

CONTROLLED DRAWING

REVISIONS				
REV.	DESCRIPTION	BY	DATE	ECN No.
-02	Increase wire size from 0.85mm ² to 1.25mm ² circuits 11, 12, 13, 14 and 15.	SS	30/06/2020	-
A	RELEASED	SS	13/07/2020	

BILL OF MATERIALS

BOM ID	PART NUMBER LEVEL 1	PART NUMBER LEVEL 2	QUANTITY	DESCRIPTION	MANUFACTURER
1	3500811		1	ARB LB V2 WIRING LOOM	
2		XXXXX	1	3 WAY MALE CONNECTOR FOR MOUSE SWITCH	
3		XXXXX	1	BLADE FUSE HOLDER WITH MOUNTING EYE	
5		XXXXX	2	Ø8mm RING TERMINAL	
6		XXXXX	1	RELAY BASE SUITS 4 WAY CONNECTOR	
7		DTP04-2P	1	DEUTSCH DTP RECEPTACLE	DEUTSCH
8		XXXXX	1	MOUSE SWITCH with ARB LOGO PRINT ON FRONT FACE	
9		XXXXX	1	3 WAY FEMALE CONNECTOR FOR MOUSE SWITCH	
10		XXXXX	1	2-WAY PLUG	
11		XXXXX	2	2-WAY RECEPTACLE	
12		XXXXX	1	H4 HEADLIGHT PLUG	
13		XXXXX	1	H4 HEADLIGHT RECEPTACLE	
14		XXXXX	1	HB3 HEADLIGHT PLUG	
15		XXXXX	1	HB3 HEADLIGHT RECEPTACLE	
20		XXXXX	3	FEMALE TERMINALS TO SUIT 3 WAY MALE CONNECTOR	
21		XXXXX	2	BLADE FUSE TERMINAL	
22		XXXXX	2	MIDI FUSE TERMINAL	
23		XXXXX	4	RELAY FEMALE TERMINAL	
24		0460-204-12141	2	MALE TERMINAL TO SUIT DEUTSCH RECEPTACLE	DEUTSCH
25		XXXXX	3	MALE TERMINAL TO SUIT 3 WAY FEMALE CONNECTOR	
26		XXXXX	2	FEMALE TERMINAL TO SUIT PLUG	
27		XXXXX	4	MALE TERMINAL TO SUIT RECEPTACLE	
29		XXXXX	3	MALE TERMINAL TO SUIT H4 PLUG	
30		XXXXX	3	FEMALE TERMINAL TO SUIT H4 RECEPTACLE	
31		XXXXX	2	FEMALE TERMINAL TO SUIT HB3 PLUG	
32		XXXXX	2	MALE TERMINAL TO SUIT HB3 RECEPTACLE	
40		XXXXX	1	2 AMP BLADE FUSE	
41		XXXXX	1	30 AMP MIDI FUSE	
42		XXXXX	1	40AMP RELAY WITH RESISTOR PROTECTION	
43		XXXXX	2	Ø8 x 25mm BLACK HEATSHRINK TO SUIT RING TERMINAL	
44		XXXXX	2000mm	Ø8mm BLACK INFLAMMABLE SOFT PVC	
45*		XXXXX	1	ACCESSORIES BAG	
46*		XXXXX	15	CABLE TIES 150mm	
47*		XXXXX	1	MOUSE SWITCH ADHESIVE PAD	
48*		XXXXX	1	PHILIPS HEAD SCREW	
49*		XXXXX	1	SPRING WASHER	
50		WP-2P	1	WEDGELOCK TO SUIT DEUTSCH DTP RECEPTACLE	DEUTSCH
51*		XXXXX	1	Ø8mm RING TERMINAL	
52*		XXXXX	1	INLINE WIRE CONNECTOR (SCOTCH LOCK)	
53*		XXXXX	3260mm	Ø6mm BLACK INFLAMMABLE SOFT PVC	
54		XXXXX	1	MIDI FUSE HOLDER - MTA BRAND	MTA

