

Mobile Barcode Printer

Alpha-30R Series

Direct Thermal

Series Models

Alpha-30R



Parts List

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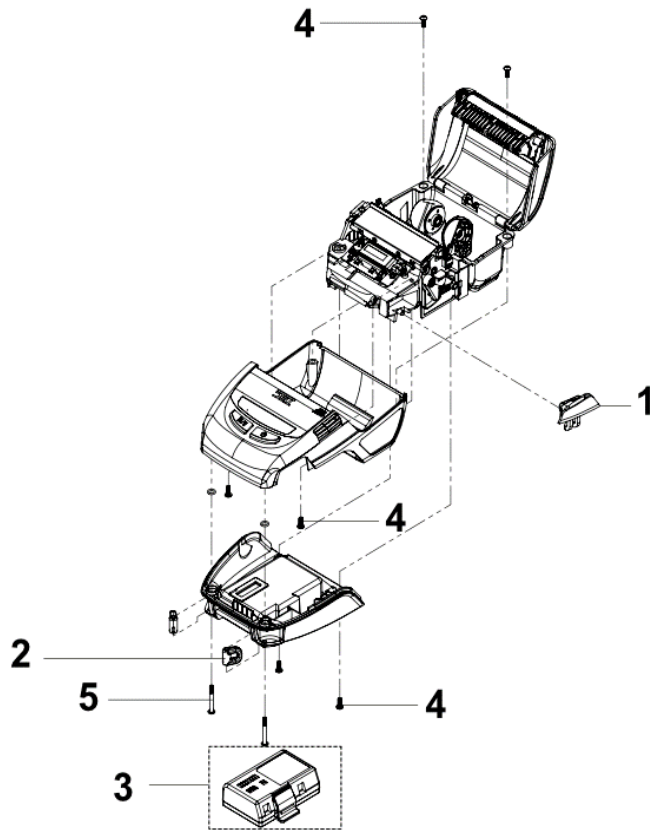
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Illustrated Parts Breakdown

This document contains drawings of the electromechanical assemblies comprising the printer. The table following each illustration lists the illustrated parts and their part numbers.

