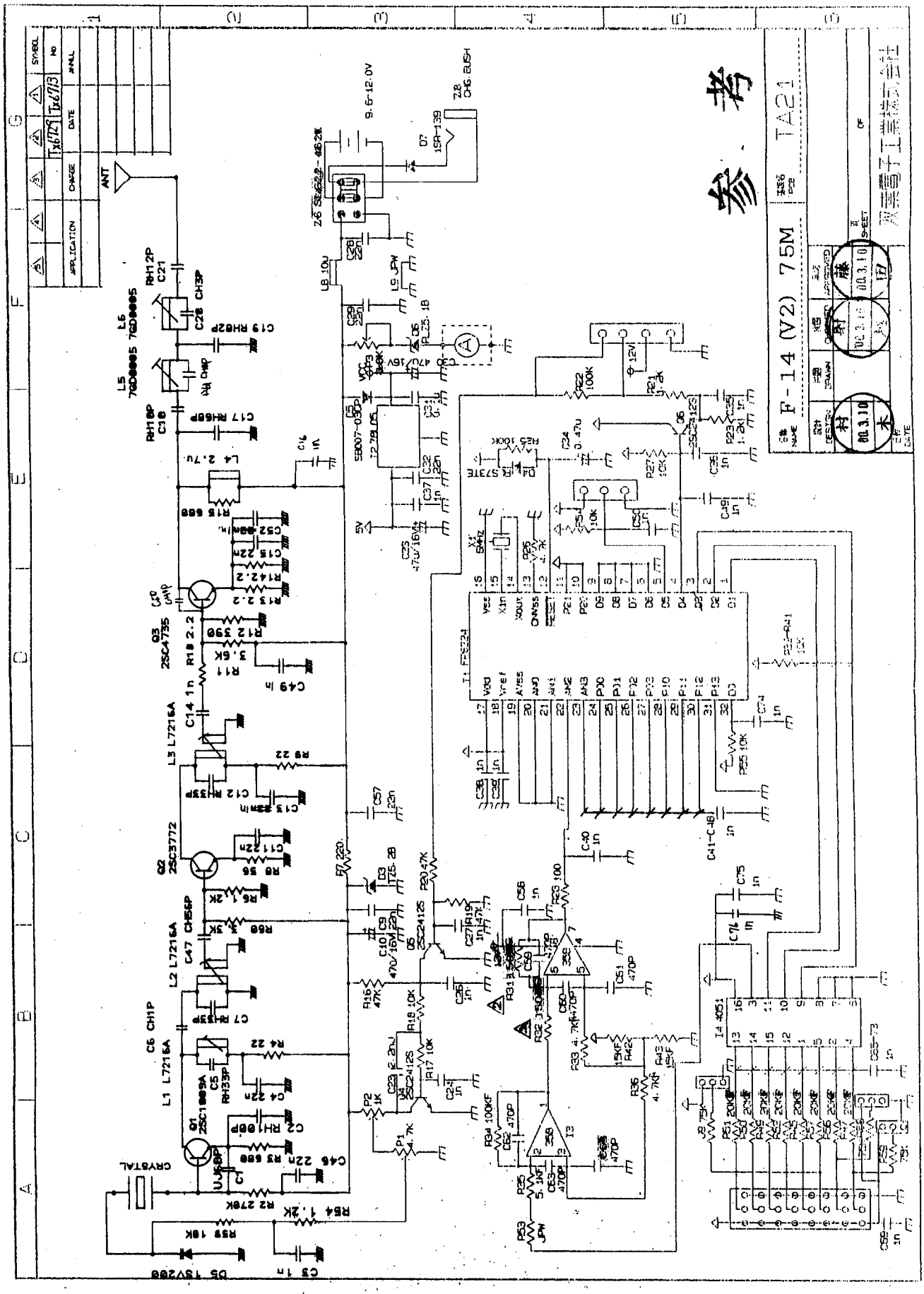
F-14 (V2) 75M
TA21
9.6-12.0V
CRYSTAL
DS 1SV208
C3 1n
R54 1.2K
R53 10K
R2 270K
R1 1K
P1 4.7K
P2 1K
C46 22n
C45 22n
C4 22n
C49 1n
C48 1n
C47 CH5P
C6 CH1P
C19 RH62P
C18 RH18P
C17 RH68P
C21 RH12P
C28 CH3P
L1 L7216A
L2 L7216A
L3 L7216A
L4 2.7u
L5 7GD9885
L8 10u
L9 1uH
Q1 2SC1009A
Q2 2SC3772
Q3 2SC4735
Q4 2SC2412S
Q5 2SC2412S
Q6 2SC2412S
IC1 FS324
IC2 358
IC3 358
IC4 4051
X1 8MHz
D5 PLS5.1B
D6 PLS5.1B
D7 1SR-139
Z8 CR2 BUSH
SD007-05
12.8V
5V
R15 560
R14 2.2
R13 2.2
R12 390
R11 3.6K
R18 2.2
R9 22
R8 56
R6 1.2K
R69 3.3K
R4 22
R3 560
R5 10K
R7 220
R16 47K
R17 10K
R19 47K
R20 47K
R21 1K
R22 100K
R23 1.2K
R24 10K
R25 10K
R26 10K
R27 10K
R28 100
R29 100
R30 100
R31 3.3K
R32 3.3K
R33 4.7K
R34 100KF
R35 5.1K
R36 4.7K
R37 75K
R38 75K
R39 JPW
R40 15KF
R41 15KF
R42 15KF
R43 15KF
R44 15K
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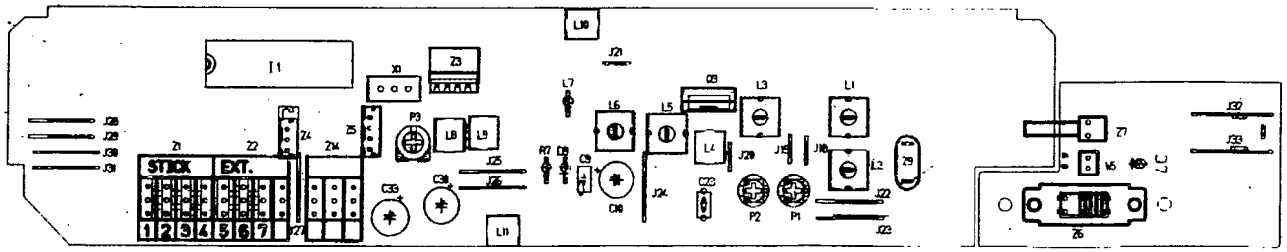
SYMBOL No	APPLICATION	CHARGE	DATE	ANNUL

