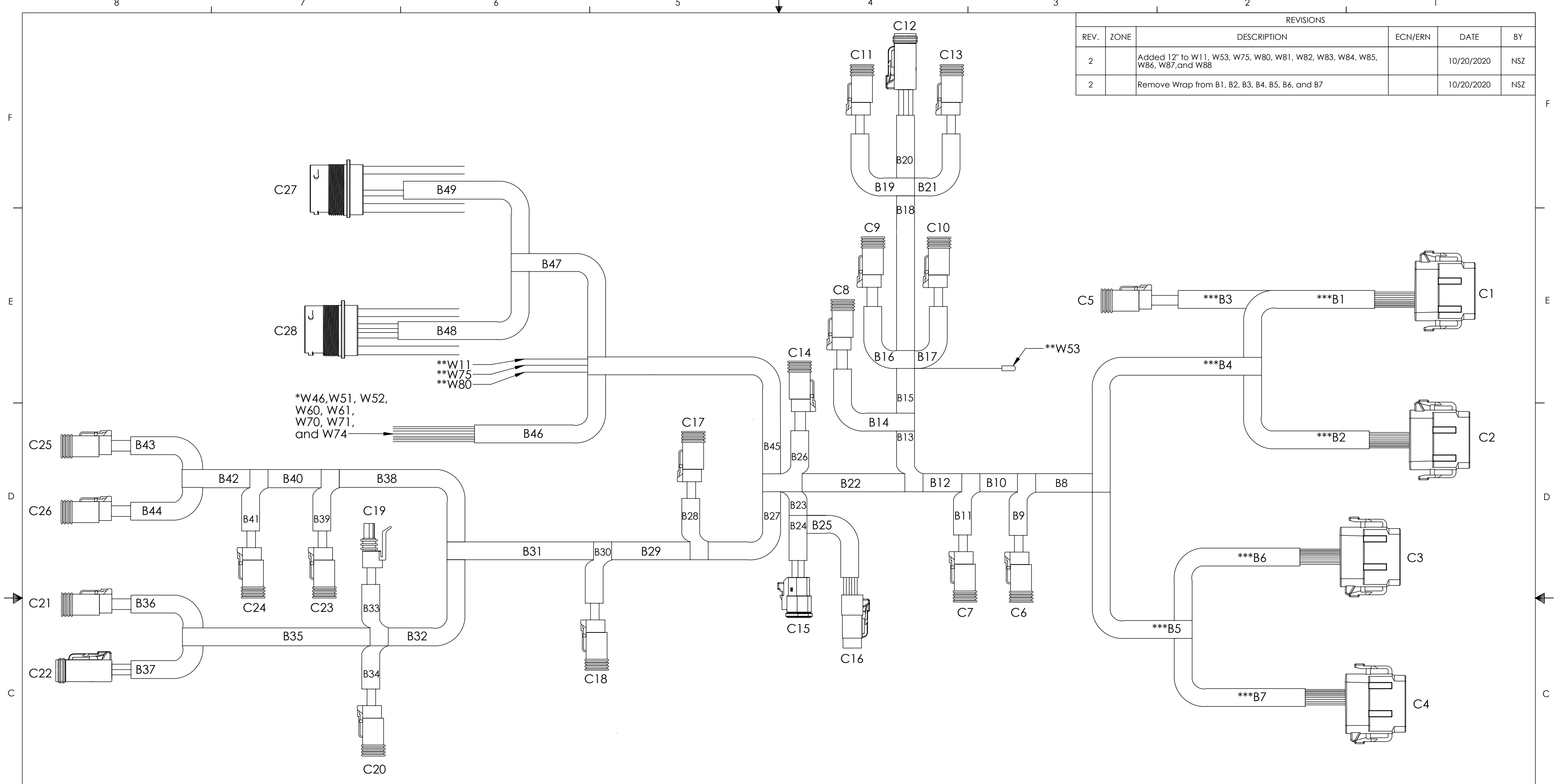


REVISIONS					
REV.	ZONE	DESCRIPTION	ECN/ERN	DATE	BY
2		Added 12" to W11, W53, W75, W80, W81, W82, W83, W84, W85, W86, W87, and W88		10/20/2020	NSZ
2		Remove Wrap from B1, B2, B3, B4, B5, B6, and B7		10/20/2020	NSZ



Branch ID	Length (IN)	Branch ID	Length (IN)	Branch ID	Length (IN)	Branch ID	Length (IN)	Branch ID	Length (IN)
B1	4	B11	4	B21	4	B31	2	B41	8
B2	3	B12	3	B22	3	B32	2	B42	1
B3	2	B13	8	B23	2	B33	4	B43	4
B4	1	B14	7	B24	5	B34	5	B44	4
B5	1	B15	5	B25	5	B35	6	B45	7
B6	3	B16	7	B26	2	B36	4	B46	21
B7	3	B17	5	B27	3	B37	6	B47	4
B8	5	B18	5	B28	6	B38	6	B48	9
B9	5	B19	5	B29	1	B39	4	B49	9
B10	4	B20	4	B30	6	B40	2		

- Notes:
- 1) All branches to be wrapped in Tesa 51036 tape
 - 2) All branches with connector leave 1" of wire exposed before connector
 - 3) All splices ("S") to be soldered or sonic welded and covered in 2" of adhesive heatshrink
 - 4) * Leave 6" exposed on W46, W51, W52, W60, W61, W70, W71, and W74
 - 5)** Leave 19" exposed on W11, W53, W75, and W80
 - 6) *** Leave B1, B2, B3, B4, B5, B6, and B7 Unwrapped

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES 2 PLACE DECIMAL ±0.030 3 PLACE DECIMAL ±0.010 EXCEPT DRILLED HOLES BREAK SHARP CORNERS ALL FILLETS AND RADII 0.12 R. FINISH 125/	NAME	DATE		
	DRAWN	NSZ		04/21/20
	CHECKED	BM		04/21/20
	ENG APPR.	KW		04/21/20
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	COMMENTS:		TITLE: Omni/Omni+ Harness	
MATERIAL	-			
THIRD ANGLE PROJECTION	SIMILAR TO:			
PROPRIETARY AND CONFIDENTIAL	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MUNICIE POWER PRODUCTS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MUNICIE POWER PRODUCTS, INC. IS PROHIBITED.		SIZE DWG. NO. REV C APWH81A 02 SCALE: N/A WEIGHT: N/A SHEET 1 OF 2	

Wire Number	Wire Label	Wire Color	Wire Gauge	Wire Type	Wire length(IN)	Source Connection	Source Connector P/N	Source Connector Manufacturer	Source Pin Location	Source Pin P/N	Destination Connection	Destination Connector P/N	Destination Connector Manufacturer	Destination Pin Location	Destination Pin P/N