NOTE: ITEMS MARKED * ARE NOT SHOWN

PACKAGING INSTRUCTIONS
TYPE: COLOURED CARTON WITH ARB SUPPLIED ARTWORK
SIZE: 259mmX99mmX80mm
SPECIAL REQUIREMENTS: N/A
LABEL REQUIRED:N/A

PACKAGING LABEL FORMAT AND CONTENT
COMPANY: ARB 4X4 ACCESSORIES
DESCRIPTION: ARB LB V2 WIRING LOOM
PART NO: 3500811
BARCODE: TBA
PACKAGED WEIGHT: N/A
REFER TO ATTACHED FILE FOR PACKAGING ARTWORK

PROPRIETARY & CONFIDENTIAL © COPYRIGHT ALL RIGHTS RESERVED. THIS DRAWING MUST NOT BE COPIED OR USED FOR ANY PURPOSE WITHOUT THE EXPRESS AUTHORITY OF ARB CORPORATION LIMITED.	DIMENSIONAL TOLERANCES DIVISION OF NOMINAL UNIT = mm <table border="1" style="width: 100%; border-collapse: collapse; font-size: 6px;"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">HARNESS</th> <th colspan="3">SINGLE WIRE</th> </tr> <tr> <th>TRUNK</th> <th colspan="2">BRANCH</th> <th></th> <th colspan="2">WIRE</th> </tr> </thead> <tbody> <tr> <td>0 - 200</td> <td>10</td> <td>10</td> <td>10</td> <td>0</td> <td>10</td> <td>5</td> </tr> <tr> <td>201 - 500</td> <td>20</td> <td>20</td> <td>20</td> <td>5</td> <td>20</td> <td>10</td> </tr> <tr> <td>501 - 2000</td> <td>30</td> <td>30</td> <td>30</td> <td>10</td> <td>30</td> <td>15</td> </tr> <tr> <td>2001 - 5000</td> <td>50</td> <td>50</td> <td>50</td> <td>15</td> <td>50</td> <td>20</td> </tr> <tr> <td>5001 +</td> <td>150</td> <td>100</td> <td>200</td> <td>50</td> <td>150</td> <td>100</td> </tr> </tbody> </table>		HARNESS			SINGLE WIRE			TRUNK	BRANCH			WIRE		0 - 200	10	10	10	0	10	5	201 - 500	20	20	20	5	20	10	501 - 2000	30	30	30	10	30	15	2001 - 5000	50	50	50	15	50	20	5001 +	150	100	200	50	150	100
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ARB Corporation Ltd

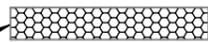
DO NOT SCALE
 ALL DIMENSIONS IN MILLIMETERS
 GENERAL MATERIALS AND FINISH REQUIREMENTS REFER TO S01-069
 DETAILED S Stickney
 CHECKED J LUKE
 DATE 30/06/2020
 DATE 13/07/2020
 THIRD ANGLE PROJECTION
 SCALE 1:5 SIZE A3

