

Title:	
Part Number:	HRN000124-00-E
Description:	Hi-Dynamic EOL - ATE to UUT and Motor Cable



Flag (Flag Quantity Note							
	()	Manufacture and test the cable according to IPC-A-620						
1		Test the cable for connectivity, disconnection, mis-wires and resistance						
	1	S4 : JUMPER LINE C2.17 TO C2.26						
3	0	LABEL AS SHOWN						

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Title:	
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Id	Туре	Manufacturer	Part Number	Description	Quantity	IPN
	1 Connector	Amphenol	L717HDC62P	Conn High Density D-Sub PIN 62 POS Solder RA	1	CON000040
				Thru-Hole 62 Terminal 1 Port		
	2 Backshell	MH Connectors	CON000358	MHDPPK - Slim Design Snap Together Top Entry	1	MHDPPK37-K
				D-Type Hoods		
	3 Connector	TE Connectivity	776164-1	Conn Housing PL 35 POS 4mm Crimp ST Cable Mount	1	CON000302
				Automotive Package		
1	4 Contact	TE Connectivity / AMP	770520-5	Automotive Terminals, Socket, 20-22 AWG Wire	35	CON000303
				Size, Family Seal, AMPSEAL TE Connectivity		
				770520-5		
	5 Backshell	TE Connectivity	7764631	TE CONNECTIVITY 776463-1 Strain Relief AMPSEAL 35p		CON000281
	6 THRD FORMING SCREW	GNRL.	WN1412	Thread-Forming Screw for Plastic PH. ST. #4x1/4	2	FST000280
				(KA30x6)		
	7 Connector	Amphenol Sine Systems	CON000355	Connector PLUG 8POS 14-20AWG SIZE 16, AT Series	1	AT06-08SA
				Amphenol Sine Systems AT06-08SA		
	8 Lock	Amphenol Sine Systems	AW8S	Wedgelock Connector Plug, 8 Position, Green, AT	1	
				Series Amphenol Sine Systems AW8S		
	9 Contact	Amphenol Sine Systems	CON000357	This size 16 female machined contact from Amp	8	AT62-201-16141
				Sine is nickel plated and operates at 13A.		
	10 Splice				4	
	11 Wire	GNRL.	MAT000011	24 AWG WIRE - GREEN		MAT000011
	12 Wire	GNRL.	MAT000010	24 AWG WIRE - YELLOW		MAT000010
	13 Wire	GNRL.	UL 1569 24 AWG BLACK	24 AWG WIRE - BLACK		MAT000009
	14 Wire	GNRL.	MAT000007	24 AWG WIRE - RED	8750 mm	MAT000007
	15 Wire		24AWG		21000 mm	
	16 Wire	Generic	UL 1569 22 AWG GRAY	Generic Wire		MAT000123
	17 Wire		UL 1569 22 AWG BROWN	Generic Wire		MAT000088
	18 Wire		UL 1569 22 AWG Blue	Generic Wire	1100 mm	MAT000089
	19 Wire		UL 1569 22 AWG ORANGE	Generic Wire	1100 mm	MAT000091
	20 Wire		UL 1569 22 AWG White	Generic Wire		MAT000093
	21 Wire		UL 1569 22 AWG Green	Generic Wire	1100 mm	MAT000084
	22 Wire		UL 1569 22 AWG Black	Generic Wire	1350 mm	MAT000087
	23 Sleeving	TE Connectivity / Raychem	DR-25-3/8-0-MS-SP	HEAT SHRINK TUBING DR-25 3/8	350 mm	
	24 Sleeving	Panduit	SE50P-DR0	Cable Accessories Braided Expandable Sleeving	1750 mm	MAT000108
				Polyethylene Terephthalate Black Reel		