P 3	V6EK-PV(1S)B10K ST	J 18	CUNI ﾒｯｷ 0.6MM
Q 3	TR 2SC-2314F	J 19	CUNI ﾒｯｷ 0.6MM
W 1	EL9073-JST3P F14 ST	J 20	CUNI ﾒｯｷ 0.6MM
W 2	EL9073-JST3P F14 ST	J 21	CUNI ﾒｯｷ 0.6MM
W 3	EL9073-JST3P F14 ST	J 22	CUNI ﾒｯｷ 0.6MM
W 4	EL9073-JST3P F14 ST	J 23	CUNI ﾒｯｷ 0.6MM
W 5	EL9073-EL8283F14 BATT	J 24	CUNI ﾒｯｷ 0.6MM
Z 1	ﾌﾟﾛｯｸｺﾈｸﾀｰ MX3PX4W	J 25	CUNI ﾒｯｷ 0.6MM
Z 2	ﾌﾟﾛｯｸｺﾈｸﾀｰ MX3PX4W	J 26	CUNI ﾒｯｷ 0.6MM
Z 3	ELCO.8283 0411 000	J 27	CUNI ﾒｯｷ 0.6MM
Z 4	ELCO 8283 0312 000	J 28	CUNI ﾒｯｷ 0.6MM
Z 5	ELCO 8283 0412 000	J 29	CUNI ﾒｯｷ 0.6MM
Z 6	SS043-WA022-BAH-PA8	J 30	CUNI ﾒｯｷ 0.6MM
Z 7	ｺﾈｸﾄｺﾝ 5046-02A	J 31	CUNI ﾒｯｷ 0.6MM
Z 8	ｼﾞｬｯｸ SCD014A-2.5ﾌｧｲ	J 32	CUNI ﾒｯｷ 0.6MM
Z 9	XTAL SOKET S-D0105	J 33	CUNI ﾒｯｷ 0.6MM
Z 14	ﾌﾟﾛｯｸｺﾈｸﾀｰ MX3PX3W	L 1	ｺｲﾙ L-7216A-1 ST
D 7	DI 1SR139-200 T-64	L 2	ｺｲﾙ L-7216A-1 ST
I 1	IC FP6335 TX-ENC	L 3	ｺｲﾙ L-7216A-1 ST
		L 4	EL 0606RA-2R7K
		L 5	ｺｲﾙ ｽﾐﾀﾞS-7GD0005ST
		L 6	ｺｲﾙ ｽﾐﾀﾞS-7GD0005ST
		L 7	CUNI ﾒｯｷ 0.6MM
		L 8	EL 0606RA-2R7K
		L 9	CUNI ﾒｯｷ 0.6MM
		L 10	CUNI ﾒｯｷ 0.6MM
		L 11	CUNI ﾒｯｷ 0.6MM
		P 1	VR RH0411C S3G (4.7K)
		P 2	VR RH0411C 13G (1K)
		X X1	EFOEC6004T4