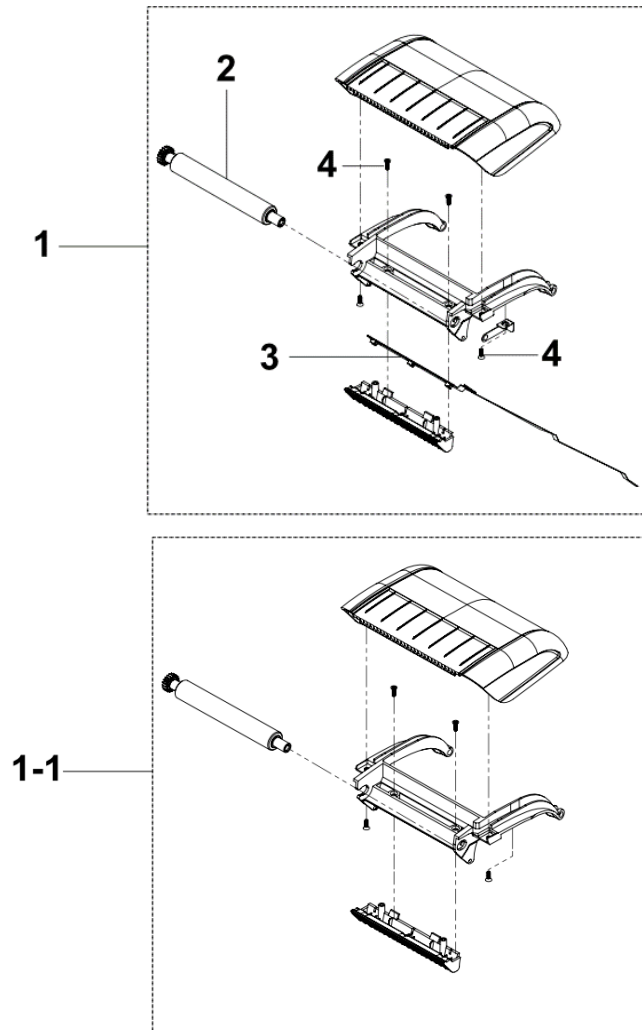
1. Cover Components and Battery



NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
1	SP-A30R-0001	INTERFACE COVER (10PCS/BAG)	1%
2	SP-A30R-0002	LOOP (10PCS/BAG)	1%
3	OP-P-SB-002-0001	TDM-BAT30S (SMART BATTERY FOR APLHA-30L, TDM-30, ALPHA-30R) (1PC/CTN)	5%
	OP-P-RB-001-0001	TDM-BAT30 (REGULAR BATTERY FOR APLHA-30L, TDM-30, ALPHA-30R) (1PC/CTN)	5%
4*	--	SCREW,M3X8 (HEX)	
5*	--	SCREW,M3XL25	

* Available only in Hardware Field Kit (P/N: SP-A30R-0030)

2. Media Cover Assemblies

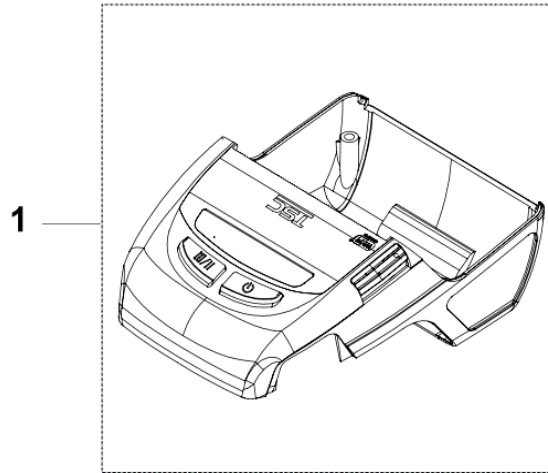


NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
