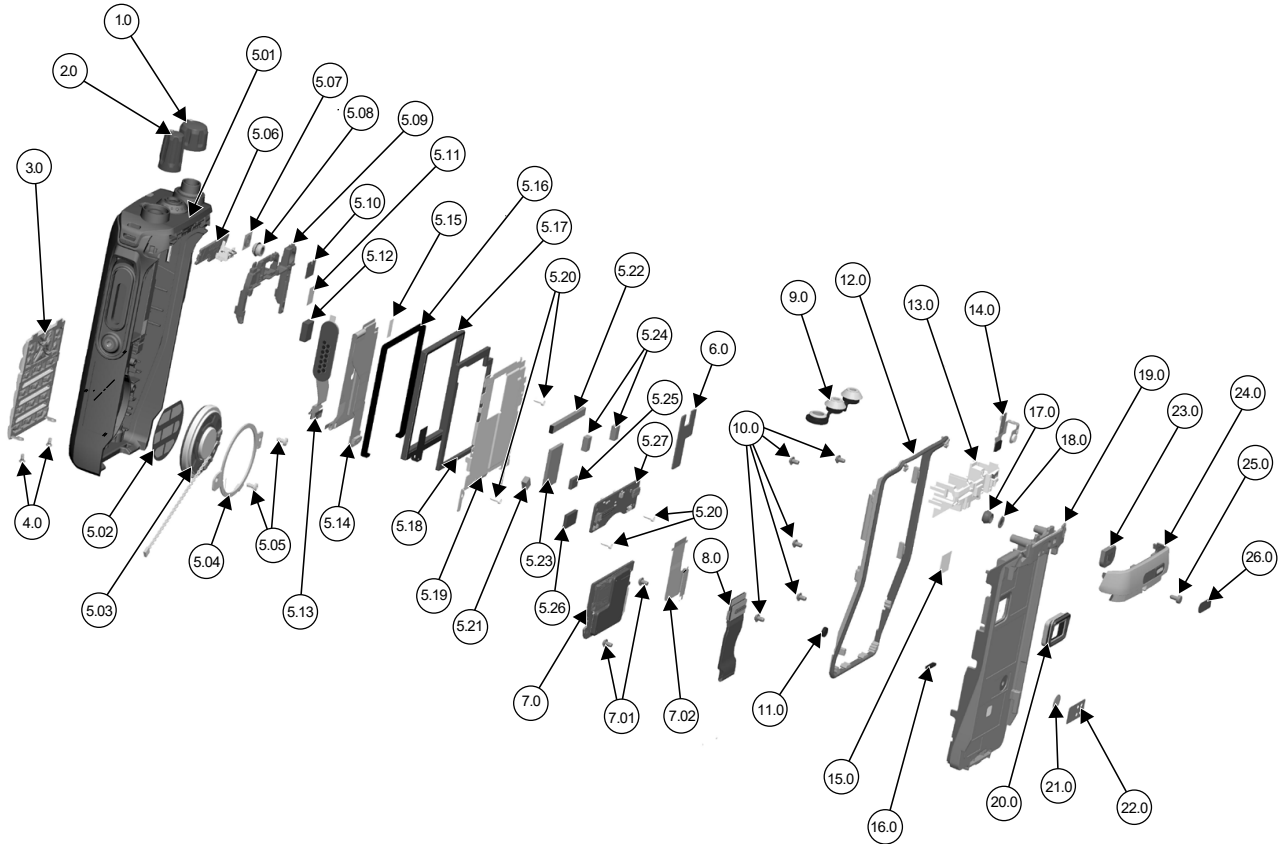


Radio Exploded Mechanical Views and Parts Lists

R7 FKP - Full Keypad Model



Item	Description	Part Number
1.0	Volume knob	HW002889A01
2.0	Frequency knob	HW002890A01
3.0	Keypad	See Additional Parts List Table on page 8
4.0	Countersunk Machined Screw M1.6	FN000509A01
5.0	Front Kit	See Additional Parts List Table on page 8
	5.01	Front Housing Assembly FKP 0104083J18
	5.02	Speaker Mesh HW003669A01
	5.03	Speaker Assembly, 36 mm, 8 Ω 0112908K01
	5.04	Speaker Retainer HW002770A01
	5.05	Thread Forming Screw FN000562A01

