

	103EN04.02-4ES	FLEX 4ES	
NO	VALUE	Reference	Qty
1	103EN04.02.01-NP	PCB	1
2	218-8LPST(SMD)	CHIP;DIP1,DIP2	2
3	FX6-20S-0.8SV2(71)	CHIP;CN1	1
4	DF9-9S-1V(32)	CHIP;CN4	1
5	IC PIC18LF8520-I / PT (SMD)	80-LEAD TQFP;U1	1
6	IC XC9111C331MRN(SMD)	SOT-25;U2	1
7	2SB1427T100E(SMD)	MPT3;Q4	1
8	DTC114EKAT146(SMD)	SMT3;Q6	1
9	DTC115TKAT146(SMD)	SMT3;Q1	1
10	IMD10AT108(SMD)	SMT6;Q2,Q3,Q5,Q7	4
11	1N4148WS(SMD)	SOD-323;D3~5,D17~32	19
12	RB160L-40TE-25(SMD)	SOD-106;D1,D34	2
13	R 0603 100R ±5%	R0603;R5,R8,R9,R31,R100	5
14	R 0603 1K ±5%	R0603;R18,R20	2
15	R 0603 10K ±5%	R0603;R2,R4,R19,R21,R28, R42,R103,R104,R107,R108	10
16	R 0603 1M ±5%	R0603;R22,R99	2
17	R 0603 47K ±5%	R0603;R3,R13~17,R23~27, R39,R49	13
18	CC 0603 X7R 102 50V YAGEO	C0603;C3,C6,C15,C23	4
19	CC 0603 X7R 104 50V YAGEO	C0603;C1,C4,C8,C12,C18, C19,C20,C22,C25	9
20	TMCMC1A107MTRF(SMD)	C CASE;C14	1
21	TMCMA1C475MTRF(SMD)	A CASE;C7,C9	2
22	TMCMC1C476MTRF(SMD)	C CASE;C2,C5	2
23	LQH32MN101K23L(SMD)	CHIP;L2	1
24	VT6T11T2R(SMD)	VMT6;Q9	1
25	VT6X11T2R(SMD)	VMT6;Q10	1
26	2SD1781KT146R(SMD)	SMT3;Q11	1
27	R 0603 470R ±5%	R0603;R106	1
28	R 0603 62K ±5%	R0603;R101	1
29	R 0603 0R ±5%	R0603;R30,R102	2
30	R 0603 3K3 ±5%	R0603;R1,R6,R7,R29	4
31	R 0603 15K ±5%	R0603;R50~57,R74~81	16
32	4.0 CSTLS4M00G53-B0	DIP;Y1	1
33	DG23-C3LA	DIP;S1,S2	2
34	DR4X7-221M+UL-NP (DIP)	DIP;L1	1
35	M2X0.4-B		4
36	SCREW M2-10L		4
37	NUT M2-s4-t1.6 -NP		4
38	EMS CONTACT	;STOP	2
39	CONTACT SPRINGψ0.6(1.7~2Kgf)		1
40	CONTACT PLATE-M		1
41	CONTACT PLATE-P		1
42	PB SPRINGψ0.4N11.5(750~800gf)		4
43	PB STEP SPRING ψ0.3N11(225~275gf)		4
44	STALL BALLφ2.5		8
45	MX1A-11NW		8
46	PB PASE		4
47	PB COVER		4
48	PB CAP-1S		4
49	PB CENTER		4

	103EN04.02-4EX	FLEX 4EX	
NO	VALUE	Reference	Qty
1	103EN04.02.01-NP	PCB	1
2	218-8LPST(SMD)	CHIP;DIP1,DIP2	2
3	FX6-20S-0.8SV2(71)	CHIP;CN1	1
4	DF9-9S-1V(32)	CHIP;CN4	1
5	IC PIC18LF8520-I / PT (SMD)	80-LEAD TQFP;U1	1
6	IC XC9111C331MRN(SMD)	SOT-25;U2	1
7	2SB1427T100E(SMD)	MPT3;Q4	1
8	DTC114EKAT146(SMD)	SMT3;Q6	1
9	DTC115TKAT146(SMD)	SMT3;Q1	1
10	IMD10AT108(SMD)	SMT6;Q2,Q3,Q5,Q7	4