1	SP-A30R-0003	MEDIA COVER ASSY/ PREMIUM MODEL (1PC/BAG)	3%
1-1	SP-A30R-0004	MEDIA COVER ASSY/ BASIC MODEL (1PC/BAG)	3%
N/S	SP-A30R-0005	MEDIA COVER ASSY/ LINERLESS MODEL (1PC/BAG)	3%
2	SP-A30R-0006	PLATEN ROLLER ASSEMBLY/ REGULAR (1PC/BAG)	5%
N/S	SP-A30R-0007	PLATEN ROLLER ASSEMBLY/ LINERLESS (1PC/BAG)	5%
N/S	SP-A30R-0008	LINERLESS GUIDE ROLLER (1PC/BAG)	5%
3	SP-A30R-0009	BLACK MARK SENSOR ON ROLLER SIDE/ PREMIUM MODEL (1PC/BAG)	3%
4*	--	SCREW, TP2xL6	

N/S: Not shown in the image.

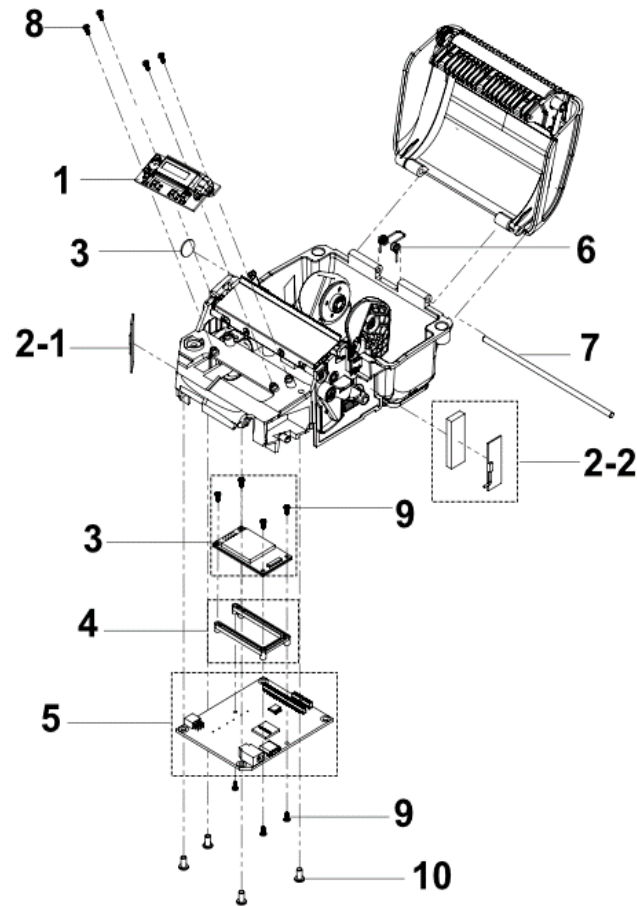
* Available only in Hardware Field Kit (P/N: SP-A30R-0030)

