

PARTLIST.TXT

Landmark Audio Technologies, LLC  
159 Jay Street  
Albany, NY 12210-1805  
(518) 426-0171  
Fax: (518) 426-0172  
Toll Free: (888) 677-4387

Sales and Customer Support - info@landmarkfm.com

Richard Bamberger - rbamberger@landmarkfm.com  
Matt Mead - matt@landmarkfm.com  
Jonah Bamberger - jonah@landmarkfm.com

Technical Support - techsupport@landmarkfm.com  
Donald Person - dperson@landmarkfm.com

Parts list for Landmark FM720 personal FM Stereo Transmitter

ACTIVE devices:

Switching Power supply (PSU)

Lead Year ADP-0502-5V UL listed , FCC certified #3872B118

Semi conductors

U1 STC ST662A capacitive voltage multiplier  
U2 Rohm BH1415f Integrated stereo generator,  
with frequency reference, FM oscillator and buffer amplifier  
U4 Microchip PIC 16F87x 3 port microcontroller  
Q1 OnSemi 2N3906 PNP transistor  
Q2 " MPSA-14 NPN "  
D4 " composite M109/209 35pF nominal varactor  
D20, 30 STC BAT-54 Schottky low VF diodes  
D1 1N4148  
D9, 10 LED Activity , Power indicator  
All other diodes are 1N4004 or equivalent

MISC:

SW1, SW2 Mountain Switch Hexadecimal - TRUE value  
T1, 2 Mouser 10k:2k Audio isolation transformer  
Y1 7.60 mhz crystal FOX (22pf load) , VISHAY ( 27 pf load)  
F1 1/2 A fuse fast acting  
J4, 5 T-R-S 1/4" Neutrik phone jacks, female

Inductors:

L1 120 nHy nominal VCO coil  
L2, 3 400 nHy air wound 1/8" 4 turn filter element coils  
L11 100 uHy power supply filter choke

Capacitors:

C18 10pf 50 V ceramic NPO  
C22, 25 47pf " " "  
C23 68pf " " "  
C10, 12 150pf " " "  
C9, 13 3300pf " " "  
C20, 21 22pf(w fox Y1) 27pf (w VISHAY Y1)  
C2, 4 1000pf " " "  
C41 4700pf " " "

# PARTLIST.TXT

C24, 40	. 01uFd	"	"
C8, 19, 30	. 1uFd	"	"
C6, 7, 33	. 22uFd	"	"

C9, 51	4. 7ufd	35v	radial
C1, 5, 6, 16	10ufd	"	"
C15	22uFd	"	"
C3, 7, 19, 29	47uFd	"	"
C4	100ufd	"	"
C11, 21	1000uFd	35v	"

Resistors: ALL METAL FILM 1%

RN1	10k x8 thin film SIP array
R20	10 1/2W

all other resistors are 1/4W 1%

R11	150
R16, 32, 33	470
R31, 41, 51, 61	1K
R29, 31	4. 7K
R1, 7	5. 1K

R2, 8, 10, 30	10K
R12	33k
R4	47k
RTA	220 x2
RTB	51