TITLE:	ARB LB V2 WIRING LOOM
MATERIAL:	AS NOTED
FINISH:	AS NOTED
PART NO.:	3500811
PAGE 1 OF 3	REV. A

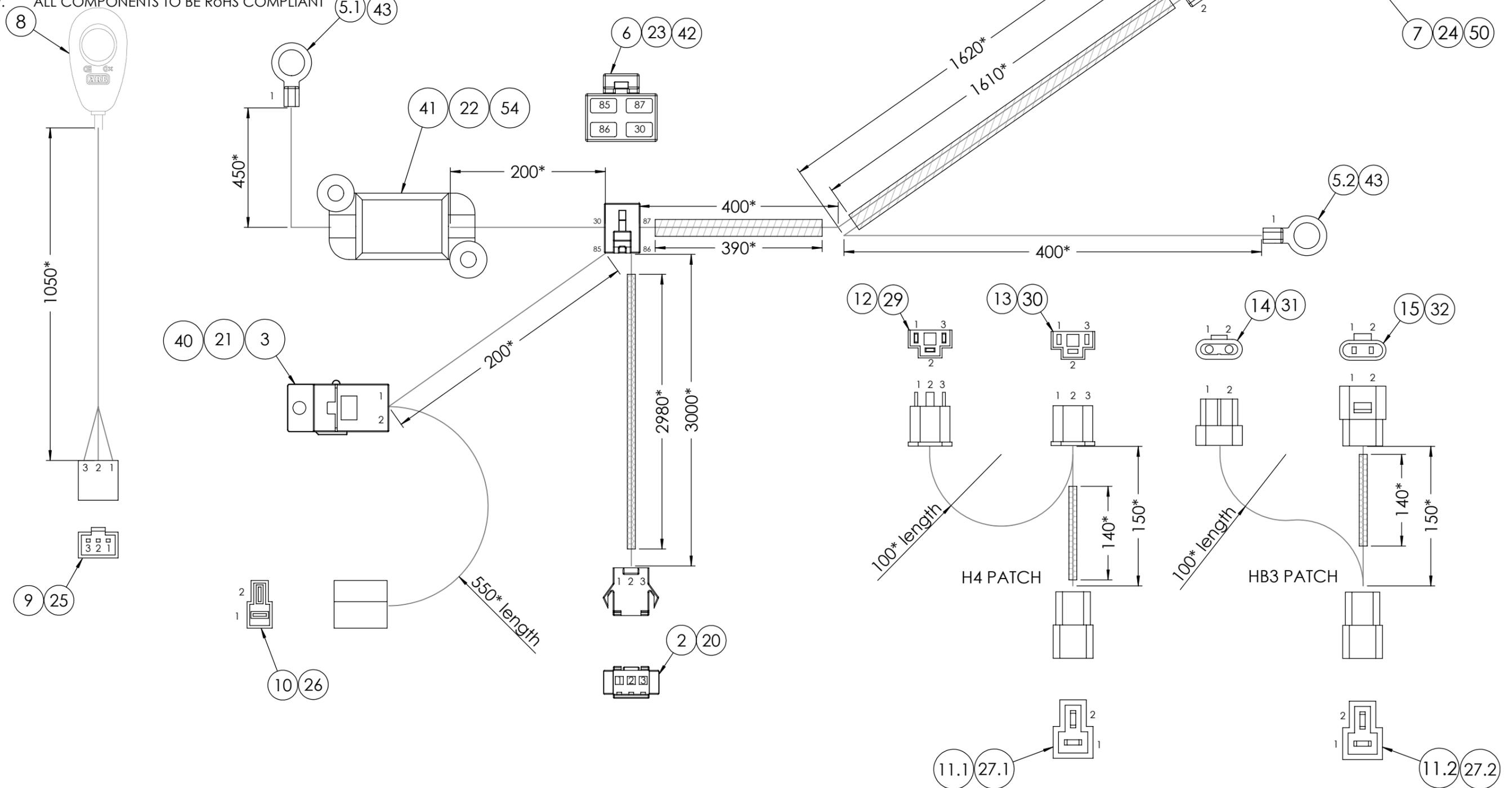
CONTROLLED DRAWING

MANUFACTURING NOTES AND INSTRUCTIONS:

1. CABLES USED TO BE AVS,AVSS OR CAVS STANDARD
2. HARNESS TO BE 100% TESTED
3. PVC INSULATION TO BE FLAME RETARDANT
4. ALL LOOSE WIRES TO BE STRIPPED TO 5MM
5. CONNECTOR TERMINALS DESIGNATION VIEW FROM FRONT
6. ALL RELAYS MUST HAVE SPIKE SUPPRESSION (RESISTOR PROTECTION)
7. ALL TERMINALS TO BE CRIMPED
8. HARNESS DESIGNED TO RUN ON 12VDC
9. ALL COMPONENTS TO BE RoHS COMPLIANT

- 44  BLACK INFLAMMABLE SOFT PVC - Ø8mm INTERNAL
WORKING TEMP: -20°C TO 105°C
- 53  BLACK INFLAMMABLE SOFT PVC - Ø6mm INTERNAL
WORKING TEMP: -20°C TO 105°C