3. Top Cover Assemblies



NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
1	SP-A30R-0010	TOP COVER ASSEMBLY/ FOR WI-FI + BT4.2 MODEL (1PC/BAG)	3%
	SP-A30R-0011	TOP COVER ASSEMBLY/ FOR MFI BLUETOOTH MODEL (1PC/BAG)	3%

4. Internal Mechanism Assemblies 1/2

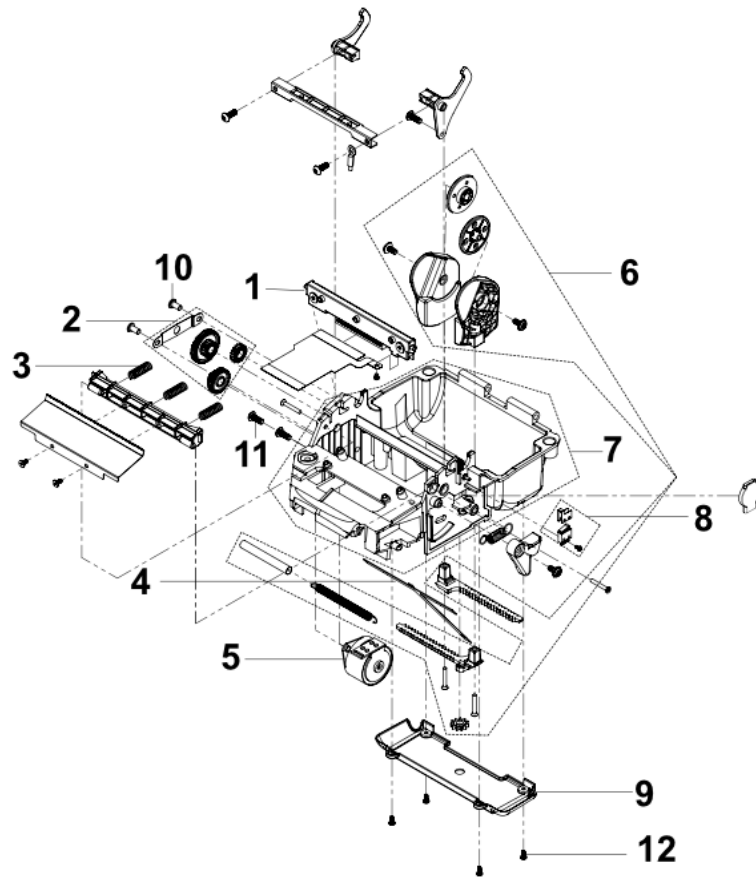


NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
1	SP-A30R-0012	LCD BOARD PCB-A ASSY (1PC/CTN)	3%
2-1	SP-A30R-0013	WIFI ANTENNA WITH MHF CABLE, 61MM (1PC/BAG)	3%
2-2	SP-A30R-0014	WIFI ANTENNA WITH MHF CABLE, 105MM (1PC/BAG)	3%
3	SP-A30L-0020	MFi BLUETOOTH 5.0 MODULE, NFC TAG, A30L/A40L/A40LR/A30R (1PC/BOX)	3%
	WF-COM-1004	802.11 a/b/g/n/ac Wi-Fi+BLUETOOTH 4.2 COMBO MODULE, NFC TAG, US (1PC/CTN)	3%
	WF-COM-2004	802.11 a/b/g/n/ac Wi-Fi+BLUETOOTH 4.2 COMBO MODULE, NFC TAG, EU (EMEA) (1PC/CTN)	3%
	WF-COM-A004	802.11 a/b/g/n/ac Wi-Fi+BLUETOOTH 4.2 COMBO MODULE, NFC TAG, CN (1PC/CTN)	3%
	WF-COM-4004	802.11 a/b/g/n/ac Wi-Fi+BLUETOOTH 4.2 COMBO MODULE, NFC TAG, AU (1PC/CTN)	3%
4	SP-A30R-0015	HOLDER FOR WIFI/BT MODULE (5PCS/BAG)	2%
5	SP-A30R-0016	MAINBOARD ASSY (1PC/CTN)	3%
6	SP-A30R-0017	TORSION SPRING (10PCS/BAG)	2%
7	SP-A30R-0018	SHAFT (10PCS/BAG)	2%
8*	--	SCREW, TP2XL6	
9*	--	SCREW, TP2xL4	
10*	--	SCREW, TP3xL6	

N/S: Not shown in the image.

* Available only in Hardware Field Kit (P/N: SP-A30R-0030)

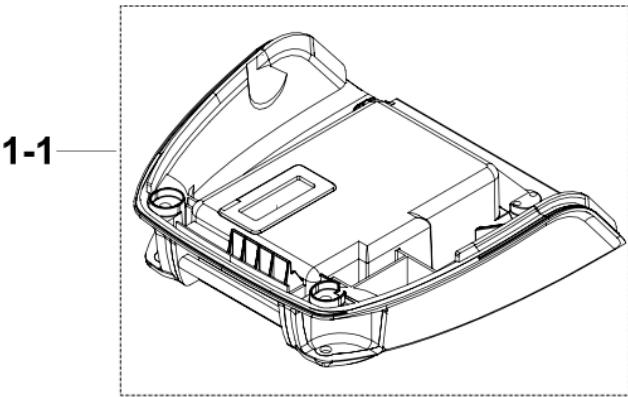
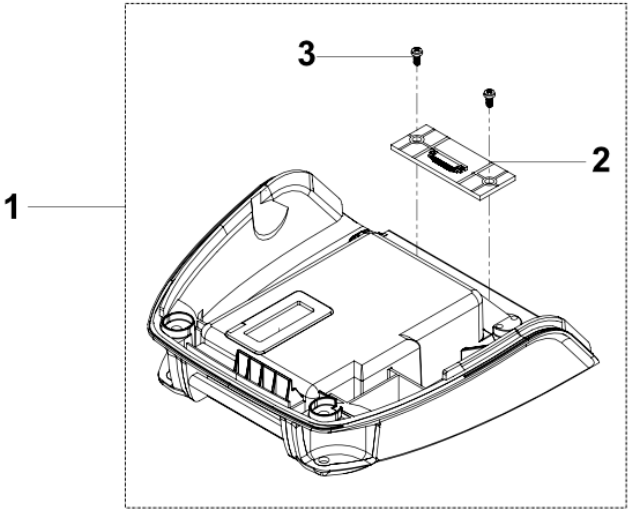
5. Internal Mechanism Assemblies 2/2



NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
1	PH-A30R-0001	PRINTHD ASSY, ALPHA-30R BASIC MODEL (1PC/CTN)	3%
	PH-A30R-0002	PRINTHD ASSY, ALPHA-30R PREMIUM MODEL (1PC/CTN)	3%
2	SP-A30R-0019	STEPPING MOTOR GEARS (5SETS/CTN)	2%
3	SP-A30R-0020	SPRINGS, PRINTHD (10PCS/BAG)	1%
4	SP-A30R-0021	BLACK MARK SENSOR ON TPH SIDE (1PC/BAG)	2%
5	SP-A30R-0022	STEPPING MOTOR ASSEMBLY (1PC/CTN)	2%
6	SP-A30R-0023	MEDIA HOLDER ASSY (1SET/BAG)	3%
7	SP-A30R-0024	INNER CHASSIS (1PC/BAG)	1%
8	PH-A30R-0025	OPEN SENSOR MODULE ASSY (1PC/BAG)	2%
9	PH-A30R-0026	COVER, MEDIA HOLDER (5PCS/BAG)	2%
10*	--	SCREW, TP3xL6	
11*	--	HEX SCREW, M3xL8	
12*	--	SCREW, TP2xL4	

* Available only in Hardware Field Kit (P/N: SP-A30R-0030)

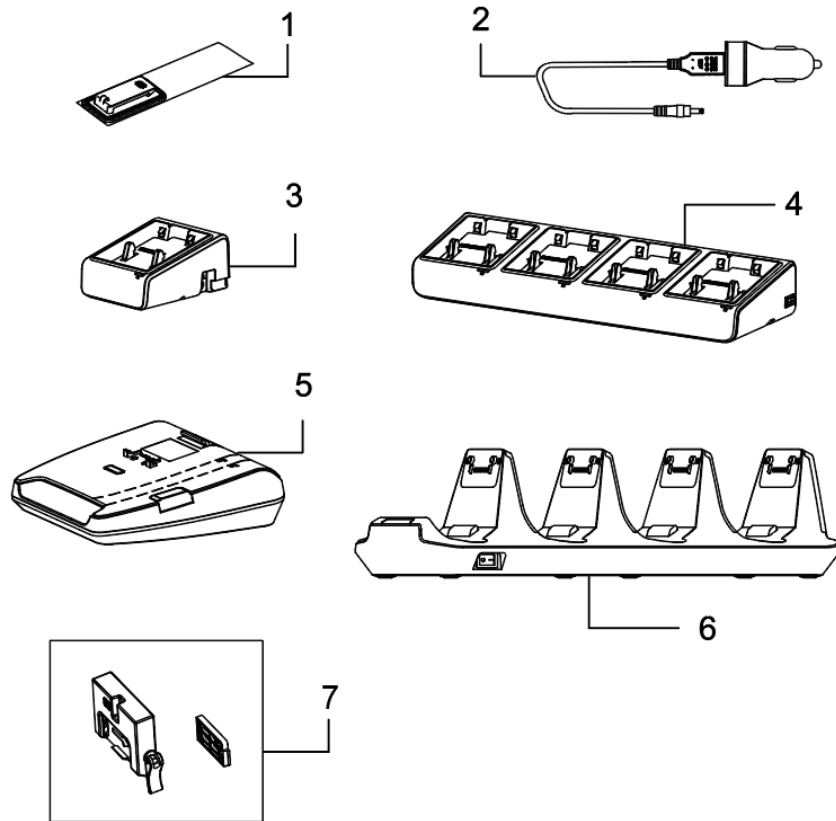
6. Lower Cover Assemblies



NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
1	SP-A30R-0027	LOWER COVER ASSY/ PREMIUM MODEL (1PC/BAG)	1%
1-1	SP-A30R-0028	LOWER COVER ASSY/ BASIC MODEL (1PC/BAG)	1%
2	SP-A30R-0029	CRADLE CHARGE ADAPTER BOARD/ PREMIUM MODEL (1PC/BAG)	1%
3*	--	SCREW, TP2xL4	

* Available only in Hardware Field Kit (P/N: SP-A30R-0030)

7. Options and Accessories



N/S: Not shown in the image.

NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
N/S	SP-COM-1003	POWER ADAPTOR, 12V/1A, US (1PC/CTN)	
	SP-COM-2003	POWER ADAPTOR, 12V/1A, EU (1PC/CTN)	
	SP-COM-3003	POWER ADAPTOR, 12V/1A, UK (1PC/CTN)	
	SP-COM-4003	POWER ADAPTOR, 12V/1A, AU (1PC/CTN)	
	SP-COM-A003	POWER ADAPTOR, 12V/1A, CN (1PC/CTN)	
	SP-COM-B003	POWER ADAPTOR, 12V/1A, KR (1PC/CTN)	
	SP-COM-C003	POWER ADAPTOR, 12V/1A, IN (1PC/CTN)	
1	OP-P-BCP-002-0001	P-BCP-002 (BELT CLIP FOR ALPHA-3R, ALPHA-30R) (1PC/BAG)	
2	OP-P-CP-003-0001	P-CP-003 (12-24V AUTOMOBILE CIGARETTE LIGHTER PLUG) (1PC/BAG)	
N/S	OP-P-CP-002-0001	P-CP-002 (12-60V AUTOMOBILE CIGARETTE LIGHTER PLUG) (1SET/BOX)	
N/S	OP-P-CP-004-0001	P-CP-004, 12-60V DC VEHICLE OPEN END POWER SUPPLY (1SET/BOX)	
3	OP-P-BC1-001-1001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, US)	
	OP-P-BC1-001-2001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, EU (EMEA))	
	OP-P-BC1-001-3001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, UK (EMEA))	
	OP-P-BC1-001-4001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, AU)	
	OP-P-BC1-001-A001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, CN)	
	OP-P-BC1-001-B001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, KR)	
	OP-P-BC1-001-C001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, IN)	
	OP-P-BC1-001-H001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, TW)	
	OP-P-BC1-001-K001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, EU (APAC))	
	OP-P-BC1-001-L001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, UK (APAC))	
	OP-P-BC1-001-M001	P-BC1-001 (1-SLOT BATTERY CHARGER STATION, UK (MY))	

NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
4	OP-P-BC4-001-1001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, US)	
	OP-P-BC4-001-2001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, EU (EMEA))	
	OP-P-BC4-001-3001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, UK (EMEA))	
	OP-P-BC4-001-4001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, AU)	
	OP-P-BC4-001-A001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, CN)	
	OP-P-BC4-001-B001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, KR)	
	OP-P-BC4-001-C001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, IN)	
	OP-P-BC4-001-H001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, TW)	
	OP-P-BC4-001-K001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, EU (APAC))	
	OP-P-BC4-001-L001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, UK (APAC))	
	OP-P-BC4-001-M001	P-BC4-001 (4-SLOT BATTERY CHARGER STATION, UK (MY))	
5	OP-P-DC1-001-1001	P-DC1-001 (1-SLOT DOCKING CRADLE, US)	
	OP-P-DC1-001-2001	P-DC1-001 (1-SLOT DOCKING CRADLE, EU (EMEA))	
	OP-P-DC1-001-3001	P-DC1-001 (1-SLOT DOCKING CRADLE, UK (EMEA))	
	OP-P-DC1-001-4001	P-DC1-001 (1-SLOT DOCKING CRADLE, AU)	
	OP-P-DC1-001-A001	P-DC1-001 (1-SLOT DOCKING CRADLE, CN)	
	OP-P-DC1-001-B001	P-DC1-001 (1-SLOT DOCKING CRADLE, KR)	
	OP-P-DC1-001-C001	P-DC1-001 (1-SLOT DOCKING CRADLE, IN)	
	OP-P-DC1-001-H001	P-DC1-001 (1-SLOT DOCKING CRADLE, TW)	
	OP-P-DC1-001-K001	P-DC1-001 (1-SLOT DOCKING CRADLE, EU (APAC))	
	OP-P-DC1-001-L001	P-DC1-001 (1-SLOT DOCKING CRADLE, UK (APAC))	
	OP-P-DC1-001-M001	P-DC1-001 (1-SLOT DOCKING CRADLE, UK (MY))	