W1	+12 Volts	Red	16	GXL	10	C1	DTM06-12SA	Deutsch	1	1062-20-0144	S1	N/A	N/A	N/A	N/A
W2	+12 Volts	Red	16	GXL	10	C1	DTM06-12SA	Deutsch	2	1062-20-0144	S1	N/A	N/A	N/A	N/A
W3	12 Volts	Red	16	GXL	10	C1	DTM06-12SA	Deutsch	3	1062-20-0144	S1	N/A	N/A	N/A	N/A
W4	CAN HI	White	16	GXL	8	C1	DTM06-12SA	Deutsch	4	1062-20-0144	C2	DTM06-12SA	Deutsch	4	1062-20-0144
W5	CAN LO	Green	16	GXL	8	C1	DTM06-12SA	Deutsch	5	1062-20-0144	C2	DTM06-12SA	Deutsch	5	1062-20-0144
W6	Ground	Black	16	GXL	10	C1	DTM06-12SA	Deutsch	6	1062-20-0144	S2	N/A	N/A	N/A	N/A
W7	+12 Volt	Red	16	GXL	10	C1	DTM06-12SA	Deutsch	7	1062-20-0144	S1	N/A	N/A	N/A	N/A
W8	CAN LO	Green	16	GXL	3	C1	DTM06-12SA	Deutsch	8	1062-20-0144	S3	N/A	N/A	N/A	N/A
W9	CAN HI	White	16	GXL	3	C1	DTM06-12SA	Deutsch	9	1062-20-0144	S4	N/A	N/A	N/A	N/A
W10	Digital Input	Pink	16	GXL	29	C1	DTM06-12SA	Deutsch	12	1062-20-0144	C16	DTM06-6S	Deutsch	6	1062-20-0144
W11	+12 Volt Battery	Red	16	GXL	46	C2	DTM06-12SA	Deutsch	1	1062-20-0144	Blunt Cut	N/A	N/A	N/A	N/A
W12	+12 Volt	Red	16	GXL	8	C2	DTM06-12SA	Deutsch	2	1062-20-0144	S1	N/A	N/A	N/A	N/A
W13	Relay Control	Red	16	GXL	37	C2	DTM06-12SA	Deutsch	3	1062-20-0144	C19	12052641	Metri-Pack	A	12048074
W14	Ground	Black	16	GXL	8	C2	DTM06-12SA	Deutsch	6	1062-20-0144	S2	N/A	N/A	N/A	N/A
W15	Spinner	White	16	GXL	40	C2	DTM06-12SA	Deutsch	7	1062-20-0144	C11	DT06-2S	Deutsch	1	0462-201-16141
W16	Auger	Orange	16	GXL	37	C2	DTM06-12SA	Deutsch	8	1062-20-0144	C9	DT06-2S	Deutsch	1	0462-201-16141
W17	Liquid	Green	16	GXL	36	C2	DTM06-12SA	Deutsch	9	1062-20-0144	C10	DT06-2S	Deutsch	1	0462-201-16141
W18	Main Relief	Brown	16	GXL	33	C2	DTM06-12SA	Deutsch	11	1062-20-0144	C8	DT06-2S	Deutsch	1	0462-201-16141
W19	Digital Input 1	White	16	GXL	29	C3	DTM06-12SB	Deutsch	1	1062-20-0144	C16	DTM06-6S	Deutsch	1	1062-20-0144
W20	Digital Input 2	Green	16	GXL	29	C3	DTM06-12SB	Deutsch	2	1062-20-0144	C16	DTM06-6S	Deutsch	2	1062-20-0144
W21	Digital Input 3	Red	16	GXL	29	C3	DTM06-12SB	Deutsch	3	1062-20-0144	C16	DTM06-6S	Deutsch	3	1062-20-0144
W22	Digital Input 4	Brown	16	GXL	29	C3	DTM06-12SB	Deutsch	4	1062-20-0144	C16	DTM06-6S	Deutsch	4	1062-20-0144