Parts Side

参　考

名称 NAME	F-14 (V2) 75M	基板名 PCB	TA21
設計 DESIGN	製図 DRAWN	検図 CHECKED	承認 APPROVED
日付 DATE			頁 SHEET OF

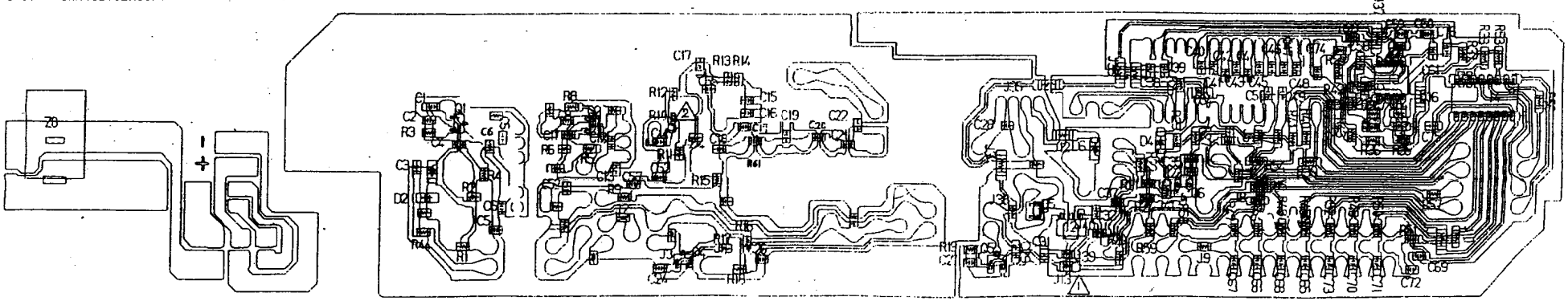
双葉電子工業株式会社

	A	B	C	D	E	F	G

C 1	ﾁｯﾌﾟｺﾝC2012UJ1H680J	C 37	GRM40B102K50PT	C 72	GRM40B102K50PT
C 2	ﾁｯﾌﾟｺﾝC2012RH1H101J	C 38	GRM40B102K50PT	C 73	GRM40B102K50PT
C 3	GRM40B102K50PT	C 39	GRM40B102K50PT	C 74	GRM40B102K50PT
C 4	GRM40F223Z50PT	C 40	GRM40B102K50PT	C 75	GRM40B102K50PT
C 5	ﾁｯﾌﾟｺﾝC2012RH1H330J	C 41	GRM40B102K50PT	C 76	GRM40B102K50PT
C 6	ﾁｯﾌﾟｺﾝC2012CH1H010C	C 42	GRM40B102K50PT	D 1	ﾊﾞﾘｷｬｯﾌﾟ 1SV200-TR
C 7	ﾁｯﾌﾟｺﾝC2012RH1H330J	C 43	GRM40B102K50PT	D 3	ﾀﾞｲｵｰﾄﾞ TZ6.2B T-87
C 8	ﾁｯﾌﾟｺﾝC2012CH1H560J	C 44	GRM40B102K50PT	D 4	ﾀﾞｲｵｰﾄﾞ RLS-73TE-11
C 9	CK45F1H223ZYP	C 45	GRM40B102K50PT	D 5	ﾀﾞｲｵｰﾄﾞSB007-03CP ｻﾝﾖｰ
C 10	ｹﾐｺﾝ SM47-16-TP	C 46	GRM40B102K50PT	D 6	ﾂｪﾅｰﾀﾞｲｵｰﾄﾞ RLZ5.1B
C 11	GRM40F223Z50PT	C 47	GRM40B102K50PT	I 2	IC UPC78L05T-E1 NEC
C 12	ﾁｯﾌﾟｺﾝC2012RH1H330J	C 48	GRM40B102K50PT	I 3	IC UPC358G E2
C 13	GRM40F223Z50PT	C 49	GRM40B102K50PT	I 4	IC UPD4051BG-E1
C 14	GRM40B102K50PT	C 50	GRM40B102K50PT	J 1	MCR10-JPW
C 15	GRM40F223Z50PT	C 51	GRM40F223Z50PT	J 2	MCR10-JPW
C 16	GRM40B102K50PT	C 52	GRM40F223Z50PT	J 3	MCR10-JPW
C 17	ﾁｯﾌﾟｺﾝC2012RH1H680J	C 53	GRM40B102K50PT	J 4	MCR10-JPW
C 18	ﾁｯﾌﾟｺﾝC2012RH1H180J	C 54	ﾁｯﾌﾟｺﾝC2012CH1H010C	J 6	MCR10-JPW
C 19	ﾁｯﾌﾟｺﾝC2012RH1H820J	C 57	GRM40F223Z50PT	J 7	MCR10-JPW
C 20	ﾁｯﾌﾟｺﾝC2012CH1H030C	C 58	GRM40B102K50PT	J 8	MCR10-JPW
C 21	ﾁｯﾌﾟｺﾝC2012RH1H120J	C 59	GRM40B471K50PT	J 9	MCR10 75 KOHM J
C 23	ﾌｨﾙﾑACQT-92PE222J50V	C 60	GRM40B471K50PT	J 10	MCR10-JPW
C 24	GRM40B102K50PT	C 61	GRM40B471K50PT	J 11	MCR10-JPW
C 26	GRM40B102K50PT	C 62	GRM40B471K50PT	J 12	MCR18-JPW
C 27	GRM40B102K50PT	C 63	GRM40B471K50PT	J 13	MCR10-JPW
C 28	GRM40F223Z50PT	C 64	GRM40B471K50PT	J 14	MCR18-JPW
C 29	GRM40F223Z50PT	C 65	GRM40B102K50PT	J 15	MCR18-JPW
C 30	ｹﾐｺﾝ SM47-16-TP	C 66	GRM40B102K50PT	J 16	MCR18-JPW
C 31	GRM40F104Z50PT	C 67	GRM40B102K50PT	J 17	MCR18-JPW
C 32	GRM40F223Z50PT	C 68	GRM40B102K50PT	J 34	MCR18-JPW
C 33	ｹﾐｺﾝ SM47-16-TP	C 69	GRM40B102K50PT	J 35	MCR18-JPW
C 34	TESVA1E474K1-8R ﾀﾝﾀﾙ	C 70	GRM40B102K50PT	J 36	MCR18-JPW
C 35	GRM40B102K50PT	C 71	GRM40B102K50PT	J 37	MCR18-JPW
C 36	GRM40B102K50PT				