REVISIONS				
REV.	DESCRIPTION	BY	DATE	ECN No.
-02	Increase wire size from 0.85mm ² to 1.25mm ² circuits 11, 12, 13, 14 and 15.	SS	30/06/2020	-
A	RELEASE	SS	12/07/2020	



NOTE: DIMENSIONS MARKED * ARE NOT TO SCALE

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PAGE 2 OF 3		REV. A																																			

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CIRCUIT TABLE

REVISIONS

REV.	DESCRIPTION	BY	DATE	ECN No.
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A	RELEASED	SS	13/07/2020	

COMPONENT ID	SUB-COMPONENT ID	DESCRIPTION	PIN NUMBER	CIRCUIT NO.	COLOUR	WIRE SIZE (mm ²)	COMPONENT PART# / SUPPLIER	SEAL PART# / SUPPLIER	FUNCTION	COMMENT
2		3 WAY MALE CONNECTOR FOR MOUSE SWITCH								MATES WITH 9
	20	FEMALE TERMINALS TO SUIT 3 WAY MALE CONNECTOR	1	1	WHITE	0.5	XXXXX	N/A	MOUSE IN+	
	20	FEMALE TERMINALS TO SUIT 3 WAY MALE CONNECTOR	2	2	BROWN	0.5	XXXXX	N/A	HI BEAM IN	
	20	FEMALE TERMINALS TO SUIT 3 WAY MALE CONNECTOR	3	E1	BLACK	0.5	XXXXX	N/A	GROUND	
3		BLADE FUSE HOLDER								
	21	BLADE FUSE TERMINAL	1	2	BROWN	0.5	XXXXX	N/A	HI BEAM IN	
	21	BLADE FUSE TERMINAL	2	3	BROWN	0.85	XXXXX	N/A	HI BEAM IN	
54		MIDI FUSE HOLDER								
	22	MIDI FUSE TERMINAL	1	4	YELLOW	3.0	XXXXX	N/A	POSITIVE SUPPLY	
	22	MIDI FUSE TERMINAL	2	5	YELLOW	3.0	XXXXX	N/A	POSITIVE SUPPLY	
5.1		Ø 8mm RING TERMINAL	1	4	YELLOW	3.0	XXXXX	N/A	POSITIVE SUPPLY	
5.2		Ø 8mm RING TERMINAL	1	E2	BLACK	3.0	XXXXX	N/A	GROUND	
6		RELAY BASE/4 WAY CONNECTOR								
	23	RELAY FEMALE TERMINAL	30	5	YELLOW	3.0	XXXXX	N/A	POSITIVE SUPPLY	
	23	RELAY FEMALE TERMINAL	85	E1	BLACK	0.5	XXXXX	N/A	GROUND	DOUBLE CRIMP
				E4	BLACK	0.85	XXXXX	N/A	GROUND	
	23	RELAY FEMALE TERMINAL	86	1	WHITE	0.5	XXXXX	N/A	MOUSE IN+	
	23	RELAY FEMALE TERMINAL	87	13	RED	3.0	XXXXX	N/A	LIGHT OUT+	
7		DEUTSCH DTP RECEPTACLE					DTP04-2P / DEUTSCH	N/A		
	24	MALE TERMINAL TO SUIT DEUTSCH RECEPTACLE	1	13	RED	3.0	0460-204-12141 / DEUTSCH	N/A	LAMP POSITIVE SUPPLY	
	24	MALE TERMINAL TO SUIT DEUTSCH RECEPTACLE	2	E2	BLACK	3.0	0460-204-12141 / DEUTSCH	N/A	GROUND	
9		3 WAY FEMALE CONNECTOR FOR MOUSE SWITCH								MATES WITH 2
	25	MALE TERMINAL TO SUIT 3 WAY FEMALE CONNECTOR	1	6	WHITE	0.3	XXXXX	N/A	TRIGGER	
	25	MALE TERMINAL TO SUIT 3 WAY FEMALE CONNECTOR	2	7	RED	0.3	XXXXX	N/A	HI BEAM IN	
	25	MALE TERMINAL TO SUIT 3 WAY FEMALE CONNECTOR	3	E5	BLACK	0.3	XXXXX	N/A	GROUND	
10		2-WAY PLUG								MATES WITH 11