Item	Description	Part Number
5.06	Antenna, PCB Assembly, Tri-band Connectivity (GPS/BT/Wi-Fi/2.4-5 G)	AN000389A01
5.07	Front Microphone Membrane Seal	SL000710A01
5.08	Front Microphone Boot Seal	SL000606A01
5.09	Antenna Retainer	HW002762A01
5.10	Front Microphone Backer Retainer	HW002844A01
5.11	Kapton Tape	HW002863A01
5.12	Display Poron Pad	HW003151A01
5.13	PCBA, GCAI Mini Flex	PA003038A01
5.14	Display Module-LC	See Additional Parts List Table on page 8
5.15	Microphone Adhesive	HW003344A01
5.16	Side Display Pad	HW002772A01
5.17	PCBA (Ground Flex)	PA003292A01
5.18	Pad Back Display	HW002773A01
5.19	Display Retainer	BR000513A01
5.20	Keypad Retainer Screw	0378212A04
5.21	Conductive Pad GCAI	HW002800A01
5.22	Conductive Retainer Pad	HW002790A01
5.23	Conductive Display Pad Flex	HW002792A01
5.24	Conductive PTT Pad	HW002791A01
5.25	Conductive LCD Pad	HW002788A01
5.26	Support Poron Pad	HW002966A01
5.27	Interface (FKP) Block	0104083J15
6.0	Poron Pad, VCO Shield	HW003537A01
7.0	GOB1 Service Kit	PMLN8203_S
7.01	M2 Tapping Screw	03012034001
7.02	GOB Flex PCB	PF003027A01
8.0	Main Flex Accessory PCBA	PA002996A01
9.0	Top Control Seal	SL000610A01
10.0	M2 Tapping Screw	03012034001
11.0	Lithium Rechargeable Coin Cell Battery, 3.4 mAh	60009265001
12.0	O-Ring Main Seal	SL000609A01
13.0	Top Control Retainer	HW002765A01
14.0	Top Control PCBA Flex	PA002952A01
15.0	Thermal Pad	75012234001
16.0	Chassis Poron Pad	HW002848A01
17.0	Rear Microphone Boot Seal	SL000636A01
18.0	Rear Microphone Membrane Seal	SL000666A01