11	1N4148WS(SMD)	SOD-323;D3~5,D17~32	19
12	RB160L-40TE-25(SMD)	SOD-106;D1,D34	2
13	R 0603 100R ±5%	R0603;R5,R8,R9,R31,R100	5
14	R 0603 1K ±5%	R0603;R18,R20	2
15	R 0603 10K ±5%	R0603;R2,R4,R19,R21,R28,R42,R103,R104,R107,R10	10
16	R 0603 1M ±5%	R0603;R22,R99	2
17	R 0603 47K ±5%	R0603;R3,R13~17,R23~27,R39,R49	13
18	CC 0603 X7R 102 50V YAGEO	C0603;C3,C6,C15,C23	4
19	CC 0603 X7R 104 50V YAGEO	C0603;C1,C4,C8,C12,C18,C19,C20,C22,C25	9
20	CC TMCMC1A107MTRF(SMD)	C CASE;C14	1
21	CC TMCMA1C475MTRF(SMD)	A CASE;C7,C9	2
22	CC TMCMC1C476MTRF(SMD)	C CASE;C2,C5	2
23	LQH32MN101K23L(SMD)	CHIP;L2	1
24	VT6T11T2R(SMD)	VMT6;Q9	1
25	VT6X11T2R(SMD)	VMT6;Q10	1
26	2SD1781KT146R(SMD)	SMT3;Q11	1
27	R 0603 470R ±5%	R0603;R106	1
28	R 0603 62K ±5%	R0603;R101	1
29	R 0603 0R ±5%	R0603;R30,R102	2
30	R 0603 3K3 ±5%	R0603;R1,R6,R7,R29	4
31	R 0603 15K ±5%	R0603;R50~57,R74~81	16
32	4.0 CSTLS4M00G53-B0	DIP;Y1	1
33	DG23-C3LA	DIP;S1,S2	2
34	DR4X7-221M+UL-NP (DIP)	DIP;L1	1
35	M2X0.4-B		4
36	SCREW M2-10L		4
37	NUT M2-s4-t1.6 -NP		4
38	EMS CONTACT	;STOP	2
39	CONTACT SPRINGψ0.6(1.7~2Kgf)		1
40	CONTACT PLATE-M		1
41	CONTACT PLATE-P		1
42	PB SPRINGψ0.4N11.5(750~800gf)		4
43	PB STEP SPRING ψ 0.3N11(225~275gf)		4
44	STALL BALLφ2.5		8
45	MX1A-11NW		8
46	PB PASE		4
47	PB COVER		4
48	PB CAP-2S		4
49	PB CENTER		4

	403EN08.02-8ES	FLEX 8ES	
NO	VALUE	Reference	Qty
1	403EN08.02.01-NP	PCB	1
2	218-8LPST(SMD)	CHIP;DIP1,DIP2	2
3	FX6-20S-0.8SV2(71)	CHIP;CN1	1
4	DF9-9S-1V(32)	CHIP;CN4	1
5	IC PIC18LF8520-I / PT (SMD)	80-LEAD TQFP;U1	1
6	IC XC9111C331MRN(SMD)	SOT-25;U2	1
7	2SB1427T100E(SMD)	MPT3;Q4	1
8	DTC114EKAT146(SMD)	SMT3;Q6	1
9	DTC115TKAT146(SMD)	SMT3;Q1	1
10	IMD10AT108(SMD)	SMT6;Q2,Q3,Q5,Q7	4
11	1N4148WS(SMD)	SOD-323;D3~5,D7,D8,D17~32	21
12	RB160L-40TE-25(SMD)	SOD-106;D1,D34	2
13	R 0603 100R ±5%	R0603;R5,R8,R9,R31,R100	5
14	R 0603 1K ±5%	R0603;R18,R20	2
15	R 0603 10K ±5%	R0603;R2,R4,R19,R21,R28,R42,R103,R104,R107,R108	10
16	R 0603 1M ±5%	R0603;R22,R99	2
17	R 0603 47K ±5%	R0603;R3,R13~17,R23~27,R38,R98	13
18	CC 0603 X7R 102 50V YAGEO	C0603;C3,C6,C15,C23	4