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From	То	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	To Contact PN	From Wire Seal PN	To Wire Seal PN	Notes
C1.1	S1	W5.Yellow	MAT000010		24 AWG	1650 mm					CAN_1_H
C1.2	C2.4	W8.Yellow	MAT000010		24 AWG	1750 mm		770520-5			CAN_2_H
C1.6	C2.22	W18.Gray	24AWG		24 AWG	1750 mm		770520-5			D_IN1
C1.7	C2.2	W19.Gray	24AWG		24 AWG	1750 mm		770520-5			D_IN2
C1.8	C2.34	W20.Gray	24AWG		24 AWG	1750 mm		770520-5			D_IN3
C1.9	C2.5	W21.Gray	24AWG		24 AWG	1750 mm		770520-5			D_OUT1
C1.11	C2.24	W22.Gray	24AWG		24 AWG	1750 mm		770520-5			HVIL1
C1.12	C2.6	W15.Black	UL 1569 24 AWG BLACK		24 AWG	1750 mm		770520-5			GND
C1.13	C2.8	W24.Gray	24AWG		24 AWG	1750 mm		770520-5			A_IN1
C1.17	C2.20	W14.Black	UL 1569 24 AWG BLACK		24 AWG	1750 mm		770520-5			GND
C1.18	C2.7	W34.Red	MAT000007		24 AWG	1750 mm		770520-5			5VDC_CAN
C1.20	C2.27	W35.Red	MAT000007		24 AWG	1750 mm		770520-5			5VDC_Supply
C1.22	S2	W1.Green	MAT000011		24 AWG	1650 mm					CAN_1_L
C1.23	C2.3	W4.Green	MAT000011		24 AWG	1750 mm		770520-5			CAN_2_L
C1.28	C2.14	W25.Gray	24AWG		24 AWG	1750 mm		770520-5			D_IN4 (Brake)
C1.30	C2.15	W26.Gray	24AWG		24 AWG	1750 mm		770520-5			D_OUT2
C1.32	C2.25	W23.Gray	24AWG		24 AWG	1750 mm		770520-5			HVIL2
C1.34	C2.9	W27.Gray	24AWG		24 AWG	1750 mm		770520-5			A_IN2
C1.41	C2.28	W36.Red	MAT000007		24 AWG	1750 mm		770520-5			5VDC_Supply
C1.42	C2.23	W17.Red	MAT000007		24 AWG	1750 mm		770520-5			KL30 (VSW)
C1.43	S3	W9.Black	UL 1569 24 AWG BLACK		24 AWG	100 mm					CAN_1_GND
C1.44	S3	W10.Black	UL 1569 24 AWG BLACK		24 AWG	100 mm					CAN_2_GND
C1.50	C2.1	W16.Red	MAT000007		24 AWG	1750 mm		770520-5			KL15 (DIG_9)
C1.51	C2.16	W28.Gray	24AWG		24 AWG	1750 mm		770520-5			D_OUT3
C1.53	C3.7	W39.Gray	UL 1569 22 AWG GRAY	W40	22 AWG	1350 mm		CON000357			M_Temp
C1.54	C3.8	W40.Black	UL 1569 22 AWG Black	W39	22 AWG	1350 mm		CON000357			M_TEMP_RTN
C1.55	C2.19	W29.Gray	24AWG		24 AWG	1750 mm		770520-5			A_IN3 (Motor Temp sim)
C2.17	S4	W12.Black	UL 1569 24 AWG BLACK		24 AWG	100 mm	770520-5				DIG_REF
C2.18	C3.1	W30.Gray	UL 1569 22 AWG GRAY	W31	22 AWG	1100 mm	770520-5	CON000357			EXC_P
C2.21	C3.2	W31.Brown	UL 1569 22 AWG BROWN	W30	22 AWG	1100 mm	770520-5	CON000357			EXC_N
C2.26	S4	W13.Black	UL 1569 24 AWG BLACK		24 AWG	100 mm	770520-5				DIG_REF
C2.29	C3.3	W32.Blue	UL 1569 22 AWG Blue	W33	22 AWG	1100 mm	770520-5	CON000357			SIN_P
C2.30	C3.4	W33.Orange	UL 1569 22 AWG ORANGE	W32	22 AWG	1100 mm	770520-5	CON000357			SIN_N
C2.32	C3.5	W37.White	UL 1569 22 AWG White	W38	22 AWG	1100 mm	770520-5	CON000357			COS_P
C2.33	C3.6	W38.Green	UL 1569 22 AWG Green	W37	22 AWG	1100 mm	770520-5	CON000357			COS_N
S1	C2.12	W6.Yellow	MAT000010		24 AWG	100 mm		770520-5			CAN_1_H
S1	C2.13	W7.Yellow	MAT000010		24 AWG	100 mm		770520-5			CAN_1_T1
S2	C2.10	W3.Green	MAT000011		24 AWG	100 mm		770520-5			CAN_1_T2
S2	C2.11	W2.Green	MAT000011		24 AWG	100 mm		770520-5			CAN_1_L
S3	C2.35	W11.Black	UL 1569 24 AWG BLACK		24 AWG	1650 mm		770520-5			CAN_GND

