

Rev.	Date	Author	Description
A	05/07/2022	Chicotes FuelTech	AMOSTRA DA REV 1.0
B	06/07/2022	Chicotes FuelTech	AMOSTRA REV 1.0 - ALTERAÇÃO DOS PINOS CPC E MEDIDAS DOS RELÉS
C	13/07/2022	Chicotes FuelTech	AMOSTRA REV 1.0 - CORREÇÃO PINDOUT CONECTOR EXTRA (1,2,3... PJ, A,B,C, NOMES DAS SPICES E FUSÍVEL) - AJUSTE DE FORMATO DEFINIDO COM FORNECEDOR AG CABOS
D	20/07/2022	Chicotes FuelTech	ADICIONADOS TERMINAIS E SELOS DO CONECTOR "EXTRA" - AJUSTE DE NOME CONECTOR "CAN A" PARA "CAN BMS", "CPC A" PARA "CPC DIANTEIRO" E "CPC B" PARA "CPC TRASEIRO". CORREÇÕES NOS NOMES DOS LABELS.
E	22/07/2022	Chicotes FuelTech	ETIQUETA SAI 3999 ENTRA 9703. CABO VERMELHO DE 2.5 FOI ESCOLHIDO ERADO (930) SUBSTITUÍDO POR 9055, 1948 SA1 E ENTRA 1750. AJUSTE NAS QUANTIDADES DE MALHAS INCLUSÃO DOS TERMO REPRÉTRIS AJUSTE NAS QUANTIDADES DE DIVERSOS ITENS, CONFORME MATERIAL UTILIZADO PARA PRODUÇÃO DA AMOSTRA.

1 Etiquetas de identificação dos conectores deve ser colada sobre o termomaterial preto (com cola). Utilizando termomaterial transparente por cima. (todos os conectores) terminal olhal da bateria deve ser MB

Coverings	Id	Assembly
[33]	[33]	[33]
[34]	[34]	[34]
[72]	[72]	[72]
[73]	[73]	[73]

Revisão 1.1 Adicionado a contra peça do CPC dianteiro com fios de 2m sem acabamento

From	To	Conductor	Color	Size	Cavity	Notes
EXTRA_CONNECTOR_A	S1	W5	Green	0.5 mm ²	A	EXTRA INP
EXTRA_CONNECTOR_B	FT450_A.26	W3	Yellow-Blue	0.5 mm ²	B	
EXTRA_CONNECTOR_C	S8	W4	White	0.5 mm ²	C	
EXTRA_CONNECTOR_D	S5	W5	White	0.5 mm ²	D	
EXTRA_CONNECTOR_E	FT450_A.24	W4	White	0.5 mm ²	E	DRIVE/REVERSE BUTTON

Revisão 1.1 Adicionado a contra peça do conector extra com os terminais acompanhando o chicote

