

# CXD5602MAIN1 BOM List

## Sony Semiconductor Solutions

Qty	Ref	Name	Model	Vender
2	C57,C58	Ceramic capacitor 1pF (50V CH 0603)		
7	C15,C2,C20,C4,C78,C79,C81	Ceramic capacitor 0.001uF (50V X7R 0603)		
12	C50,C51,C52,C61,C62,C63,C64,C69,C72,C73,C74,C76	Ceramic capacitor 1uF (6.3V X5R 0603)		
13	C12,C26,C32,C33,C34,C37,C41,C44,C55,C6,C60,C70,C71	Ceramic capacitor 10uF (6.3V X5R 1005)		
4	C45,C46,C47,C48	Ceramic capacitor 4700pF (50V X7R 1005)		
1	C53	Ceramic capacitor 0.47uF (4V X5R 0603)		
1	C80	Ceramic capacitor 3.3PF (50V C0G 0603)		
5	C16,C17,C19,C28,C29	Ceramic capacitor 33PF (50V C0G 0603)		
1	C88	Ceramic capacitor 47PF (50V C0G 0603)		
8	C35,C39,C40,C59,C65,C66,C67,C68	Ceramic capacitor 22uF (6.3V X5R 1005)		
28	C1,C10,C11,C13,C14,C18,C21,C22,C23,C24,C25,C27,C3,C30,C31,C36,C38,C49,C5,C54,C56,C7,C77,C8,C83,C84,C87,C9	Ceramic capacitor 0.1uF (16V X5R 0603)		
2	C42,C43	Ceramic capacitor 2.2uF (6.3V X5R 0603)		
4	R29,R32,R33,R36	Chip resistor 0Ω (1005)		
2	R13,R44	Chip resistor 22Ω (1/20W 0603 5%)		
1	R45	Chip resistor 47Ω (1/20W 0603 5%)		
1	R47	Chip resistor 1KΩ (1/20W 0603 5%)		
2	R22,R23	Chip resistor 2.2KΩ (1/20W 0603 5%)		
8	R10,R21,R25,R38,R39,R40,R41,R9	Chip resistor 4.7KΩ (1/20W 0603 5%)		
1	R1	Chip resistor 10KΩ (1/20W 0603 5%)		
1	R24	Chip resistor 15KΩ (1/20W 0603 5%)		
1	R26	Chip resistor 18KΩ (1/20W 0603 5%)		
1	R27	Chip resistor 47KΩ (1/20W 0603 5%)		
3	R20,R7,R8	Chip resistor 100KΩ (1/20W 0603 5%)		
3	R28,R3,R6	Chip resistor 220KΩ (1/20W 0603 5%)		
1	R14	Chip resistor 470KΩ (1/20W 0603 5%)		
1	RN4	4 circuit chip resistor array 1KΩ (1/32W 0603X4 5%)	EXB18N103JX (EXB18V103JX)	Panasonic
1	R19	Chip resistor 0.1Ω (1/4W 1608 1%)		
4	R15,R16,R17,R18	Chip resistor 470Ω (1/8W 2012 1%)		
1	R2	Chip resistor 3KΩ (1/20W 0603 1%)		
1	RN3	4 circuit chip resistor array 470KΩ (1/32W 0603X4 5%)	EXB18N474JX (EXB18V474JX)	Panasonic
1	RN2	4 circuit chip resistor array 47KΩ (1/32W 0603X4 5%)	EXB18N473JX (EXB18V473JX)	Panasonic
1	L14	Chip inductor 2.7nH (1006)	LQW15AN2N7C00	Murata
1	L15	Chip inductor 4.7nH (1006)	LQP03TN47NJ02	Murata
1	L11	Chip inductor 10nH (1006)	LQW15AN10NH00	Murata
5	L1,L10,L2,L3,L4	Chip ferrite bead (0603)	BLM03BC330SN1D	Murata
1	L13	Chip inductor 8.2nH (0603)	LQP03TN8N2J02	Murata
1	L9	Chip inductor 10nH (0603)	LQP03TN10NJ02	Murata
1	L8	Chip inductor 47nH (0603)	LQP03TN47NJ02	Murata
1	FB1	Chip ferrite bead (0603)	BLM03BD121SN	Murata
2	L5,L6	Chip inductor 2.2uH (2016)	DFE201610E-2R2M=P2	Murata
1	CN2	USB connector (MicroB)	UB-MC5BR3-SD204-4S-1	J.S.T.MFG

1	CN5	FFC/FPC connector Non-ZIF (20P)	20FHT-SMR-GAN-TF(HF)	J.S.T.MFG
2	JP1,JP2	Pin Socket (2.54mm pitch/13P)	HSCSW-S13G-H3.5	JC Electronics
1	ANT1	GPS chip antenna	CW3000	Pulse Electronics
6	R12,R34,R35,R37,R46,R48	Chip resistor 0 $\Omega$ (0603)		
1	SW2	Tactile switch	SKSGACE010	Alps Electric
1	SW1	Tactile switch	SKSVCCE010	Alps Electric
2	Z1,Z2	Chip varistor (1005)	EZJZ0V80010	Panasonic
1	Z3	Chip varistor (1005)	AVR-M1005C080MTACB	TDK
1	SAW1	SAW filter (GNSS)	SAFFB1G56KB0F5F	Murata
1	X3	Crystal oscillator 32.768KHz	SC-20S	Seiko Instruments
1	X1	Crystal oscillator 26MHz (TCXO)	DSB211SDN 26MHz	DAISHINKU
1	X2	Crystal oscillator 49.152MHz	FCX-07L 49.152MHz	River Eletec
1	CN4	Board-to-Board connector 100P	DF40C-100DP-0.4V(51)	Hirose Electric
4	D4,D5,D6,D7	LED green (1005)	SML-D12P8WT86SJ	Rohm
1	D2	LED blue (0603)	SMLP13BC8TT86	Rohm
1	D1	Schottky diode	CUS10S30	Toshiba Device
1	Q1	MOSFET N-ch	SSM3K15AMFV	Toshiba Device
4	Q2,Q3,Q4,Q5	Digital transistor (NPN)	DTC044EMT2L	Rohm
1	IC8	Load Switch IC	TCK112G	Toshiba Device
1	IC3	One gate bus buffer	TC7SZ126AFS	Toshiba Device
1	IC7	Low-noise amplifier (GNSS)	BGA524N6	Infineon Technologies
1	IC6	USB-UART Serial bridge	CP2102N-A01-GQFN24R	Silicon Labs
1	IC5	LDO voltage regulator (4V)	RP115L401D-E2	Ricoh Electronic Devices
1	IC2	Serial NOR flash memory (64Mbit)	MX25U6435FZNI-10G	Macronix
1	IC1	CPU	CXD5602GG	Sony Semiconductor
1	IC4	Power management/Audio IC	CXD5247GF	Sony Semiconductor