

Parts list for the EV9180 Evaluation Board

Issue 1 (09/01/2026)

Reference Designators	Description	Quantity
C5, C6, C28, C30, C31, C39	Capacitor 10uF X5R 6.3v 0603 10%	6
C17	0402 Cer. Cap. 100nF±10% 16V X7R	1
C9, C15, C19, C22, C23, C24, C25, C26, C36, C38	0402 Cer. Cap. 1uF ± 10% 25V X5R	10
C1	0603 Cer. Cap. 1uF±10% 16V X7R	1
C4	Electrolytic Capacitor SMD 100 µF 25V 20%, 0.26ohm	1
C14, C35, C37	0402 Cer. Cap. 10nF ± 10% 25V X7R	3
C18	0402 Cer. Cap. 22nF ± 10% 50V X7R	1
U4	CMX918Q5 - DRM Tuner	1
JP2, JP3, JP4, JP5, JP7, JP8, JP9, JP11, JP13	Pin Header 0.1" 2 way single row	9
JP1	Pin Header 0.1" 3 way single row	1
J1, J2, J5, J7, J11	6GHz SMA-PCB MOUNT SKT	5
J8	Pin Header 0.1" 10 + 10 way double row right angle	1
J6	3 + 3 double row 0.1in header right angle	1
J15	6-way 0.1in pin header	1
J3	PCB terminal block - MKDS 1/ 2-3,5 HT BK	1
TL1, TL2, TL3, TL4	Keystone 5010 Test Point Loop Red, 1.6mm PCB Hole	4
D3	DIODE TVS SMD 12VSO: SMD	1
TR2	SSM6L39TU N- and P-channel MOSFET	1
FB1, FB2, FB3	Ferrite Bead 0603 470R ± 25% 1A - BLM18PG471SN1D	3
FOOT1, FOOT2, FOOT3, FOOT4	Feet 12.7 x 12.7 black stick on, 5.7mm high	4
U1, U5	ADM7170ACPZ-R7 LDO Adj, 1.2-5.8 Vout 500mA	2
D2	Green 0603 LED, KPT-1608CGCK	1
D1	Red 0603 LED, KPT-1608SURC	1
R16, R17, R18, R19, R20, R23, R24, R29, R32, R33, R35, R36, R42, R43, R44, R45, R46, R47, R66, R69, R70	Resistor 0402 0R 0.063W	21
R21	Resistor 0402 1.5k 1% 0.063W (18B)	1
R22	Resistor 0402 3.0k 1% 0.063W (47B = 3.01k)	1
R7	Resistor 0402 62k 1% 0.063W (77C = 61.9k)	1
R14, R25, R30	Resistor 0402 100k 1% 0.063W (O1D)	3
R2, R26	Resistor 0402 180k 1% 0.063W (26D = 182k)	2
R9	SMD Res. 0402 1k ohm ± 5% 62.5mW Thick Film	1
R10, R11, R12, R13	SMD Res. 0402 10k ohm ± 5% 62.5mW Thick Film	4
SW1	Low profile SMT tactile switch PTM	1
TR1	Coilcraft WB36-1SLD SMT RF Trnsfmr Wideband 0.25W	1
L1	Coilcraft 1uH ± 5% 0805 Inductor - 0805AF-102XJRC	1
XL1	38.4MHz GSX-223/X SM Crystal 6pF MP10435	1

Issue History

Issue	Change	Date
1	Released for product launch	09/01/2026