W23	+5 Volts	Orange	16	GXL	42	C3	DTM06-12SB	Deutsch	5	1062-20-0144	C28	HDP24-24-21PN	Deutsch	H	0460-202-16141
W24	Pump Pressure	Gray	16	GXL	40	C3	DTM06-12SB	Deutsch	6	1062-20-0144	C12	DT06-4S	Deutsch	4	0462-201-16141
W25	LS Pressure	Green	16	GXL	42	C3	DTM06-12SB	Deutsch	7	1062-20-0144	C22	DT06-4S	Deutsch	4	0462-201-16141
W26	Oil Temperature	Purple	16	GXL	40	C3	DTM06-12SB	Deutsch	8	1062-20-0144	C12	DT06-4S	Deutsch	3	0462-201-16141
W27	Oil Level	Blue	16	GXL	29	C3	DTM06-12SB	Deutsch	9	1062-20-0144	C15	DT06-3S	Deutsch	C	0462-201-16141
W28	Speedometer	Pink	16	GXL	42	C3	DTM06-12SB	Deutsch	10	1062-20-0144	C28	HDP24-24-21PN	Deutsch	C	0460-202-16141
W29	PWM Input 2	Green	16	GXL	26	C3	DTM06-12SB	Deutsch	11	1062-20-0144	S5	N/A	N/A	N/A	N/A
W30	Ignition Input	Yellow	16	GXL	42	C3	DTM06-12SB	Deutsch	12	1062-20-0144	C28	HDP24-24-21PN	Deutsch	A	0460-202-16141
W31	Plow Up	Brown	16	GXL	41	C4	DTM06-12SB	Deutsch	1	1062-20-0144	C25	DT06-2S	Deutsch	1	0462-201-16141
W32	Plow Down	White	16	GXL	30	C4	DTM06-12SB	Deutsch	2	1062-20-0144	C17	DT06-2S	Deutsch	1	0462-201-16141
W33	Plow Down Relief	Gray	16	GXL	44	C4	DTM06-12SB	Deutsch	3	1062-20-0144	C24	DT06-2S	Deutsch	1	0462-201-16141
W34	Plow Left	Blue	16	GXL	39	C4	DTM06-12SB	Deutsch	4	1062-20-0144	C21	DT06-2S	Deutsch	1	0462-201-16141
W35	Plow Right	Purple	16	GXL	34	C4	DTM06-12SB	Deutsch	5	1062-20-0144	C20	DT06-2S	Deutsch	1	0462-201-16141
W36	Dump Up	Yellow	16	GXL	40	C4	DTM06-12SB	Deutsch	6	1062-20-0144	C13	DT06-2S	Deutsch	1	0462-201-16141
W37	Dump Down #1	Orange	16	GXL	15	C4	DTM06-12SB	Deutsch	7	1062-20-0144	C6	DT06-2S	Deutsch	1	0462-201-16141
W38	Dump Down Relief	Pink	16	GXL	41	C4	DTM06-12SB	Deutsch	8	1062-20-0144	C26	DT06-2S	Deutsch	1	0462-201-16141
W39	Dump Down #2	Black	16	GXL	19	C4	DTM06-12SB	Deutsch	9	1062-20-0144	C7	DT06-2S	Deutsch	1	0462-201-16141
W40	Plow P.Float Relief	Green	16	GXL	37	C4	DTM06-12SB	Deutsch	11	1062-20-0144	C23	DT06-2S	Deutsch	1	0462-201-16141
W41	Plow P.Float On/Off	Blue	16	GXL	32	C4	DTM06-12SB	Deutsch	12	1062-20-0144	C18	DT06-2S	Deutsch	1	0462-201-16141
W42	PWM Input 2	Green	16	GXL	6	S5	N/A	N/A	N/A	N/A	C14	DT06-2S	Deutsch	2	0462-201-16141
