

General					Endpoint 1				Endpoint 2			
Wire ID	Signal Name	Notes	AWG	Color	Connector	Cavity	Terminal	Seal	Connector	Cavity	Terminal	Seal
1			16	Brown	Conn A	1	0-1326032-4	7158-3113-40				
2	BATPOS	Battery Positive	12	Red	Conn A	2	7116-4142-02	7158-3082-90				
3			20	Brown	Conn A	3	0-0638551-1					
4			20	Brown	Conn A	4	0-0638551-1					
5			20	Brown	Conn A	5	0-0638551-1					
6			20	Brown	Conn A	6	0-0638551-1					
7			20	Brown	Conn A	7	0-0638551-1					
8			20	Brown	Conn A	8	0-0638551-1					
9			20	Brown	Conn A	9	0-0638551-1					
10			20	Brown	Conn A	10	0-0638551-1					
11			20	Brown	Conn A	11	0-0638551-1					
12			20	Brown	Conn A	12	0-0638551-1					
13			20	Brown	Conn A	13	0-0638551-1					
14			20	Brown	Conn A	14	0-0638551-1					
15			20	Brown	Conn A	15	0-0638551-1					
16			12	Brown	Conn A	16	7116-4142-02	7158-3082-90				
17			16	Brown	Conn A	17	0-1326032-4	7158-3113-40				
18			20	Brown	Conn A	18	0-0638551-1					
19			20	Brown	Conn A	19	0-0638551-1					
20			20	Brown	Conn A	20	0-0638551-1					
21			20	Brown	Conn A	21	0-0638551-1					
22			20	Brown	Conn A	22	0-0638551-1					
23			20	Brown	Conn A	23	0-0638551-1					
24			20	Brown	Conn A	24	0-0638551-1					
25			20	Brown	Conn A	25	0-0638551-1					
26	Ignition		20	Green	Conn A	26	0-0638551-1					
27	FEPS		20	White / Yellow	Conn A	27	0-0638551-1					
28	CAN_H1	Twisted with Wire 43	20	White / Yellow	Conn A	28	0-0638551-1					
29	CAN_H2	Twisted with Wire 44	20	White / Yellow	Conn A	29	0-0638551-1					
30			16	Brown	Conn A	30	0-1326032-4	7158-3113-40				
31	BATNEG	Battery Negative	12	Black	Conn A	31	7116-4142-02	7158-3082-90				
32			20	Brown	Conn A	32	0-0638551-1					
33			20	Brown	Conn A	33	0-0638551-1					
34			20	Brown	Conn A	34	0-0638551-1					
35			20	Brown	Conn A	35	0-0638551-1					
36			20	Brown	Conn A	36	0-0638551-1					
37			20	Brown	Conn A	37	0-0638551-1					
38			20	Brown	Conn A	38	0-0638551-1					
39			20	Brown	Conn A	39	0-0638551-1					
40			20	Brown	Conn A	40	0-0638551-1					
41			20	Brown	Conn A	41	0-0638551-1					
42			20	Brown	Conn A	42	0-0638551-1					
43	CAN_L1	Twisted with Wire 28	20	Green	Conn A	43	0-0638551-1					
44	CAN_L2	Twisted with Wire 29	20	Green	Conn A	44	0-0638551-1					
45			12	Brown	Conn A	45	7116-4142-02	7158-3082-90				
46			16	Brown	Conn A	46	0-1326032-4	7158-3113-40				



ENGINEER Jeremy Swanson	TITLE M250 Pigtail Loom	
DESIGNER Jeremy Swanson		
DATE 24Nov2015	PART NO. See "Part Numbers" table	ISSUE 3
RELEASE FILE NAME 60T-063456DD-3.pdf	DWG NO. 60T-063456DD	

WORKING COPY FILE PATH
https://apple.ps.local/svn/OpenECU_HW/Development/Trunk/Detailed Design/Products/Looms/60T-063456DD_M250PigtailLoom.vsd

Part Numbers

Part Number	Length A	Braid
60T-063456-02M00-00A	1828 mm (6 ft)	Y
60T-063456-02M00-00B	3457 mm (12 ft)	Y
60T-063456-02M00-00C	As quoted	Y
60T-063456-02M00-00D	1828 mm (6 ft)	N
60T-063456-02M00-00E	3457 mm (12 ft)	N
60T-063456-02M00-00F	As quoted	N

Notes

1	Drawing not to scale.
2	All flying leads to be semi-stripped/slugged 10 mm from end.
3	Label all wires per Wire List with id number 100 mm from end of flying leads.
4	Use Automotive Braid only as called for by the Part Numbers table.
5	Harness label to read full part number as selected.
6	When used, Automotive Braid must be secured at both ends against potential fraying.
7	When automotive braid is not used, harness must be secured by zip tie every 300 mm.
8	Unless otherwise marked, all wires specified as TXL
9	Wires under the plastic boot for Conn A must be secured against movement.
10	Twisted pair wires must maintain a twist rate 40 twists / m \pm 15%
11	Unless otherwise marked, all dimension tolerances are \pm 5%.

Bill Of Materials

Connector	Mfr	Part Number	Description	Quantity
Conn A	Tyco	0-1326110-1	EBC-44-46-Way Lever Assist Connector	1
	Tyco	0-1326113-1	Plastic boot for Tyco 46 Way Lever Assist Connector	1
	Tyco	0-0638551-1	0.64mm Tyco Terminal	38
	Tyco	0-1326032-4	2.8mm Tyco Terminal	4
	Yazaki	7116-4142-02	6.3mm Yazaki Terminal	4
	Yazaki	7158-3082-90	12 AWG Blue Seal	4
	Yazaki	7158-3113-40	16 AWG White Seal	4
			Automotive braid, ½", Flame Resistant to VW-1, -40C to 105C (min), Black	*AR
			Harness Label, yellow w/ 36 pt black font	1
			Wire Labels	46

*AR: As Required

