Annex – A

Details of the NXP Kit

This kit is not for any commercial usage/ sale. It is only for demonstration and participation in NXP AIM 2024 challenge

S.No.	Item Number	Description	Quantity	Category	Sub- Item Number
1	901-10008	HW ACCESSORY, WLTOYS WL124017 CAR WITHOUT RADIO CONTROLLER, WITHOUT BATTERY AND WITHOUT RADIO RECEIVER and 1:12 Electric 4WD Climbing Car Instruction Manual for Model No. 124017 and USB Charger KX7V4-200 7.4V 2S with 3 Pin Connector	1	Base Mechanical Frame Components	
2	901-77273	HW ACCESSORY, J-LINK EDU MINI DEBUGGER	1	Base Mechanical Frame Components	
3	700-31354	PWA, DCD-LZ-ADAPT	1	Base Mechanical Frame Components	
4	600-77370	CABLE, USB-TTL, FTDI TTL-232R-3V3, 6 PIN CONNECTOR, +3.3V, 0.70 M	1	Base Mechanical Frame Components	
5	901-77364	RC TOOLS 7 IN 1 HEX SCREWDRIVER SET HEXAGONAL	1	Base Mechanical Frame Components	
6	280-77408	PRE-CUT DOUBLE-SIDED FOAM SQUARES - 1/16" thick, 1/2 x 1/2"	10	Base Mechanical Frame Components	
7	901-77659	HW ACCESSORY RC XT60 FEMALE TO MALE DEANS T PLUG ADAPTER	1	Base Mechanical Frame Components	
8	600-77612	CABLE TIES, BLACK UV STABILIZED NYLON - 4", 18 LB	10	Base Mechanical Frame Components	
9	700-47472	PX4ARMINGBRD Board	1	Base Mechanical Frame Components	
10	600-77546	Cable for PX4ARMINGBRD (10-Pin JST-GH)	1	Base Mechanical Frame Components	
11	901-10005	HW ACCESSORY, DIRECT TIME OF FLIGHT LIDAR	1	Base Mechanical Frame Components	
12	280-10004	FASTENER, SCREW M2.5x10MM BLACK HEX SOCKET HEAD CAP	3	Base Mechanical Frame Components	
13	280-10006	NUT, M2.5 x 0.45MM NYLON INSERTED HEX SELF LOCK NUT, BLACK ZINC PLATED, DIN985	3	Base Mechanical Frame Components	
14	280-10007	FASTENER, SCREW M3 X 0.5 X 8.0MM LONG, HEX DRIVE, BUTTON HEAD, PASSIVATED 18-8 SS	3	Base Mechanical Frame Components	
15	280-10008	NUT, M3 X 0.5 X 4MM NYLON INSERTED HEX SELF LOCK NUT, BLACK ZINC PLATED	3	Base Mechanical Frame Components	
16	280-10009	FASTENER, SCREW M3 X 0.5 X 5.0MM LONG, HEX DRIVE, BUTTON HEAD, PASSIVATED 18-8 SS	16	Base Mechanical Frame Components	