19	CC 0603 X7R 104 50V YAGEO	C0603;C1,C4,C8,C12,C18,C19,C20,C22,C25	9
20	TMCMC1A107MTRF(SMD)	C CASE;C14	1
21	TMCMA1C475MTRF(SMD)	A CASE;C7,C9	2
22	TMCMC1C476MTRF(SMD)	C CASE;C2,C5	2
23	LQH32MN101K23L(SMD)	CHIP;L2	1
24	VT6T11T2R(SMD)	VMT6;Q9	1
25	VT6X11T2R(SMD)	VMT6;Q10	1
26	2SD1781KT146R(SMD)	SMT3;Q11	1
27	R 0603 470R ±5%	R0603;R106	1
28	R 0603 62K ±5%	R0603;R101	1
29	R 0603 0R ±5%	R0603;R30,R32,R33,R102	4
30	R 0603 3K3 ±5%	R0603;R1,R6,R7,R29	4
31	R 0603 15K ±5%	R0603;R50~65,R74~89	32
32	4.0 CSTLS4M00G53-B0	DIP;Y1	1
33	DG23-C3LA	DIP;S1,S2	2
34	DR4X7-221M+UL-NP (DIP)	DIP;L1	1
35	STAND OFF M2X0.4-B		4
36	SCREW M2-10L		4
37	NUT M2-s4-t1.6 -NP		4
38	EMS CONTACT	;STOP	2
39	CONTACT SPRINGψ0.6(1.7~2Kgf)	Batt. Contact springψ0.6(1.7~2Kgf)	1
40	CONTACT PLATE-M	Batt. Contact negative plate	1
41	CONTACT PLATE-P	Batt. Contact positive plate V2	1
42	PB SPRINGψ0.4N11.5(750~800gf)	key pad springψ0.4N11.5(750~800gf)	8
43	PB STEP SPRING ψ 0.3N11(225~275gf)	key section springψ0.3N11(225~275gf)	8
44	STALL BALLφ2.5	steel ballφ2.5	16
45	MX1A-11NW		16
46	PB PASE	key stand-C	8
47	PB COVER	key cover-B	8
48	PB CAP-1S	key cap-B	8
49	PB CENTER	key axis-A1	8

403EN08.02-8EX		FLEX 8EX	
NO	VALUE	Reference	Qty
1	403EN08.02.01-NP	PCB	1
2	218-8LPST(SMD)	CHIP;DIP1,DIP2	2
3	FX6-20S-0.8SV2(71)	CHIP;CN1	1
4	DF9-9S-1V(32)	CHIP;CN4	1
5	IC PIC18LF8520-I / PT (SMD)	80-LEAD TQFP;U1	1
6	IC XC9111C331MRN(SMD)	SOT-25;U2	1
7	2SB1427T100E(SMD)	MPT3;Q4	1
8	DTC114EKAT146(SMD)	SMT3;Q6	1
9	DTC115TKAT146(SMD)	SMT3;Q1	1
10	IMD10AT108(SMD)	SMT6;Q2,Q3,Q5,Q7	4
11	1N4148WS(SMD)	SOD-323;D3~5,D7,D8,D17~32	21
12	RB160L-40TE-25(SMD)	SOD-106;D1,D34	2
13	R 0603 100R ±5%	R0603;R5,R8,R9,R31,R100	5
14	R 0603 1K ±5%	R0603;R18,R20	2
15	R 0603 10K ±5%	R0603;R2,R4,R19,R21,R28,R42,R103,R104,R107,R108	10
16	R 0603 1M ±5%	R0603;R22,R99	2
17	R 0603 47K ±5%	R0603;R3,R13~17,R23~27,R38,R98	13
18	CC 0603 X7R 102 50V YAGEO	C0603;C3,C6,C15,C23	4
19	CC 0603 X7R 104 50V YAGEO	C0603;C1,C4,C8,C12,C18,C19,C20,C22,C25	9
20	TMCMC1A107MTRF(SMD)	C CASE;C14	1
21	TMCMC1C475MTRF(SMD)	A CASE;C7,C9	2