NO.	PART NO.	DESCRIPTION	SUGGEST ATTACH RATE
6	OP-P-DC4-001-1001	P-DC4-001 (4-SLOT DOCKING CRADLE, US)	
	OP-P-DC4-001-2001	P-DC4-001 (4-SLOT DOCKING CRADLE, EU (EMEA))	
	OP-P-DC4-001-3001	P-DC4-001 (4-SLOT DOCKING CRADLE, UK (EMEA))	
	OP-P-DC4-001-4001	P-DC4-001 (4-SLOT DOCKING CRADLE, AU)	
	OP-P-DC4-001-A001	P-DC4-001 (4-SLOT DOCKING CRADLE, CN)	
	OP-P-DC4-001-B001	P-DC4-001 (4-SLOT DOCKING CRADLE, KR)	
	OP-P-DC4-001-C001	P-DC4-001 (4-SLOT DOCKING CRADLE, IN)	
	OP-P-DC4-001-H001	P-DC4-001 (4-SLOT DOCKING CRADLE, TW)	
	OP-P-DC4-001-K001	P-DC4-001 (4-SLOT DOCKING CRADLE, EU (APAC))	
	OP-P-DC4-001-L001	P-DC4-001 (4-SLOT DOCKING CRADLE, UK (APAC))	
	OP-P-DC4-001-M001	P-DC4-001 (4-SLOT DOCKING CRADLE, UK (MY))	
N/S	OP-P-EC-003-0001	P-EC-003 (PROTECTIVE CASE WITH SHOULDER STRAP FOR ALPHA-30R) (1SET/BAG)	
N/S	OP-P-SS-002-0001	P-SS-002 (SHOULDER STRAP FOR ALPHA-3R, ALPHA-30R) (1PC/BAG)	
N/S	OP-P-BEM-001-0001	P-BEM-001 (12V-48V DC-DC POWER ADAPTOR FOR ALPHA-30L, P-BEM-001)	
N/S	OP-P-BEM-003-0001	P-BEM-003, 12V-48V WIRE TO WIRE BATTERY ELIMINATOR WITH POWER SUPPLY, A30L/A30R/TDM-30 (1SET/BOX)	
N/S	OP-P-BEM-006-0001	P-BEM-006, WIRE TO WIRE DUMMY BATTERY PACK, A30L/A30R/TDM-30 (1SET/BOX)	
N/S	OP-P-VM-003-0001	P-VM-003 (VEHICLE MOUNT ADAPTER FOR ALPHA-30R) (1PC/CTN)	
7	OP-P-VM-015-0001	P-VM-015, QUICK RELEASE VEHICLE MOUNT KIT (1SET/BOX)	
N/S	OP-P-MCA-001-0001	0.75INCH MEDIA CORE ADAPTOR	
N/S	OP-P-MCA-003-0001	1 INCH + 1.5 INCH MEDIA CORE ADAPTOR	
N/S	SP-COM-0001	CLEANING PEN (12PCS/CTN)	
N/S	SP-A30R-0030	FIELD KIT, HARDWARE, ALPHA-30R	

Revision History

Date	Content	Editor
2023/11/23	♦ Modify the MFi BLUETOOTH 5.0 MODULE, NFC TAG P/N ♦ Modify the 12-24V AUTOMOBILE CIGARETTE LIGHTER P/N ♦ Add the 12-60V DC VEHICLE OPEN END POWER SUPPLY (1SET/BOX) P/N ♦ Add 12V-48V WIRE TO WIRE BATTERY ELIMINATOR WITH POWER SUPPLY P/N ♦ Add WIRE TO WIRE DUMMY BATTERY PACK P/N ♦ Add QUICK RELEASE VEHICLE MOUNT KIT (1SET/BOX) P/N ♦ Add 1 INCH + 1.5 INCH MEDIA CORE ADAPTOR P/N	Camille
2023/12/13	Updated the suggested attach rate, page 3.	Peter Yao



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