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Title:	
Part Number:	HRN000124-00-E
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#	Туре	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Wire	W1	GNRL.	MAT000011	Green	24 AWG	1650 mm	
2	Wire	W2	GNRL.	MAT000011	Green	24 AWG	100 mm	
3	Wire	W3	GNRL.	MAT000011	Green	24 AWG	100 mm	
4	Wire	W4	GNRL.	MAT000011	Green	24 AWG	1750 mm	
5	Wire	W5	GNRL.	MAT000010	Yellow	24 AWG	1650 mm	
6	Wire	W6	GNRL.	MAT000010	Yellow	24 AWG	100 mm	
7	Wire	W7	GNRL.	MAT000010	Yellow	24 AWG	100 mm	
8	Wire	W8	GNRL.	MAT000010	Yellow	24 AWG	1750 mm	
	Wire	W9		UL 1569 24 AWG BLACK	Black	24 AWG	100 mm	
	Wire	W10		UL 1569 24 AWG BLACK	Black	24 AWG	100 mm	
	Wire	W11		UL 1569 24 AWG BLACK	Black	24 AWG	1650 mm	
	Wire	W12		UL 1569 24 AWG BLACK	Black	24 AWG	100 mm	
	Wire	W13		UL 1569 24 AWG BLACK	Black	24 AWG	100 mm	
	Wire	W14		UL 1569 24 AWG BLACK	Black	24 AWG	1750 mm	
	Wire	W15		UL 1569 24 AWG BLACK	Black	24 AWG	1750 mm	
	Wire	W16	GNRL.	MAT000007	Red	24 AWG	1750 mm	
	Wire	W17	GNRL.	MAT000007	Red	24 AWG	1750 mm	
	Wire	W18		24AWG	Gray	24 AWG	1750 mm	
	Wire	W19		24AWG	Gray	24 AWG	1750 mm	
	Wire	W20		24AWG	Gray	24 AWG	1750 mm	
	Wire	W21		24AWG	Gray	24 AWG	1750 mm	
	Wire	W22		24AWG	Gray	24 AWG	1750 mm	
	Wire	W23		24AWG	Gray	24 AWG	1750 mm	
	Wire	W24		24AWG	Gray	24 AWG	1750 mm	
	Wire	W25		24AWG	Gray	24 AWG	1750 mm	
	Wire	W26		24AWG	Gray	24 AWG	1750 mm	
	Wire	W27		24AWG	Gray	24 AWG	1750 mm	
	Wire	W28		24AWG	Gray	24 AWG	1750 mm	
	Wire	W29		24AWG	Gray	24 AWG	1750 mm	
	Wire	W30		UL 1569 22 AWG GRAY	Gray	22 AWG	1100 mm	W31
	Wire	W31		UL 1569 22 AWG BROWN	Brown	22 AWG	1100 mm	W30
	Wire	W32		UL 1569 22 AWG Blue	Blue	22 AWG	1100 mm	W33
	Wire	W33		UL 1569 22 AWG ORANGE	Orange	22 AWG	1100 mm	W32
	Wire	W34	GNRL.	MAT000007	Red	24 AWG	1750 mm	
	Wire	W35	GNRL.	MAT000007	Red	24 AWG	1750 mm	
	Wire	W36	GNRL.	MAT000007	Red	24 AWG	1750 mm	
	Wire	W37		UL 1569 22 AWG White	White	22 AWG	1100 mm	W38
	Wire	W38		UL 1569 22 AWG Green	Green	22 AWG	1100 mm	W37
	Wire	W39		UL 1569 22 AWG GRAY	Gray	22 AWG	1350 mm	W40
40	Wire	W40		UL 1569 22 AWG Black	Black	22 AWG	1350 mm	W39

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Title:	
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Description:	Hi-Dynamic EOL - ATE to UUT and Motor Cable



#	Manufacturer	Part Number	Description	Label Text
	1			HRN000124-00
	2			MOTOR
	3			UUT

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