22	TMCMC1C476MTRF(SMD)	C CASE;C2,C5	2
23	LQH32MN101K23L(SMD)	CHIP;L2	1
24	VT6T11T2R(SMD)	VMT6;Q9	1
25	VT6X11T2R(SMD)	VMT6;Q10	1
26	2SD1781KT146R(SMD)	SMT3;Q11	1
27	R 0603 470R ±5%	R0603;R106	1
28	R 0603 62K ±5%	R0603;R101	1
29	R 0603 0R ±5%	R0603;R30,R32,R33,R102	4
30	R 0603 3K3 ±5%	R0603;R1,R6,R7,R29	4
31	R 0603 15K ±5%	R0603;R50~65,R74~89	32
32	4.0 CSTLS4M00G53-B0	DIP;Y1	1
33	DG23-C3LA	DIP;S1,S2	2
34	DR4X7-221M+UL-NP (DIP)	DIP;L1	1
35	M2X0.4-B		4
36	SCREW M2-10L		4
37	NUT M2-s4-t1.6 -NP		4
38	EMS CONTACT	;STOP	2
39	CONTACT SPRINGψ0.6(1.7~2Kgf)		1
40	CONTACT PLATE-M		1
41	CONTACT PLATE-P		1
42	PB SPRINGψ0.4N11.5(750~800gf)		8
43	PB STEP SPRING ψ		8
44	STALL BALLφ2.5		16
45	MX1A-11NW		16
46	PB PASE		8
47	PB COVER		8
48	PB CAP-1S		8
49	PB CENTER		8

	403EN12.02-12ES	FLEX 12ES	
NO	VALUE	Reference	Qty
1	403EN12.02.01-NP	PCB	1
2	218-8LPST(SMD)	CHIP;DIP1,DIP2	2
3	FX6-20S-0.8SV2(71)	CHIP;CN1	1
4	DF9-9S-1V(32)	CHIP;CN4	1
5	IC PIC18LF8520-I / PT (SMD)	80-LEAD TQFP;U1	1
6	IC XC9111C331MRN(SMD)	SOT-25;U2	1
7	2SB1427T100E(SMD)	MPT3;Q4	1
8	DTC114EKAT146(SMD)	SMT3;Q6	1
9	DTC115TKAT146(SMD)	SMT3;Q1	1
10	IMD10AT108(SMD)	SMT6;Q2,Q3,Q5,Q7	4
11	1N4148WS(SMD)	SOD-323;D3~5,D15~32	21
12	RB160L-40TE-25(SMD)	SOD-106;D1,D34	2
13	R 0603 100R ±5%	R0603;R5,R8,R9,R31,R100	5
14	R 0603 1K ±5%	R0603;R18,R20	2
15	R 0603 10K ±5%	R0603;R2,R4,R19,R21,R28,R42,R103,R104,R107,R10	10
16	R 0603 1M ±5%	R0603;R22,R99	2
17	R 0603 47K ±5%	R0603;R3,R13~17,R23~27,R39,R98	13
18	CC 0603 X7R 102 50V YAGEO	C0603;C3,C6,C15,C23	4
19	CC 0603 X7R 104 50V YAGEO	C0603;C1,C4,C8,C12,C18,C19,C20,C22,C25	9
20	TMCMC1A107MTRF(SMD)	C CASE;C14	1
21	TMCMA1C475MTRF(SMD)	A CASE;C7,C9	2
22	TMCMC1C476MTRF(SMD)	C CASE;C2,C5	2
23	LQH32MN101K23L(SMD)	CHIP;L2	1
24	VT6T11T2R(SMD)	VMT6;Q9	1
25	VT6X11T2R(SMD)	VMT6;Q10	1
26	2SD1781KT146R(SMD)	SMT3;Q11	1
27	R 0603 470R ±5%	R0603;R106	1
28	R 0603 62K ±5%	R0603;R101	1
29	R 0603 0R ±5%	R0603;R30,R34~37,R102	6
30	R 0603 3K3 ±5%	R0603;R1,R6,R7,R29	4
31	R 0603 15K ±5%	R0603;R50~97	48
32	4.0 CSTLS4M00G53-B0	DIP;Y1	1