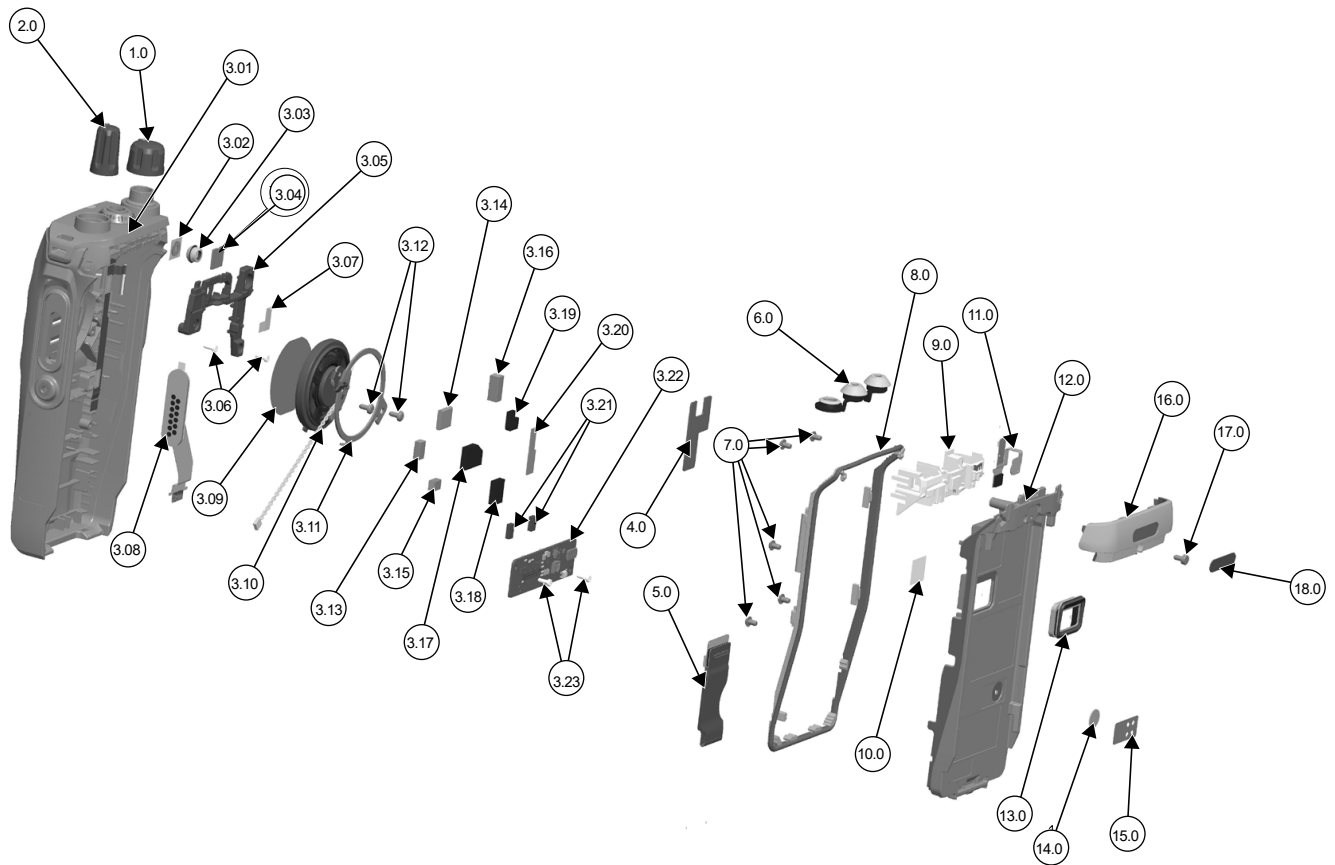
Item		Description	Part Number
19.0		Chassis	CH000292A01
20.0		Battery Contact Seal	SL000611A01
21.0		Gasket	3286058L01
22.0		Vent Seal Label	LB001662A01
23.0		Back Shroud Poron	HW002866A01
24.0		Shroud Retainer FKP and NKP	HW002766A01
25.0		Machined Shroud Screw	0386104Z11
26.0		Nameplate	LB001707A01

Only Applicable for Model PMUD3531ACC:

Item		Description	Part Number
7.0		PDT GOB Service Kit	PMLN8249_S
	7.01	M2 Tapping Screw	03012034001
	7.02	GOB Flex PCB	PF003027A01

Item	Description	Part Number	
	3.11	Speaker Retainer Assembly	0112980J66
	3.12	Thread Forming Screw	FN000562A01
	3.13	Microphone Adhesive	HW003344A01
	3.14	Conductive PTT Pad	HW002791A01
	3.15	Grounding Pad, Speaker	HW002897A01
	3.16	Conductive Pad GCAI	HW002800A01
	3.17	Conductive PTT Pad	HW003144A01
	3.18	Poron Pad, GCAI Flex	HW002881A01
	3.19	Poron Pad, PTT Flex	HW002880A01
	3.20	PTT Top Poron Pad	HW002879A01
	3.21	Stiffener PTT Flex	HW003254A01
	3.22	NKP Spring Pad	HW003290A01
	3.23	Interface (NKP) Block	0104083J21
	3.24	Keypad Retainer Screw	0378212A04
4.0		GOB1 Service Kit, PCBA	PMLN8203_S
	4.01	M2 Screw, Tapping	03012034001
	4.02	M2 Tapping Screw	PF003027A01
5.0		Poron Pad, VCO Shield	HW003537A01
6.0		Main Flex Accessory PCBA	PA002996A01
7.0		Top Control Seal	SL000610A01
8.0		M2 Tapping Screw	03012034001
9.0		Lithium Rechargeable Coin Cell Battery, 3.4 mAh	60009265001
10.0		O-Ring Main Seal	SL000609A01
11.0		Top Control Retainer	HW002765A01
12.0		Top Control PCBA Flex	PA002952A01
13.0		Thermal Pad	75012234001
14.0		Chassis Poron Pad	HW002848A01
15.0		Rear Microphone Membrane Seal	SL000666A01
16.0		Rear Microphone Boot Seal	SL000636A01
17.0		Chassis	CH000292A01
18.0		Battery Contact Seal	SL000611A01
19.0		Gasket	3286058L01
20.0		Vent Seal Label	LB001662A01
21.0		Back Shroud Poron	HW002866A01
22.0		Shroud Retainer FKP and NKP	HW002766A01
23.0		Machined Shroud Screw	0386104Z11
24.0		Nameplate	LB001707A01

