	5/5/2017	TITLE <b>HARNESS- ELECTRONICS VERTICAL FMM</b>	
QA			
MFG			
APPROVED CULBERSONC	5/5/2017	SIZE D	DWG NO MP92-1036
Part Mass		SCALE	REV
		SHEET 1 OF 2	



- NOTES:**
- HARNES TO BE BRAIDED WITH VN4400S OR EQUIVALENT PVC COATED YARN**
  - USE WITH VERTICAL FMM W/ ELECTRONICS**
  - REPLACES MP92-1027**

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CHECKED CULBERSONC	5/5/2017		
QA		TITLE <b>HARNES- ELECTRONICS VERTICAL FMM</b>	
MFG			
APPROVED CULBERSONC	5/5/2017	SIZE D	DWG NO MP92-1036
Part Mass		SCALE	REV
		SHEET 2 OF 2	