17	280-10012	FASTENER, SCREW M3 X 0.5 X 10MM LONG, HEX DRIVE, SOCKET HEAD, 18-8 SS	8	Base Mechanical Frame Components	
18	280-10013	FASTENER, SCREW M3 X 0.5 X 14MM LONG, HEX DRIVE, SOCKET HEAD, 18-8 SS	4	Base Mechanical Frame Components	
19	280-10014	FASTENER, SCREW M2.5 X 0.5 X 8MM LONG, PHILLIPS, FLAT HEAD TAPPING, 18-8 SS	4	Base Mechanical Frame Components	
20	805-77575	THE HOVERGAMES; COLOR LABEL Die Cut Sticker: 3.0" X 2.91"	1	Base Mechanical Frame Components	
21	805-10002	LABEL, COGNIPILOT SMALL LOGO STICKER, 1" X 1"	2	Base Mechanical Frame Components	
22	805-10001	LABEL, NXP COLOR LOGO STICKER, 75MM" X 30MM	1	Base Mechanical Frame Components	
23	805-10003	LABEL, COGNIPILOT LARGE LOGO STICKER, 50MM X 30MM	1	Base Mechanical Frame Components	
24	901-77605	HW ACCESSORY, M3 NYLON SPACER KIT 180PCS M3 NYLON M-F HEX SPACERS SCREW NUT ASSORTMENT SET	1	Base Mechanical Frame Components	
25	901-77606	HW ACCESSORY, M2/M2.5/M3 SCREW FASTENER KIT FOR WLTOYS 144001 1/14 RC	1	Base Mechanical Frame Components	
26	600-10006	CABLE, SERVO EXTENSION LEAD WIRING CABLE MALE TO MALE, 300 MM	2	Base Mechanical Frame Components	
27	600-77359	CABLE, CUSTOM FOR DCD-LZ-ADAPT, 7 POSITION, JST-GH CONNECTOR, 100 MM	1	Base Mechanical Frame Components	
28	901-10012	HW ACCESSORY, XT60 PANEL MOUNT ADAPTER	1	Base Mechanical Frame Components	
29	600-10009	CABLE, CUSTOM PDB TO CANHUBK3 CABLE, 6 POSITION, JST-CH CONNECTOR, 10 INCHES	1	Base Mechanical Frame Components	
30	590-10002	FOAM, BLOCK 400MM WIDTH 600MM LENGTH X 200MM THICKNESS	1	Base Mechanical Frame Components	
31	280-77781	FASTENER STANDOFFS 6x35MM & (TOP/BOTTOM) 3MMx5 SOCKET HEAD	1	Base Mechanical Frame Components	
32	901-10038	HW ACCESORY, RECLOSABLE FASTENER HOOK AND LOOP, ADHESIVE 1" X 0.5"	8	Base Mechanical Frame Components	
33	91352	X-MR-B3RB-S	1	X-MR-B3RB-M LIST	
34	91354	X-MR-B3RB-MUK, Mech Upgrade Kit (MUK)	1	X-MR-B3RB-M LIST	
35	91353	X-MR-B3RB-BMF and includes X-MR-LIDAR-STL-27	1	X-MR-B3RB-M LIST	
36	926-10002	MR-B3RB Pre-Production Prototype PAPER	1	X-MR-B3RB-M LIST	
37	901-10015	HW ACCESSORY, 2-in-1 — 1-8s Lipo Li-ion Battery Voltage Tester Check,	1	X-MR-B3RB-M LIST	

		Monitor RC Low-Voltage Buzzer Alarm (Hardware - BX100)			
38	600-10004	CUSTOM B3RB LED CABLE	1	X-MR-B3RB-M LIST	
39	600-10003	STEMMA QT Cable	1	X-MR-B3RB-M LIST	
40	600-10002	28 AWG cables (Red, Black, Black, Yellow) 30cm length ZH1.5T-4P1.5mm connector	1	X-MR-B3RB-M LIST	
41	600-10005	RC Remote to CANHUBK3 UART Custom Cable	1	X-MR-B3RB-M LIST	
42	600-10008	CABLE XT-60 EXTENSION CABLE	1	X-MR-B3RB-M LIST	
43	801-10016	ADAPTER, BATTERY CONNECTOR POST MOUNT FOR B3RB	1	X-MR-B3RB-M LIST	
44	801-10017	BRACKET, LIDAR MOUNT JACK FOR B3RB	1	X-MR-B3RB-M LIST	
45	901-10050	HW ACCESSORY, NEURALPROBE MODULE	1	X-MR-B3RB-M LIST	
46	600-10012	CABLE, S PIN POWER CABLE, 10 IN, FOR MR-CANHUBK344-MIN	1	X-MR-B3RB-M LIST	
47		Battery	1	X-MR-B3RB-M LIST	
48		Charger	1	X-MR-B3RB-M LIST	
49	700-89377	PWA, MR-CANHUBK344	1	MR-CANHUBK344 Components	
50	700-47294	PWA, DRONE-CAN-TERM (CAN Bus Termination Resistor)	1	MR-CANHUBK344 Components	
51	336-77458	HW ACCESSORY, 0.91 inch OLED Display Module IIC SSD1306 128x32 OLED	1	MR-CANHUBK344 Components	
52	600-77466	CABLE, 4 PIN JST-GH TO 4 PIN JST-GH 300 MM	1	MR-CANHUBK344 Components	
53	600-77467	CABLE, ASSY, 4 PIN JST-GH TO 4 PIN JST-GH 50 MM	1	MR-CANHUBK344 Components	
54	600-77521	DATA CABLE, 2 PIN JST-GH TO 2 PIN JST-GH 254 MM	1	MR-CANHUBK344 Components	
55	600-77602	HW ACCESSORY, 5 PIN TO 5 PIN POWER INPUT CABLE	1	MR-CANHUBK344 Components	
56	600-77603	HW ACCESSORY, POWER INPUT CABLE SYP TO DC5.5, 2.1 JACK	1	MR-CANHUBK344 Components	
57	600-77604	HW ACCESSORY, POWER INPUT CABLE, SYR 2 PINS TO GHR 5 PINS	1	MR-CANHUBK344 Components	
58	600-77625	HW ACCESSORY, XT60 Male to XT60 Female with SYP in parallel	1	MR-CANHUBK344 Components	
59	926-79071	POSTCARD, MR-CANHUBK344, 6" X 4"	1	MR-CANHUBK344 Components	
60	700-88954	PWA, NAVQ-PLUS-2A	1	HW ASSY, 8MPNAVQ-8GB-G KIT	
61	700-89912	PWA, 8MPNAVQ-808-G	1	HW ASSY, 8MPNAVQ-8GB-G KIT	