R7A - Simple Non-Keypad Model



Item	Description	Part Number
1.0	Volume knob	HW002889A01
2.0	Frequency knob	HW002890A01
3.0	Front Kit	See Additional Parts List Table on page 8
	3.01 Front Housing Assembly NKP	0104083J19
	3.02 Front Microphone Membrane Seal	SL000710A01
	3.03 Front Microphone Boot Seal	SL000606A01
	3.04 Front Microphone Backer Retainer	HW002844A01
	3.05 Antenna Retainer	HW002878A01
	3.06 Keypad Retainer Screw	0378212A04
	3.07 Microphone Adhesive	HW003344A01
	3.08 PCBA, GCAI Mini Flex	PA003038A01

Item	Description	Part Number
3.09	Speaker Mesh	HW002888A01
3.10	Speaker Assembly, 36 mm, 8 Ω	0112908K01
3.11	Speaker Retainer Assembly	0112980J66
3.12	Thread Forming Screw	FN000562A01
3.13	Conductive PTT Pad	HW002791A01
3.14	Grounding Pad, Speaker	HW002897A01
3.15	Conductive Pad GCAI	HW002800A01
3.16	Conductive PTT Pad	HW003144A01
3.17	Poron Pad, GCAI Flex	HW002881A01
3.18	Poron Pad, PTT Flex	HW002880A01
3.19	PTT Top Poron Pad	HW002879A01
3.20	Stiffener PTT Flex	HW003254A01
3.21	NKP Spring Pad	HW003290A01
3.22	Interface (NKP) Block	0104083J21
3.23	Keypad Retainer Screw	0378212A04
4.0	Poron Pad, VCO Shield	HW003537A01
5.0	Main Flex Accessory PCBA	PA002996A01
6.0	Top Control Seal	SL000610A01
7.0	M2 Tapping Screw	03012034001
8.0	O-Ring Main Seal	SL000609A01
9.0	Top Control Retainer	HW002765A01
10.0	Top Control PCBA Flex	PA002952A02
11.0	Thermal Pad	75012234001
12.0	Chassis	CH000292A02
13.0	Battery Contact Seal	SL000611A01
14.0	Gasket	3286058L01
15.0	Vent Seal Label	LB001662A01
16.0	Shroud Retainer Basic NKP	HW002766A02
17.0	Machined Shroud Screw	0386104Z11
18.0	Nameplate	LB001783A01

Additional Parts List Table

Keypad:

