

Bill Of Materials (MP701)

	Item	Q'ty	Unit/P	Price	Reference	Part	Maker	Package	Remark
RESISTOR	2	4	0.020	0.080	R71, R72, R73, R74	22Ω		1608size	
	3	1	0.020	0.020	R37	47Ω		1608size	
	4	8	0.020	0.160	R5, R46, R49, R50, R63, R66,	75Ω		1608size	
				0.000	R69, R70				
	5	13	0.020	0.260	R38, R43, R44, R47, R48, R51, R52,	100Ω		1608size	
				0.000	R53, R54, R55, R56, R58, R60				
	6	2	0.020	0.040	R59, R64	510Ω		1608size	
	7	7	0.020	0.140	R8, R10, R25, R26, R82, R83, R86	1KΩ		1608size	
	8	1	0.020	0.020	R40	1.00KΩ(1%)		1608size	
		6	0.020	0.120	R75, R76, R77, R78, R79, R81	2.4KΩ		1608size	
	9	6	0.020	0.120	R3, R9, R11, R65, R67, R87	3.3KΩ		1608size	
	10	4	0.020	0.080	R6, R7, R12, R13	4.7KΩ		1608size	
	11	2	0.020	0.040	R80, R84	5.6KΩ		1608size	
	12	5	0.020	0.100	R18, R30, R31, R39, R45	10KΩ		1608size	
	13	4	0.020	0.080	R19, R20, R21, R22	20KΩ		1608size	
	14	7	0.020	0.140	R41, R42, R57, R61, R62, R68, R85	47KΩ		1608size	
	15	2	0.020	0.040	R23, R24	100KΩ		1608size	
	16	4	0.020	0.080	R14, R15, R16, R17	150KΩ		1608size	
	17	1	0.020	0.020	R36	1MΩ		1608size	
CAPACITOR	18	2	0.020	0.040	AR5, AR6	47Ω		3216size	
	20	2	0.020	0.040	AR3, AR4	1KΩ		3216size	
	19	2	0.020	0.040	AR1, AR2	4.7KΩ		3216size	
	22	6	0.020	0.120	C63, C81, C93, C95, C142, C165	22pF	삼화	1608size	
	23	4	0.020	0.080	C94, C193, C247, C248	33pF	삼화	1608size	
	24	2	0.020	0.040	C191, C206	47pF	삼화	1608size	
	25	31	0.020	0.620	C102, C103, C107, C108, C111,	220pF	삼화	1608size	
			0.000	C112, C114, C117, C118, C119,					
			0.000	C120, C124, C126, C129, C130,					
			0.000	C131, C135, C138, C139, C140,					

		8	0.020	0.160	C232,C235,C236,C237,C238,C239,C240,C241	2.2uF/50V	삼영	D55	
	35	3	0.020	0.060	C5,C207,C217	3.3uF/50V	삼영	D55	
	36	3	0.100	0.300	C99,C144,C234	10uF/16V	삼영	D55	
	37	28	0.100	2.800	C10,C18,C19,C20,C21,C31,C32	22uF/16V	삼영	E55	
					C33,C54,C79,C88,C96,C97,C100				
					C104,C121,C166,C168,C177,				
					C184,C192,C212,C213,C214,				
					C224,C225,C226,C233				
	38	2	0.100	0.200	C17,C41	47uF/16V	삼영	F55	
	39	2	0.100	0.200	C231,C254	100uF/25V	삼영	H63	
	40	1	0.200	0.200	C44	220uF/16V	삼영	H10	
	41	1	0.200	0.200	C122	330uF/16V	삼영	H10	
	42	2	0.300	0.600	C6,C91	680uF/35V	삼영	10x20 radial	
	43	6	0.030	0.180	D4,D5,D6,D7,D8,D9	BZX84C5V6	Vishay	SOT23-3L	5.6V, Zener Diode
	44	1	0.030	0.030	D2	LS4148	Vishay	Quadro MELF	
	45	2	0.100	0.200	D3,D1	B340	Vishay	SMC	3Amp Schottky Barrier Rectifier
DIODE									
	46	12	0.050	0.600	FB2,FB3,FB4,FB5,FB6,FB10,FB11,FB12,FB13,FB14,FB15,FB16	HH-1M2012-600	Ceratech	2012size	
FERRITE BEAD									
FUSE	47	1		0.000	F1	5A-Poly SW		4532size	
	48	1	0.050	0.050	L2	FI-C2012-103	Ceratech	2012size	10uH
INDUCTOR	49	1	1.000	1.000	L1	47uH,3A		SMD type	
	50	1	1.000	1.000	L3	33uH,3A		SMD type	
	51	3	0.500	1.500	Q6,Q9,Q10	SI9933ADY	Vishay	SO8	
TR & FET	52	5	0.031	0.155	Q3,Q4,Q7,Q8,Q11	MMBT3904	Fairchild	SOT23-3L	
	53	2	0.460	0.920	U21,U26	24LC21	Microchips	SO8	
	54	1		0.000	U12	TW99	Techwell	PQFP100	
	55	1	22.000	22.000	U20	gm5020-BE	Genesis	PBGA292	
	56	3		0.000	U23,U24,U25	EM636165TS-7	Etrontech	TSOP50	143Mhz
	57	1	7.300	7.300	U27	DS90C387	NS	TQFP100	
	58	1		0.000	U2	M62333FP	Mitsubishi	SO8	
	59	1	6.000	6.000	U13	T89C51RD2	Temic	PLCC44	
	60	1		0.000	U14	74ABT573AD	Philips	SO20	