33	DG23-C3LA	DIP;S1,S2	2
34	DR4X7-221M+UL-NP (DIP)	DIP;L1	1
35	M2X0.4-B		4
36	SCREW M2-10L		4
37	NUT M2-s4-t1.6 -NP		4
38	EMS CONTACT	;STOP	2
39	CONTACT SPRINGψ0.6(1.7~2Kgf)		1
40	CONTACT PLATE-M		1
41	CONTACT PLATE-P		1
42	PB SPRINGψ0.4N11.5(750~800gf)		12
43	PB STEP SPRING ψ0.3N11(225~275gf)		12
44	STALL BALLφ2.5		24
45	MX1A-11NW		24
46	PB PASE		12
47	PB COVER		12
48	PB CAP-1S		12
49	PB CENTER		12

	403EN12.02-12EX	FLEX 12EX	
NO	VALUE	Reference	Qty
1	403EN12.02.01-NP	PCB	1
2	218-8LPST(SMD)	CHIP;DIP1,DIP2	2
3	FX6-20S-0.8SV2(71)	CHIP;CN1	1
4	DF9-9S-1V(32)	CHIP;CN4	1
5	IC PIC18LF8520-I / PT (SMD)	80-LEAD TQFP;U1	1
6	IC XC9111C331MRN(SMD)	SOT-25;U2	1
7	2SB1427T100E(SMD)	MPT3;Q4	1
8	DTC114EKAT146(SMD)	SMT3;Q6	1
9	DTC115TKAT146(SMD)	SMT3;Q1	1
10	IMD10AT108(SMD)	SMT6;Q2,Q3,Q5,Q7	4
11	1N4148WS(SMD)	SOD-323;D3~5,D15~32	21
12	RB160L-40TE-25(SMD)	SOD-106;D1,D34	2
13	R 0603 100R ±5%	R0603;R5,R8,R9,R31,R100	5
14	R 0603 1K ±5%	R0603;R18,R20	2
15	R 0603 10K ±5%	R0603;R2,R4,R19,R21,R28,R42,R103,R104,R107,R10	10
16	R 0603 1M ±5%	R0603;R22,R99	2
17	R 0603 47K ±5%	R0603;R3,R13~17,R23~27,R39,R98	13
18	CC 0603 X7R 102 50V YAGEO	C0603;C3,C6,C15,C23	4
19	CC 0603 X7R 104 50V YAGEO	C0603;C1,C4,C8,C12,C18,C19,C20,C22,C25	9
20	TMCMC1A107MTRF(SMD)	C CASE;C14	1
21	TMCMC1C475MTRF(SMD)	A CASE;C7,C9	2
22	TMCMC1C476MTRF(SMD)	C CASE;C2,C5	2
23	LQH32MN101K23L(SMD)	CHIP;L2	1
24	VT6T11T2R(SMD)	VMT6;Q9	1
25	VT6X11T2R(SMD)	VMT6;Q10	1
26	2SD1781KT146R(SMD)	SMT3;Q11	1
27	R 0603 470R ±5%	R0603;R106	1
28	R 0603 62K ±5%	R0603;R101	1
29	R 0603 0R ±5%	R0603;R30,R34~37,R102	6
30	R 0603 3K3 ±5%	R0603;R1,R6,R7,R29	4
31	R 0603 15K ±5%	R0603;R50~97	48
32	4.0 CSTLS4M00G53-B0	DIP;Y1	1
33	DG23-C3LA	DIP;S1,S2	2
34	DR4X7-221M+UL-NP (DIP)	DIP;L1	1
35	M2X0.4-B		4
36	SCREW M2-10L		4
37	NUT M2-s4-t1.6 -NP		4
38	EMS CONTACT	;STOP	2
39	CONTACT SPRINGψ0.6(1.7~2Kgf)		1
40	CONTACT PLATE-M		1
41	CONTACT PLATE-P		1
42	PB SPRINGψ0.4N11.5(750~800gf)		12
43	PB STEP SPRING ψ		12
44	STALL BALLφ2.5		24
45	MX1A-11NW		24
46	PB PASE		12
47	PB COVER		12
48	PB CAP-2S		12
49	PB CENTER		12