Motorola Solutions Part Number	Description	Super Tanapa ²⁰
UHF		
KP000218A01	Keypad (Roman)	<ul style="list-style-type: none"> ● PMUE5722_AB ● PMUE5722_BB ● PMUE5724_AB
KP000218A02	Keypad (Cyrillic)	PMUE5724_AG
KP000218A03	Keypad (Arabic)	PMUE5724_AF
KP000218A05	Keypad (Simplified Chinese)	PMUE5724_AC
KP000218A06	Keypad (Traditional Chinese)	PMUE5724_AD
KP000218A07	Keypad (Korean)	PMUE5724_AE
VHF		
KP000218A01	Keypad (Roman)	<ul style="list-style-type: none"> ● PMUD3491_AB ● PMUD3491_BB ● PMUD3493_AB
KP000218A02	Keypad (Cyrillic)	PMUD3493_AG
KP000218A03	Keypad (Arabic)	PMUD3493_AF
KP000218A05	Keypad (Simplified Chinese)	PMUD3493_AC
KP000218A06	Keypad (Traditional Chinese)	PMUD3493_AD
KP000218A07	Keypad (Korean)	PMUD3493_AE
800/900		
KP000218A01	Keypad (Roman)	<ul style="list-style-type: none"> ● PMUF2000_AB ● PMUF2000_BB ● PMUF2002_AB
350 MHz Band		
KP000218A01	Keypad (Roman)	<ul style="list-style-type: none"> ● PMUD3531_AB ● PMUD3532_BB
KP000218A05	Keypad (Simplified Chinese)	PMUD3531_CC

²⁰ Super Tanapas are not customer orderable.

Motorola Solutions Part Number	Description	Super Tanapa ²⁰
UHF		
PMLN8238	Front Kit FKP UL	<ul style="list-style-type: none"> • PMUE5722_AB • PMUE5722_BB
PMLN8239	Front Kit FKP Non-UL	<ul style="list-style-type: none"> • PMUE5724_AB • PMUE5724_AC • PMUE5724_AD • PMUE5724_AE • PMUE5724_AF • PMUE5724_AG
PMLN8243	Front Kit NKP UL	<ul style="list-style-type: none"> • PMUE5723_AA • PMUE5723_BA
PMLN8326	Front Kit NKP Basic	<ul style="list-style-type: none"> • PMUE5741_AA • PMUE5741_ZA • PMUE5741_YA
VHF		
PMLN8359	Front Kit FKP UL ITO Film	<ul style="list-style-type: none"> • PMUD3491_AB • PMUD3491_BB
PMLN8366	Front Kit FKP Non-UL ITO Film	<ul style="list-style-type: none"> • PMUD3493_AB • PMUD3493_AC • PMUD3493_AD • PMUD3493_AE • PMUD3493_AF • PMUD3493_AG
PMLN8243	Front Kit NKP UL	<ul style="list-style-type: none"> • PMUD3492_AA • PMUD3492_BA
PMLN8326	Front Kit NKP Basic	<ul style="list-style-type: none"> • PMUD3494_AA • PMUD3494_ZA • PMUD3494_YA
800/900		
PMLN8238	Front Kit FKP UL	<ul style="list-style-type: none"> • PMUF2000_AB • PMUF2000_BB
PMLN8239	Front Kit FKP Non-UL	PMUF2002_AB

²⁰ Super Tanapas are not customer orderable.

Motorola Solutions Part Number	Description	Super Tanapa ²⁰
PMLN8243	Front Kit NKP UL	<ul style="list-style-type: none"> • PMUF2001_AA • PMUF2001_BA
PMLN8326	Front Kit NKP Basic	<ul style="list-style-type: none"> • PMUF2003_AA • PMUF2003_ZA
350 MHz Band		
PMLN8239	Front Kit FKP Non-UL	<ul style="list-style-type: none"> • PMUD3531_AB • PMUD3531_CC
PMLN8238	Front Kit FKP UL	PMUD3532_BB
PMLN8243	Front Kit NKP UL	PMUD3530_AA

Display Module:

Motorola Solutions Part Number	Description	Super Tanapa ²⁰
UHF		
DM000160A01	Display Module-LC,TFT-VA,240 Pixels, 320 Pixels (UL)	<ul style="list-style-type: none"> • PMUE5722_AB • PMUE5722_BB
DM000160A02	Display Module-LC,TFT-VA, 240 Pixels, 320 Pixels (Non-UL)	<ul style="list-style-type: none"> • PMUE5724_AB • PMUE5724_AC • PMUE5724_AD • PMUE5724_AE • PMUE5724_AF • PMUE5724_AG
VHF		
DM000160A03	Display Module-LC,TFT-VA, 240 Pixels, 320 Pixels (UL Display and ITO Film)	<ul style="list-style-type: none"> • PMUD3491_AB • PMUD3491_BB
DM000160A04	Display Module - LC, TFTVA, 240 Pixels, 320 Pixels (UL Display and ITO Film)	<ul style="list-style-type: none"> • PMUD3493_AB • PMUD3493_AC • PMUD3493_AD • PMUD3493_AE • PMUD3493_AF • PMUD3493_AG
800/900		
DM000160A01	Display Module-LC,TFTVA,240 Pixels, 320 Pixels (UL)	<ul style="list-style-type: none"> • PMUF2000_AB • PMUF2000_BB