			0.000	C149,C151,C152,C154,C156,			
			0.000	C159,C162,C169,C174,C175,			
			0.000	C186			
27	1	0.020	0.020	C45	1nF	삼화	1608size K급 : ± 10%
	2	0.020	0.040	C242,C252	2.7nF	삼화	1608size
	1			C13	0.01uF	삼화	1608size
30	6	0.020		C179,C180,C181,C182,	0.01uF	삼화	1608size K급 : ± 10%
				C189,C190			
	7			C46,C48,C49,C52,C211,	0.1uF	삼화	1608size K급 : ± 10%
				C218,C219			
31	104	0.020	2.080	C2,C3,C4,C7,C8,C9,C11,	10.1uF	삼화	1608size Z급 : -20 ~+80%
				C12,C15,C16,C22,C43,			
				C47,C50,C51,			
				C52,C53,C64,C65,C66,			
				C67,C80,C82,C83,C84,			
				C85,C86,C87,C92,C98,C101,			
				C105,C106,C109,C110,C113,			
				C115,C116,C123,C125,C127,			
				C128,C132,C133,C134,C136,			
				C137,C141,C143,C145,C146,			
				C147,C148,C150,C153,C155,			
				C157,C158,C160,C161,C163,			
				C164,C167,C170,C171,C172,			
				C173,C176,C178,C183,C185,			
				C187,C188,C194,C195,C196,			
				C197,C198,C199,C200,C201,			
				C202,C203,C204,C205,			
				C208,C209,C210,C215,			
				C216,C220,			
				C221,C222,C223,C227,C228,			
				C229,C230,C243,C244,C245			
				C246,C249,C250,C251			
32	1	0.020	0.020	C30	0.33uF	삼화	D55
33	1	0.020	0.020	C14	0.47uF	삼화	D55
34	4	0.020	0.080	C26,C27,C28,C29	1uF/50V	삼영	D55

IC	61	1		0.000	U19	M29F010B	STM	PLCC32	
	62	1	0.500		U10	24LC16B	Microchips	S08	
	63	1	1.000		U9	TPS3825-50	TI	SOT23-5L	
	64	1			U8	PCF8574T	Philips	S016	
	65	1	0.730		U1	SC1117CST-5.0	Semtech	SOT223	
	66	1	0.100		U18	74HC74	Philips	S014	
	67	1	0.100		U17	74HC14	Philips	S014	
	68	1	1.800		U4	LM2596-5	NS	TO263	
	69	1	1.800		U15	LM2596-3.3	NS	TO263	
	70	1	1.410		U16	EZ1086CM-2.5	Semtech	TO263	
	71	1	0.775		U5	EZ1117CST-2.5	Semtech	SOT223	
	72	2	0.775		U6,U7	EZ1117CST-3.3	Semtech	SOT223	
	73	1	0.900		U29	PT2313L	PTC	SO28	
	74	1	1.540		U3	LM4873MT	NS	TSSOP20	
	75	1			U22	KA7809/D-PAK	Fairchild	D-PAK	
CRYSTAL	76	1		0.000	X3	27MHZ		SMD	LC=22pF
	77	1	0.100		X4	24MHZ		SMD	LC=22pF
	78	1	0.100		X1	20MHZ		SMD	LC=22pF
	80	1	0.237		CN11	DB15HD	E.CHANG		
CONNECTOR	81	1	1.541		CN10	DVI-D	Molex		
	82	1	0.081		CN12	RCA	E.CHANG		
	83	1	0.245		CN14	MINI-DIN4	E.CHANG		
	84	1		0.000	CN16	12507WR-30	연호 전자		Hirose DF-14
	85	1	0.120		CN13	HEADER 20X2	E.CHANG		2.0mm
	86	1	0.101		CN15	HEADER 17X2	E.CHANG		2.0mm
	87	2	0.030		CN5,CN17	53015-2	Molex		2.0mm
	88	2	0.038		CN7,CN3	53015-4	Molex		2.0mm
JUMBER	89	1	0.046		CN4	53015-6	Molex		2.0mm
	90	1	0.083		CN1, CN2	53015-12	Molex		
	91	1	0.131		CN9	POWER JACK	E.CHANG		
	92	2	0.173		CN6, CN8	STEREO SW	E.CHANG	PHONE JACK	
		1	0.200			PLCC 44	E.CHANG	SMD	
	93	8	0.020		JP3, JP19,JP20,JP21,JP22,JP23	3pin jumper,0 Ω		1608size	
				0.000	JP24,25				
		14	0.020		JP4,JP5,JP6,JP7,JP8,JP10,	3pin jumper,10K Ω		1608size	

			0.0000	JP11, JP12, JP13, JP14, JP15,		
			0.0000	JP16, JP17, JP18		

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