62	800-76568	ENCLOSURE, NAVOPLUS ENCLOSURE KIT WITH HEATSINK	1	HW ASSY, 8MPNAVQ-8GB-G KIT	
63	901-77809	HW ACCESSORY, FIXED FOCUS CAMERA MODULE, CMOS S.MMP	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
64	800-78571	ENCLOSURE, ASSY, SCOOR Resin, NRR-NOCAM-CIV5648	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
65	700-87692	PWA, 8MPNAVQ-USBSER	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
66	334-77918	Micro SDCS2 32GB, Class 10 UHS-I, Canvas Select Plus	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
67	600-77602	HW ACCESSORY, 5 PIN TO 5 PIN POWER INPUT CABLE	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
68	600-77604	HW ACCESSORY, POWER INPUT CABLE, SYR 2 PINS TO GHR 5 PINS	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
69	600-77625	HW ACCESSORY, XT60 Male to XT60 Female with SYP in parallel	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
70	600-77521	DATA CABLE, 2 PIN JST-GH TO 2 PIN JST-GH 254 MM	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
71	600-77456	CABLE, 4 PIN JST-GH TO 4 PIN JST-GH 300 MM	2	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
72	600-77370	CABLE, USB-TTL, FTDI TTL-232R-3V3, 6 PIN CONNECTOR, +3.3V, 0.70 M	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
73	650-77719	HW CABLE GH 5 PIN TO GH 5 PIN, 100 MM	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
74	600-77212	USB CABLE, USB 3.0 A/M TO TYPE C CABLE, 1M	1	HW ASSY, INNOCAM KIT WITH	

				ENCLOSURE AND SCREWS	
75	600-77658	CABLE, IX INDUSTRIAL IP20 CABLE, IX TO RJ45	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
76	928-79059	QSG, Quick Start Guide For NAVQPLUSPC	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
77	926-79301	FLYER, INNOWAVE DESIGN MARKETING FLYER	1	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
78	926-79302	EMCRAFT QR CODE STICKER	3	HW ASSY, INNOCAM KIT WITH ENCLOSURE AND SCREWS	
79	280-78113	FASTENER, SCREW, M3-0.5X12, SOCKET HEAD, SS	4	HW ACCESSORY, ZIPLOCK BAG CONTAINING MOUNTING ACCESSORIES FOR SMPNAVQ-8GB-G AND MR-NOCAM-OV5646	901-77834
80	280-78116	FASTENER, SCREW, 10-02x3/4", SOCKET HEAD, ss	1	HW ACCESSORY, ZIPLOCK BAG CONTAINING MOUNTING ACCESSORIES FOR SMPNAVQ-8GB-G AND MR-NOCAM-OV5646	901-77834
81	269-78117	FASTENER, NUT, 10-32, HEX, 55	1	HW ACCESSORY, ZIPLOCK BAG CONTAINING MOUNTING ACCESSORIES FOR SMPNAVQ-8GB-G AND MR-NOCAM-OV5646	901-77834
82	801-77546	BRACKET, MOUNT, White Resin, MR-NQCAM-OV5645	1	HW ACCESSORY, ZIPLOCK BAG CONTAINING MOUNTING ACCESSORIES FOR SMPNAVQ-8GB-G	901-77834

				AND MR-NOCAM-OV5646	
83	260-77408	PRE-CUT DOUBLE-SIDED FOAM SQUARES # 1/16" thick, 1/2 x 1/2"	4	HW ACCESSORY, ZIPLOCK BAG CONTAINING MOUNTING ACCESSORIES FOR SMPNAVQ-8GB-G AND MR-NOCAM-OV5646	901-77834