W43	PWM Input 2	Green	16	GXL	16	S5	N/A	N/A	N/A	N/A	C28	HDP24-24-21PN	Deutsch	F	0460-202-16141
W44	CAN LO	Green	16	GXL	39	S3	N/A	N/A	N/A	N/A	C27	HDP24-24-91PN-P064	Deutsch	9	0460-202-16141
W45	CAN HI	White	16	GXL	39	S4	N/A	N/A	N/A	N/A	C27	HDP24-24-91PN-P064	Deutsch	8	0460-202-16141
W46	Ground	Black	16	GXL	41	S2	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W47	Ground	Black	16	GXL	13	C9	DT06-2S	Deutsch	2	0462-201-16141	S6	N/A	N/A	N/A	N/A
W48	Ground	Black	16	GXL	11	C10	DT06-2S	Deutsch	2	0462-201-16141	S6	N/A	N/A	N/A	N/A
W49	Ground	Black	16	GXL	15	C11	DT06-2S	Deutsch	2	0462-201-16141	S6	N/A	N/A	N/A	N/A
W50	Ground	Black	16	GXL	15	C13	DT06-2S	Deutsch	2	0462-201-16141	S6	N/A	N/A	N/A	N/A
W51	Ground	Black	16	GXL	39	S6	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W52	Ground	Black	16	GXL	39	S6	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W53	Ground	Black	16	GXL	28	S6	N/A	N/A	N/A	N/A	Heatshrink Cap	ES-CAP-NO.1-C1-0-30MM	TE Connectivity	N/A	N/A
W54	Ground	Black	16	GXL	10	C20	DT06-2S	Deutsch	2	0462-201-16141	S7	N/A	N/A	N/A	N/A
W55	Ground	Black	16	GXL	15	C21	DT06-2S	Deutsch	2	0462-201-16141	S7	N/A	N/A	N/A	N/A
W56	Ground	Black	16	GXL	37	C23	DT06-2S	Deutsch	2	0462-201-16141	S7	N/A	N/A	N/A	N/A
W57	Ground	Black	16	GXL	44	C24	DT06-2S	Deutsch	2	0462-201-16141	S7	N/A	N/A	N/A	N/A
W58	Ground	Black	16	GXL	41	C25	DT06-2S	Deutsch	2	0462-201-16141	S7	N/A	N/A	N/A	N/A
W59	Ground	Black	16	GXL	41	C26	DT06-2S	Deutsch	2	0462-201-16141	S7	N/A	N/A	N/A	N/A
W60	Ground	Black	16	GXL	24	S7	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W61	Ground	Black	16	GXL	24	S7	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W62	Ground	Black	16	GXL	20	C6	DT06-2S	Deutsch	2	0462-201-16141	S8	N/A	N/A	N/A	N/A
W63	Ground	Black	16	GXL	15	C7	DT06-2S	Deutsch	2	0462-201-16141	S8	N/A	N/A	N/A	N/A
W64	Ground	Black	16	GXL	23	C8	DT06-2S	Deutsch	2	0462-201-16141	S8	N/A	N/A	N/A	N/A
W65	Ground	Black	16	GXL	18	C15	DT06-3S	Deutsch	B	0462-201-16141	S8	N/A	N/A	N/A	N/A
W66	Ground	Black	16	GXL	18	C16	DTM06-6S	Deutsch	5	1062-20-0144	S8	N/A	N/A	N/A	N/A
