

Galaxy DX Radios DX2517

Documentation Project

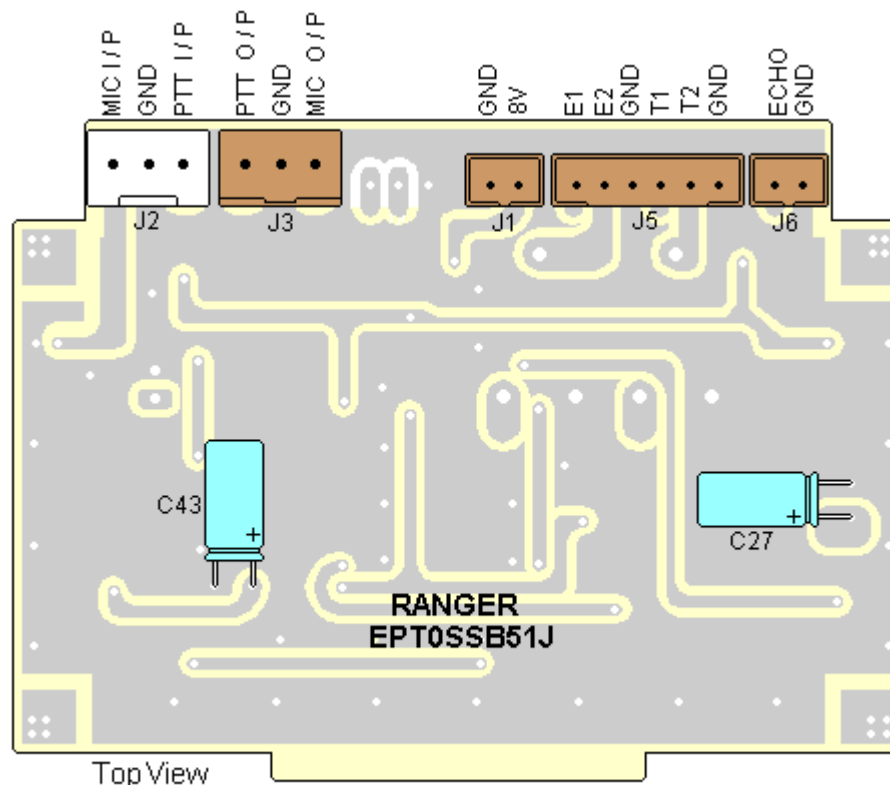
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ECHO PCB (EPT0SSB51J)

[Trace Layout](#)

[Schematic Diagram](#) 

[Schematic Diagram](#) 

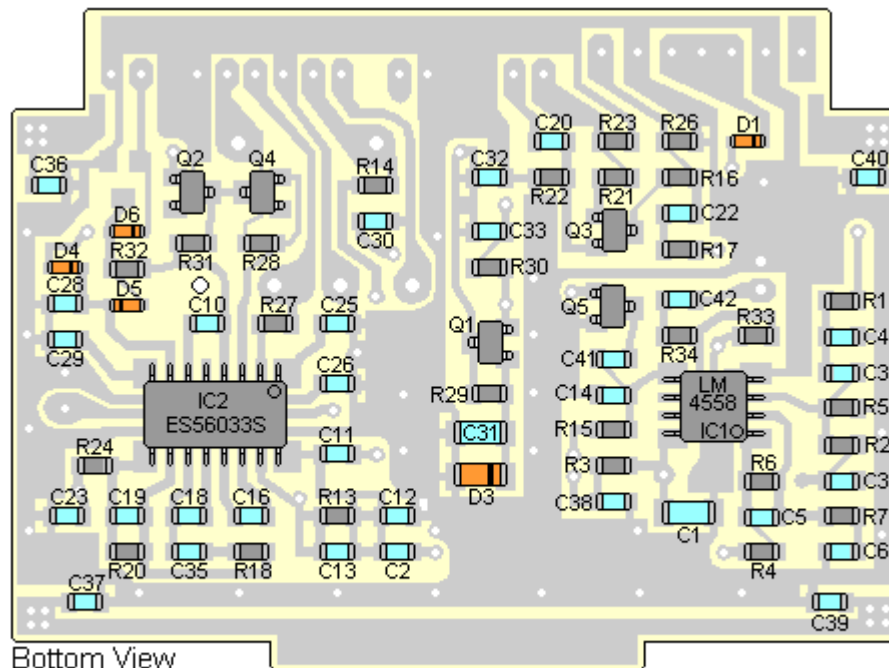


Top View

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Rev. 1.3

Galaxy DX Radios DX2517
ECHO PCB EPT0SSB51J



Bottom View

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Galaxy DX Radios DX2517 ECHO PCB EPT0SSB51J