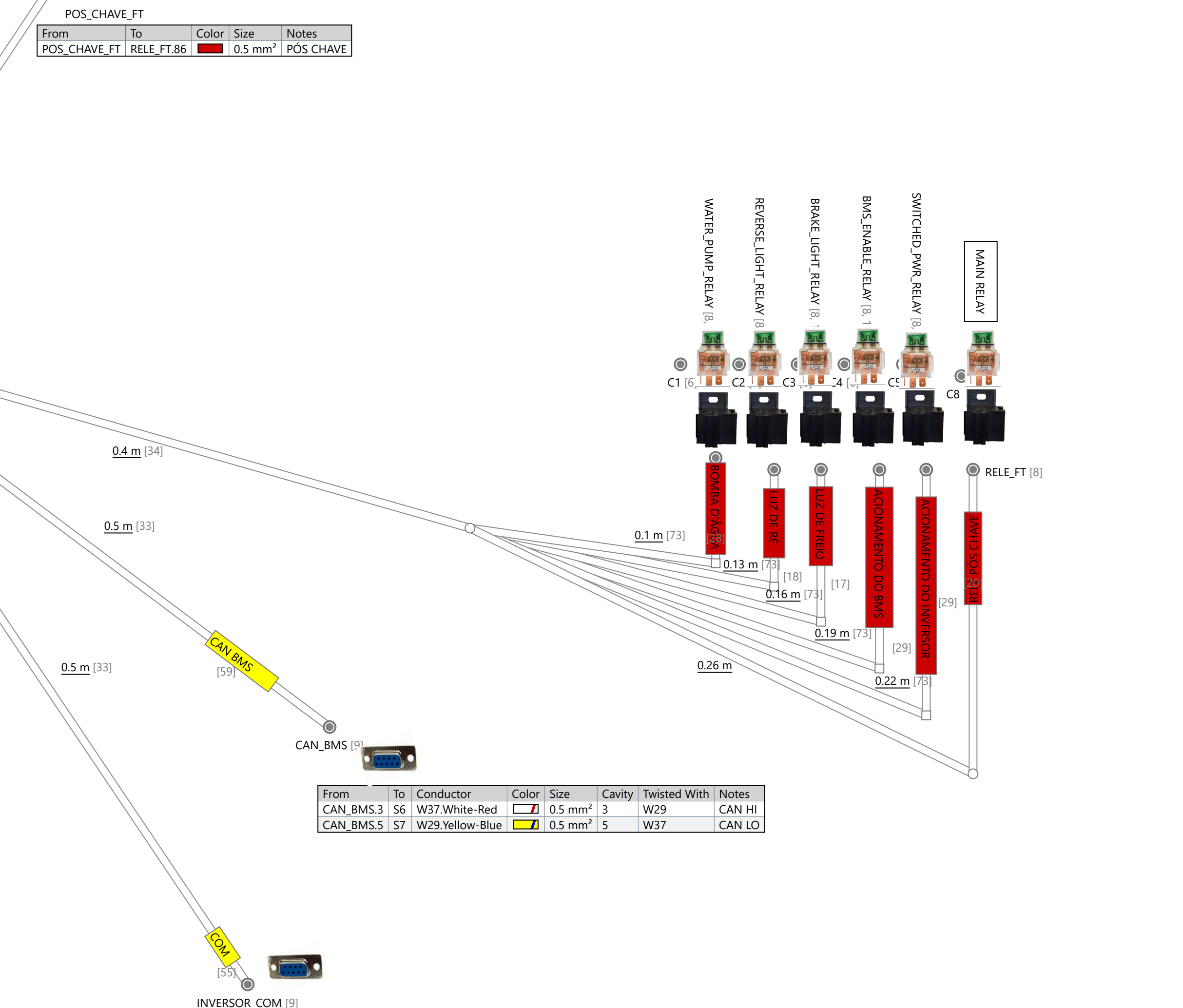


From	To	Conductor	Color	Size	Cavity	Twisted With	Notes
CPC_DIANTEIRO_1	S1	W26	Green-Red	0.5 mm ²	1		5 VOLTS
CPC_DIANTEIRO_2	S7	W31	Yellow-Blue	0.5 mm ²	2	W36	CAN LO
CPC_DIANTEIRO_3	S6	W36	White-Red	0.5 mm ²	3	W31	CAN HI
CPC_DIANTEIRO_4	FT450_A.20	W39	White	0.5 mm ²	4		ENGINE TEMP
CPC_DIANTEIRO_5	FT450_A.21	W40	White	0.5 mm ²	5		VEHICLE SPEED
CPC_DIANTEIRO_6	S9	W44	White	0.5 mm ²	6		TPS INPUT
CPC_DIANTEIRO_7	FT450_A.25	W47	White	0.5 mm ²	7		BRAKE PRESS.
CPC_DIANTEIRO_8	S8	W58	Red	1.5 mm ²	8		SWITCHED POWER
CPC_DIANTEIRO_9	FT450_A.5	W1	Blue	0.5 mm ²	9		DC/DC OUTPUT
CPC_DIANTEIRO_10	WATER_PUMP_RELAY.87	W77	Red	1.5 mm ²	10		WATER PUMP POWER
CPC_DIANTEIRO_11	S8	W69	Red	1.5 mm ²	11		SWITCHED POWER
CPC_DIANTEIRO_12	S4	W9	Black-White	1 mm ²	12		POWER_GND
CPC_DIANTEIRO_13	S4	W10	Black-White	1 mm ²	13		POWER_GND
CPC_DIANTEIRO_14	S5	W13	Black	0.5 mm ²	14		SIGNAL_GND
CPC_DIANTEIRO_15	INVERSOR_COM.3	W78	White-Red	1 mm ²	15		RS32 TX
CPC_DIANTEIRO_16	FT450_A.3	W6	Blue	0.5 mm ²	16		VACUUM PUMP OUTPUT
CPC_DIANTEIRO_17	FT450_A.11	W65	Gray	0.5 mm ²	17		ELECTRIC FAN OUTPUT
CPC_DIANTEIRO_18	INVERSOR_COM.2	W72	Yellow-Blue	20 AWG	18		RS32 RX
CPC_DIANTEIRO_19	S2	W63	Red	1.5 mm ²	19		ALWAYS ON POWER