W67	Ground	Black	16	GXL	13	C17	DT06-2S	Deutsch	2	0462-201-16141	S8	N/A	N/A	N/A	N/A
W68	Ground	Black	16	GXL	17	C18	DT06-2S	Deutsch	2	0462-201-16141	S8	N/A	N/A	N/A	N/A
W69	Ground	Black	16	GXL	20	C19	12052641	Metri-Pack	B	12048074	S8	N/A	N/A	N/A	N/A
W70	Ground	Black	16	GXL	32	S8	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W71	Ground	Black	16	GXL	32	S8	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W72	Ground	Black	16	GXL	29	C12	DT06-4S	Deutsch	1	0462-201-16141	S9	N/A	N/A	N/A	N/A
W73	Ground	Black	16	GXL	26	C22	DT06-4S	Deutsch	1	0462-201-16141	S9	N/A	N/A	N/A	N/A
W74	Ground	Black	16	GXL	24	S9	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W75	+12 Volt	Red	12	GXL	40	S1	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W76	+12 Volt	Red	16	GXL	27	C12	DT06-4S	Deutsch	2	0462-201-16141	S10	N/A	N/A	N/A	N/A
W77	+12 Volt	Red	16	GXL	26	C22	DT06-4S	Deutsch	2	0462-201-16141	S10	N/A	N/A	N/A	N/A
W78	+12 Volts	Red	16	GXL	18	C15	DT06-3S	Deutsch	A	0462-201-16141	S10	N/A	N/A	N/A	N/A
W79	+12 Volts	Red	16	GXL	6	C14	DT06-2S	Deutsch	1	0462-201-16141	S10	N/A	N/A	N/A	N/A
W80	+12 Volts	Red	16	GXL	25	S10	N/A	N/A	N/A	N/A	Blunt Cut	N/A	N/A	N/A	N/A
W81	+12 Volts	Red	16	GXL	27	C27	HDP24-24-91PN-P064	Deutsch	5	0460-202-16141	Blunt Cut	N/A	N/A	N/A	N/A
W82	+12 Volts	Red	12	GXL	24	C28	HDP24-24-21PN	Deutsch	B	0460-204-12141	Blunt Cut	N/A	N/A	N/A	N/A
W83	+12 Volts	Red	12	GXL	24	C28	HDP24-24-21PN	Deutsch	G	0460-204-12141	Blunt Cut	N/A	N/A	N/A	N/A
W84	+12 Volt Battery	Red	10	GXL	26	C27	HDP24-24-91PN-P064	Deutsch	1	0460-204-08141	Blunt Cut	N/A	N/A	N/A	N/A
W85	Ground	Black	16	GXL	25	C27	HDP24-24-91PN-P064	Deutsch	6	0460-202-16141	Blunt Cut	N/A	N/A	N/A	N/A
W86	Ground	Black	12	GXL	25	C28	HDP24-24-21PN	Deutsch	D	0460-204-12141	Blunt Cut	N/A	N/A	N/A	N/A
W87	Ground	Black	12	GXL	25	C28	HDP24-24-21PN	Deutsch	E	0460-204-12141	Blunt Cut	N/A	N/A	N/A	N/A
W88	Ground	Black	10	GXL	25	C27	HDP24-24-91PN-P064	Deutsch	3	0460-204-08141	Blunt Cut	N/A	N/A	N/A	N/A
W89	CAN LO	Green	16	GXL	5	S3	N/A	N/A	N/A	N/A	C5	DT06-2S	Deutsch	1	0462-201-16141
W90	CAN HI	White	16	GXL	5	S4	N/A	N/A	N/A	N/A	C5	DT06-2S	Deutsch	2	0462-201-16141