Parts List

Resistors

Ref#	Description	MFR. Part No.
R1	CHIP/F/R (SMD) 22K OHM 0.1W	RCY012234Z
R2	CHIP/F/R (SMD) 22K OHM 0.1W	RCY012234Z
R3	CHIP/F/R (SMD) 100 OHM 0.1W	RCY011014Z
R4	CHIP/F/R (SMD) 47K OHM 0.1W	RCY014734Z
R5	CHIP/F/R (SMD) 22K OHM 0.1W	RCY012234Z
R6	CHIP/F/R (SMD) 33K OHM 0.1W	RCY013334Z
R7	CHIP/F/R (SMD) 2.2K OHM 0.1W	RCY012224Z
R13	CHIP/F/R (SMD) 33K OHM 0.1W	RCY013334Z
R14	CHIP/F/R (SMD) 27K OHM 0.1W 5%	RCY012734Z
R15	CHIP/F/R (SMD) 33K OHM 0.1W	RCY013334Z
R16	CHIP/F/R (SMD) 1.5K OHM 0.1W	RCY011524Z
R17	CHIP/F/R (SMD) 1K OHM 0.1W	RCY011024Z
R18	CHIP/F/R (SMD) 27K OHM 0.1W 5%	RCY012734Z
R20	CHIP/F/R (SMD) 47K OHM 0.1W	RCY014734Z
R21	CHIP/F/R (SMD) 100K OHM 0.1W	RCY011044Z
R22	CHIP/F/R (SMD) 10K OHM 0.1W	RCY011034Z
R23	CHIP/F/R (SMD) 10K OHM 0.1W	RCY011034Z
R24	CHIP/F/R (SMD) 10K OHM 0.1W	RCY011034Z
R26	CHIP/F/R (SMD) 2.2K OHM 0.1W	RCY012224Z
R27	CHIP/F/R (SMD) 1K OHM 0.1W	RCY011024Z
R28	CHIP/F/R (SMD) 22K OHM 0.1W	RCY012234Z
R29	CHIP/F/R (SMD) 4.7K OHM 0.1W	RCY014724Z
R30	CHIP/F/R (SMD) 4.7K OHM 0.1W	RCY014724Z
R31	CHIP/F/R (SMD) 100K OHM 0.1W	RCY011044Z
R32	CHIP/F/R (SMD) 10K OHM 0.1W	RCY011034Z
R33	CHIP/F/R (SMD) 47K OHM 0.1W	RCY014734Z
R34	CHIP/F/R (SMD) 47K OHM 0.1W	RCY014734Z