From	To	Conductor	Color	Size
GND	S4	W4	Black	4 mm ²
GND	S5	W5	Black	4 mm ²

From	To	Conductor	Color	Size
12V_POWER	REL_FT.30	W1	Red	4 mm ²
12V_POWER	S2	W2	Red	4 mm ²

Id	Type	Manufacturer	Part Number	Quantity	Description	IPN
1	Connector	TE Connectivity	3-143790-7	1	conector FT450 A	3337
2	Connector	TE Connectivity	208043-1	1	CPC Connector Mini Circular Plug 14 Position Straight Cable Mount 4 Terminal 1 Port (reverse sex, utiliza terminal socket)	3210
3	Connector	Applv	12010975	1	Weather Pack Male Shrouded Connector TE Connect C T 1 12010975	7314
4	Connector	Amphenol Systems	ATM06-45	1	Connector Plug Female 4-Way Socket 7.5A16-22AWG Sz 20 IP67 ATM Series	6501
5	Connector	Amphenol Systems	09N101	6	RELE AUXILIAR COM LED 40A 12V	5648
6	Connector	ETE	ETE 6527C	1	CONECTOR PORTA RELE - ETE RS232C - REF: HFO18BKT	2478
7	Connector	FORNECIDO PELA AG CABOS		2	CONECTOR DB9 FEMEA 180 SOLDER	FORNECEDOR
8	Contact	TE Connectivity	3-1447221-3	2	TERMINAL TYCO 0.75 - 100 SUPER SEAL RECP. - 3-1447221-3	3339
9	Contact	TE Connectivity	3-1447221-4	21	TERMINAL TYCO 0.50 SUPER SEAL RECP. - 3-1447221-4	3338
10	Contact	TE Connectivity	66100-8/881460-2	30	Socket Contact, Size 20, 18 AWG, Crimp, CPC Series	3225
11	Contact	TE Connectivity	755220-1/ETE 7020 A	20	FASTON Quick Disconnect Terminal 13.5-17AWG F 19 1mm 5.6mm Automotive 1/8 (ETE 7020 A)	2479
12	Contact	Amphenol Systems	AT62-20-912	4	Stamped & Formed Nickel-Plated Female Contact, Size 20, 18-22AWG, 4000 pcs. Reel	6502
13	Contact		9710	1	CPC TRASEIRO	9710
14	Contact		9706	2	LUZ DE FREIO	9706
15	Contact		9707	2	LUZ DE	9707
16	Contact		9709	1	CPC DIANTEIRO	9709
17	Contact		9704	1	RELE POS CHAVE	9704
18	Contact		8092	1	FT450/FT50 A	8092
19	Contact		8094	1	-BATT (GROUND)	8094
20	Contact		8103	1	+BAT	8103
21	Contact		8105	1	TPS	8105
22	Contact		8117	1	EXTRA	8117
23	Contact		9140	1	POWER CAN A	9140
24	Contact		9728	1	EV ON/OFF	9728
25	Contact		9708	1	BOMBA D'ÁGUA	9708
26	Contact		9705	2	ACIONAMENTO DO BMS	9705
27	Contact	TE Connectivity / DEUTSCH	WM-4S	1	Orange 4 Position 19A (Terminal Position Assurance) Wedge Lock	6503
28	Contact		6mm expansiva	4	TUBO DE MALHA EXPANSIVEL 6.0MM - PRETO	3181
29	Contact		3184	1.10	TUBO DE MALHA EXPANSIVEL 20.0MM - PRETO	3184
30	Contact		4039	3.28	CABO FLEX 4.0MM ² 105 EST - BOB N.7 - PRETO	4039
31	Contact		349	6.86	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - AMARELO / AZUL (20AWG Yellow/Blue)	349
32	Contact		351	14.02	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - AZUL	351
33	Contact		354	6.86	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - BRANCO / VERMELHO (20AWG White/Red)	354
34	Contact		372	6.90	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - CINZA	372
35	Contact		376	9.92	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - PRETO	376
36	Contact		380	4.94	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - VERDE VERMELHO (20AWG Green/Red)	380