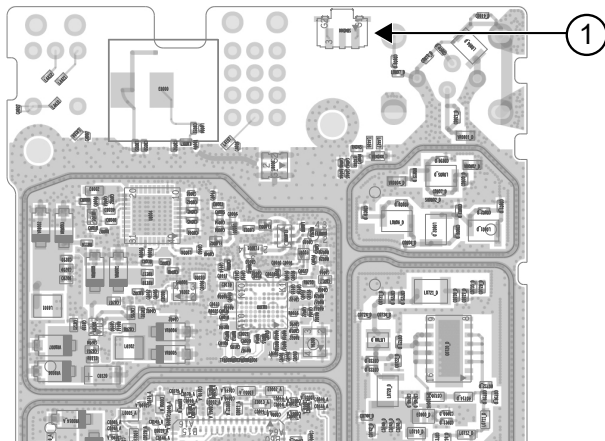
²⁰ Super Tanapas are not customer orderable.

Motorola Solutions Part Number	Description	Super Tanapa ²⁰
DM000160A02	Display Module-LC,TFTVA, 240 Pixels, 320 Pixels (Non-UL)	<ul style="list-style-type: none"> ● PMUD3531_CC ● PMUD3531_AB
DM000160A01	Display Module-LC,TFTVA,240 Pixels, 320 Pixels (UL)	PMUD3532_BB
350 MHz Band		
DM000160A02	Display Module-LC,TFTVA, 240 Pixels, 320 Pixels (Non-UL)	PMUF2002_AB

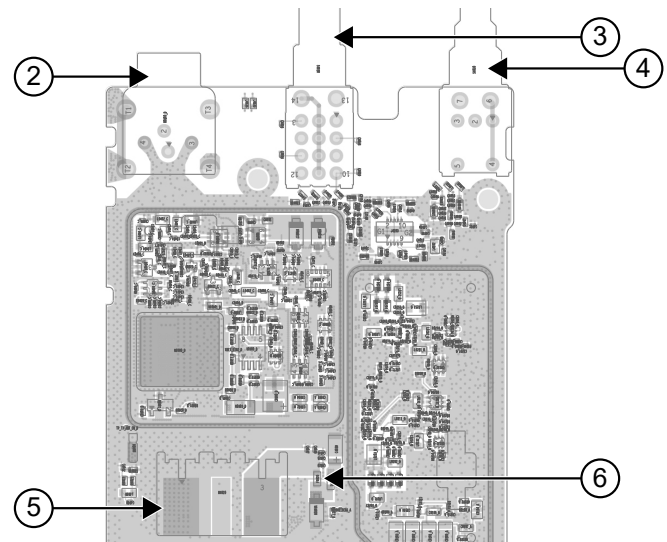
²⁰ Super Tanapas are not customer orderable.

Component and Parts List

PCB Top View



PCB Bottom View



Component Parts List

No.	Circuit Ref	Motorola Solutions Part Number	Description
1	SW4044	4071570M01	Right Angle Tact Switch, High Profile
2	M0800_D	CN001697A01	RF Connector, Antenna Connector
3	S4010	ST000480A01 - (R7 FKP)	Mechanical Switch Push Button, Switch Endless Frequency
		ST000481A01 - R7 NKP/R7A	Frequency Switch Stopper
4	S4030	1875103C06	Potentiometer, Rotary On/Off Switch
5	M4020	09012098003	Battery Contact Connector
6	F4020	6515076H01	Fuse Fast Blow 3 A 24 V