Capacitors

Ref#	Description	MFR. Part No.
C1	CHIP/C (SMD) 4.7UF 16WV? Z? Y5V	CK5475AA7R
C2	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C3	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C4	CHIP/C (SMD) 0.01UF 25WV Z Y5V	CK2103AB7R
C5	CHIP/C (SMD) 560PF 50WV K CH	CK1561AB5A
C6	CHIP/C (SMD) 1UF 16WV Z Y5V	CK5105AB7R
C10	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C11	CHIP/C (SMD) 0.01UF 25WV Z Y5V	CK2103AB7R
C12	CHIP/C (SMD) 0.001UF 50WV Z SL	CK1102AB7L
C13	CHIP/C (SMD) 560PF 50WV K CH	CK1561AB5A
C14	CHIP/C (SMD) 0.0022UF 50WV Y5V	CK1222AB7R
C16	CHIP/C (SMD) 0.047UF 50WV Z Y5V	CK1473AB7R
C18	CHIP/C (SMD) 0.047UF 50WV Z Y5V	CK1473AB7R
C19	CHIP/C (SMD) 0.01UF 25WV Z Y5V	CK2103AB7R
C20	CHIP/C (SMD) 1UF 16WV Z Y5V	CK5105AB7R
C22	CHIP/C (SMD) 2.2UF 16WV Z Y5V	CK5225AB7R
C23	CHIP/C (SMD) 0.01UF 25WV Z Y5V	CK2103AB7R
C25	CHIP/C (SMD) 1UF 16WV Z Y5V	CK5105AB7R
C26	CHIP/C (SMD) 470PF 50WV K CH	CK1471AB5A
C27	E/C 47UF 16WV Z	CE0164767Z
C28	CHIP/C (SMD) 0.15UF 50WV Z Y5V	CK1154AB7R
C29	CHIP/C (SMD) 0.15UF 50WV Z Y5V	CK1154AB7R
C30	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C31	CHIP/C (SMD) 4.7UF 16WV? Z? Y5V	CK5475AA7R
C32	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C33	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C34	CHIP/C (SMD) 0.01UF 25WV Z Y5V	CK2103AB7R
C35	CHIP/C (SMD) 0.022UF 50WV M Z5U	CK1223AB6U
C36	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C37	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C38	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C39	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C40	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C41	CHIP/C (SMD) 1UF 16WV Z Y5V	CK5105AB7R
C42	CHIP/C (SMD) 0.1UF 25WV Z Y5V	CK2104AB7R
C43	E/C 100UF 16WV Z	CE0161077Z

Integrated Circuits

Ref#	Description	MFR. Part No.
IC1	I.C. (SMD) NJM4558M 8PIN	YNJR04558M
IC2	I.C. (SMD) ES56033S 16PIN	YNES56033S

Transistors

Ref#	Description	MFR. Part No.
Q1	TRANSISTOR(SMD) 2SC2712GR-TE85L	TY2SC2712G
Q2	TRANSISTOR(SMD) RN1403-TE85L	TYZRN1403Z
Q3	TRANSISTOR(SMD) 2SC2712GR-TE85L	TY2SC2712G
Q4	F.E.T. (SMD) 2SK208	FY2SK0208Z
Q5	TRANSISTOR(SMD) RN1403-TE85L	TYZRN1403Z

Diodes

Ref#	Description	MFR. Part No.
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D1	DIODE (SMD) 1SS355	EDSS00355Y
D3	ZENER DIODE K5.6V (SMD)	EDZD05569Y
D4	DIODE (SMD) 1SS355	EDSS00355Y
D5	DIODE (SMD) 1SS355	EDSS00355Y
D6	DIODE (SMD) 1SS355	EDSS00355Y

Connectors

Ref#	Description	MFR. Part No.
J1	PCB CONNECTOR/S 2P PH=2MM	EX07N48223
J2	PCB CONNECTOR/S 3P T PH=2.5 (WHITE)	EX07N41227
J3	PCB CONNECTOR/S 3P T PH=2.5	EX07N41216
J5	PCB CONNECTOR/S 6P PH=2	EX07N48331
J6	PCB CONNECTOR/S 2P PH=2MM	EX07N48223
J1-MAIN(J7)	WIRE CONNECTOR/H G2P-2P L=100mm PH=2	EX07N48918
J3-MAIN(J12)	WIRE CONNECTOR/H 3P-3P L=240 PH=2.5	EX07N49308
J2-40Z(J401)	WIRE CONNECTOR/H 3P-3P L=240 PH=2.5	EX07N49308
J5-40Z(J409/J416)	WIRE CONNECTOR/H 6P-3P-2P L=260PH=2	EX07N49303
J6-40Z(J415)	WIRE CONNECTOR/H 2P-2P L=250mm PH=2	EX07N48917

Hardware

Ref#	Description	MFR. Part No.
	ECHO COVER	MT2100061X
	ECHO BOX H	MT2100070X
	BRACKET OF COUNTER BOX	MT2100081X
	SET SCREW M3x0.5Px6	JS053006MN
	FIBER BOARD	XZZZ90376Z
	SET SCREW M3x0.5x4	JS013004MY

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