37	Contact		381	5.92	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - VERMELHO (20AWG Red)	381
38	Contact		385	8.78	CABO FLEX 1.0MM ² 105 EST - BOB N.7 - PRETO / BRANCO	385
39	Contact		397	2.93	CABO FLEX 1.0mm ² 105 EST - BOB N.7 - VERMELHO	397
40	Contact		397	15.09	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - PRETO (20AWG White)	397
41	Contact		1697	1.23	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - VERDE / BRANCO	1697
42	Contact		1741	1.80	CABO FLEX 4.0mm ² 105 EST - BOB N.7 - VERMELHO	1741
43	Contact		3302	23.65	CABO FLEX 1.5MM ² 105 EST - BOB N.7 - VERMELHO - 300V	3302
44	Contact		374	1.23	CABO FLEX 0.3MM ² 105 EST - BOB N.7 - LARANJA	374
45	Contact		9737	1	ADENSIVO DE IDENTIFICACAO COM - Mqps 52 (P)	9737
46	Contact	TE Connectivity	163081-7 / 881459-2	49	TERMINAL CPC PIN MALE - AWG 18 A 16 - 0.75 A 1.5 MM	3224
47	Contact	Applv	1209040	5	Delphi Weather Pack Tin Plated Male Terminal for 20-18 AWG, 2, 200 Units per Reel	7335
48	Contact	Applv	1532492	1	Green Delphi Cable Seal 12015323 Changed to 1532492 Cable Dia 2.60 mm To 2.03	7336
49	Contact		9703	1	CAN BMS	9703
50	Contact		206070-8	2	Connector Accessories CPC Cable Kit Shell Size 17 Thermoplastic Black Individual	3222
51	Contact		12652-1-2	2	COVER CPC - 24 X 37 WAY	3223
52	Contact		9055	2.82	CABO FLEX 2.5MM VERMELHO 300V	9055
53	Contact		9728	0.18	TUBO TERMO CONTRATI, TRANSPARENTE 3/4	3225
54	Contact		9728	0.16	TUBO TERMO CONTRATI, TRANSPARENTE 3/8	3247
55	Contact		3256	0.05	TUBO TERMO CONTRATI, TRANSPARENTE 1"	7346
56	Contact		3202	0.34	TUBO TERMO CONTRATI, COM ADESIVO 1/4	3202
57	Contact		7346	0.24	TUBO TERMO CONTRATI, COM ADESIVO 3/8	7346
58	Contact		3203	0.08	TUBO TERMO CONTRATI, COM ADESIVO 1/2	3203
59	Contact		4418	0.12	TUBO TERMO CONTRATI, COM ADESIVO 3/4	4418
60	Contact		9380	0.14	TUBO TERMO CONTRATI, COM ADESIVO 1 1/4"	9380
61	Contact		3183	3.46	TUBO DE MALHA EXPANSIVEL 15.0MM - PRETO	3183
62	Contact		6mm expansiva	3.55	TUBO DE MALHA EXPANSIVEL 6.0MM - PRETO	7345
63	Contact		0349	≥ 5.1 m	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - AMARELO / AZUL	0349
64	Contact		0354	≥ 5.1 m	CABO FLEX 0.5mm ² 105 EST - BOB N.7 - BRANCO / VERMELHO	0354
65	Contact	TE Connectivity	183073-1	1	Circular Plastic Connector, PLS ASSY 23-240205 SRS, TE Connectivity, 183073-1	3218
66	Contact	TE Connectivity	183075-1	2	Circular Housing, Receptacle, Size 23-24 Robt Compliant, Yes Amp Te Connectivity, 183075-1	3212
67	Contact	TE Connectivity	0-0182649-1	1	Conn CPC PIN 14 POS Crimp ST Cable Mount 14 Terminal 1 Port	3216
68	Contact		5927	≥ 4 m	CABO FLEX 1.5MM ² 105 EST - PRETO / BRANCO - 300V	5927
69	Contact		0376		CABO FLEX 0.5mm ² 105 EST - BOB N.7 - PRETO	0376
70	Contact	Applv	12020926	1	Delphi Weather Pack 6 Way Black Sealed Female Connector	9784
71	Contact	Applv	12089188	5	Delphi Weather Pack Tin Plated Female Terminal for 20-18 AWG, 2, 200 Units per Reel	3251