	26	FEMALE TERMINAL TO SUIT PLUG	1	3	BROWN	0.85	XXXXX	N/A	HI BEAM SIGNAL	
	26	FEMALE TERMINAL TO SUIT PLUG	2	E4	BLACK	0.85	XXXXX	N/A	GROUND	
11.1		2-WAY RECEPTACLE								MATES WITH 10
	27.1	MALE TERMINAL TO SUIT RECEPTACLE	1	8	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	
	27.1	MALE TERMINAL TO SUIT RECEPTACLE	2	E6	BLACK	1.25	XXXXX	N/A	GROUND	
11.2		2-WAY RECEPTACLE								
	27.2	MALE TERMINAL TO SUIT RECEPTACLE	1	12	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	DOUBLE CRIMP
				9	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	
	27.2	MALE TERMINAL TO SUIT RECEPTACLE	2	E7	BLACK	1.25	XXXXX	N/A	GROUND	DOUBLE CRIMP
				E9	BLACK	1.25	XXXXX	N/A	GROUND	
12		H4 HEADLIGHT PLUG								
	29	MALE TERMINAL TO SUIT H4 PLUG	1	10	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	
	29	MALE TERMINAL TO SUIT H4 PLUG	2	11	BLUE	1.25	XXXXX	N/A	LOW BEAM PATCH	
	29	MALE TERMINAL TO SUIT H4 PLUG	3	E8	BLACK	1.25	XXXXX	N/A	GROUND	
13		H4 HEADLIGHT RECEPTACLE								
	30	FEMALE TERMINAL TO SUIT H4 RECEPTACLE	1	E6	BLACK	1.25	XXXXX	N/A	GROUND	DOUBLE CRIMP
				E8	BLACK	1.25	XXXXX	N/A	GROUND	
	30	FEMALE TERMINAL TO SUIT H4 RECEPTACLE	2	11	BLUE	1.25	XXXXX	N/A	LOW BEAM PATCH	
	30	FEMALE TERMINAL TO SUIT H4 RECEPTACLE	3	8	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	DOUBLE CRIMP
				10	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	
14		HB3 HEADLIGHT PLUG								
	31	FEMALE TERMINAL TO SUIT HB3 PLUG	1	E7	BLACK	1.25	XXXXX	N/A	GROUND	
	31	FEMALE TERMINAL TO SUIT HB3 PLUG	2	12	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	
15		HB3 HEADLIGHT RECEPTACLE								
	32	MALE TERMINAL TO SUIT HB3 RECEPTACLE	1	9	BROWN	1.25	XXXXX	N/A	HI BEAM SIGNAL	
	32	MALE TERMINAL TO SUIT HB3 RECEPTACLE	2	E9	BLACK	1.25	XXXXX	N/A	GROUND	

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ARB Corporation Ltd

TITLE: ARB LB V2 WIRING LOOM

DIVISION OF NOMINAL UNIT = mm	HARNESSES				SINGLE WIRE	
	TRUNK	BRANCH		WIRE		
0 - 200	10	10	10	0	10	5
201 - 500	20	20	20	5	20	10
501 - 2000	30	30	30	10	30	15
2001 - 5000	50	50	50	15	50	20
5001 +	150	100	200	50	150	100

DO NOT SCALE

ALL DIMENSIONS IN MILLIMETERS

GENERAL MATERIALS AND FINISH REQUIREMENTS REFER TO S01-069



THIRD ANGLE PROJECTION
 SCALE 1:5 SIZE A3

MATERIAL: AS NOTED	FINISH: AS NOTED	PART NO.: 3500811	PAGE 3 OF 3	REV. A
DETAILED S Stickney CHECKED J LUKE		DATE 30/06/2020 DATE 13/07/2020		