From	To	Conductor	Color	Size	Cavity	Notes
CAN_BMS_3	S6	W37	White-Red	0.5 mm ²	3	W29 CAN HI
CAN_BMS_5	S7	W29	Yellow-Blue	0.5 mm ²	5	W37 CAN LO

From	To	Conductor	Color	Size	Cavity	Notes
INVERSOR_COM_2	CPC_DIANTEIRO_18	W22	Yellow-Blue	20 AWG	2	RS32 RX
INVERSOR_COM_3	CPC_DIANTEIRO_15	W8	White-Red	20 AWG	3	RS32 TX
INVERSOR_COM_5	S5	W22	Black	0.5 mm ²	5	

From	To	Conductor	Color	Size	Cavity	Twisted With	Notes
CPC_TRASEIRO_1	FT450_A.1	W14	Blue	0.5 mm ²	1		POU TRIGGER
CPC_TRASEIRO_2	FT450_A.2	W15	Blue	0.5 mm ²	2		POU TRIGGER
CPC_TRASEIRO_3	S7	W30	Yellow-Blue	0.5 mm ²	3	W35	CAN LO
CPC_TRASEIRO_4	S6	W35	White-Red	0.5 mm ²	4	W30	CAN HI
CPC_TRASEIRO_5	S8	W71	Red	1.5 mm ²	5		SWITCHED POWER
CPC_TRASEIRO_6	S2	W64	Red	1.5 mm ²	6		ALWAYS ON POWER
CPC_TRASEIRO_7	S8	W73	Red	1.5 mm ²	7		SWITCHED POWER
CPC_TRASEIRO_8	S4	W11	Black-White	1 mm ²	8		POWER_GND
CPC_TRASEIRO_9	S4	W12	Black-White	1 mm ²	9		POWER_GND
CPC_TRASEIRO_10	BMS_ENABLE_RELAY.87	W74	Red	1.5 mm ²	10		CHARGE ENABLE
CPC_TRASEIRO_11	S5	W21	Black	0.5 mm ²	11		SIGNAL_GND

From	To	Conductor	Color	Size	From Contact PN
CPC_TRASEIRO_CABO_1	FIOS_SOLTOS_TRASEIRO.1	W99	Blue	0.5 mm ²	161081-7 / 881459-2
CPC_TRASEIRO_CABO_2	FIOS_SOLTOS_TRASEIRO.2	W100	Blue	0.5 mm ²	161081-7 / 881459-2
CPC_TRASEIRO_CABO_3	FIOS_SOLTOS_TRASEIRO.3	W101	Yellow-Blue	20 AWG	161081-7 / 881459-2
CPC_TRASEIRO_CABO_4	FIOS_SOLTOS_TRASEIRO.4	W102	White-Red	20 AWG	161081-7 / 881459-2
CPC_TRASEIRO_CABO_5	FIOS_SOLTOS_TRASEIRO.5	W103	Red	1.5 mm ²	161081-7 / 881459-2
CPC_TRASEIRO_CABO_6	FIOS_SOLTOS_TRASEIRO.6	W104	Red	1.5 mm ²	161081-7 / 881459-2
CPC_TRASEIRO_CABO_7	FIOS_SOLTOS_TRASEIRO.7	W105	Red	1.5 mm ²	161081-7 / 881459-2
CPC_TRASEIRO_CABO_8	FIOS_SOLTOS_TRASEIRO.8	W106	Black-White	1.5 mm ²	161081-7 / 881459-2
CPC_TRASEIRO_CABO_9	FIOS_SOLTOS_TRASEIRO.9	W109	Black	20 AWG	161081-7 / 881459-2