R 2	MCR10 270 KOHM J	R 26	MCR10 4.7K OHM J		
R 3	MCR10 680 OHM J	R 27	MCR10 10 KOHM J		
R 4	MCR10 22 OHM J	R 28	MCR10 100 OHM J		
R 5	MCR10 3.3KOHM J	R 31	MCR10 150 KOHM G		
R 6	MCR10 1.2KOHM J	R 32	MCR10 150 KOHM G		
R 7	R25T32VJ 220 OHM	R 33	MCR10 4.7K OHM F		
R 8	MCR10 56 OHM J	R 34	MCR10 100K OHM F		
R 9	MCR10 22 OHM J	R 35	MCR10 5.1K OHM F		
R 10	MCR10 2.2 OHM J	R 36	MCR10 4.7K OHM F		
R 11	MCR10 3.6KOHM J	R 37	MCR10 10 KOHM J		
R 12	MCR10 390 OHM J	R 40	MCR10 10 KOHM J		
R 13	MCR10 2.2 OHM J	R 41	MCR10 10 KOHM J		
R 14	MCR10 2.2 OHM J	R 42	MCR10 15K OHM F		
R 15	MCR10 680 OHM J	R 43	MCR10 15K OHM F		
R 16	MCR10 47 KOHM J	R 44	MCR10 1.2KOHM J		
R 17	MCR10 10 KOHM J	R 45	MCR10 20K OHM F		
R 18	MCR10 10 KOHM J	R 46	MCR10-JPW		
R 19	MCR10 47 KOHM J	R 47	MCR10 20K OHM F		
R 20	MCR10 47 KOHM J	R 48	MCR10-JPW		
R 21	MCR10 1.2KOHM J	R 49	MCR10 20K OHM F		
R 22	MCR10 100 KOHM J	R 50	MCR10 20K OHM F		
R 23	MCR10 1.2KOHM J	R 51	MCR10 20K OHM F		
R 24	MCR10-JPW	R 52	MCR10 20K OHM F		
R 25	MCR10 100 KOHM J	R 53	MCR10-JPW		
		R 54	MCR10 10 KOHM J		
		R 55	MCR10 10 KOHM J		
		R 56	MCR10 20K OHM F		
		R 57	MCR10 20K OHM F		
		R 58	MCR10 75 KOHM J		
		R 59	MCR10 75 KOHM J		
		R 60	MCR10 10 KOHM J		
		R 61	ﾁｯﾌﾟｺﾝC2012CH1H010C		

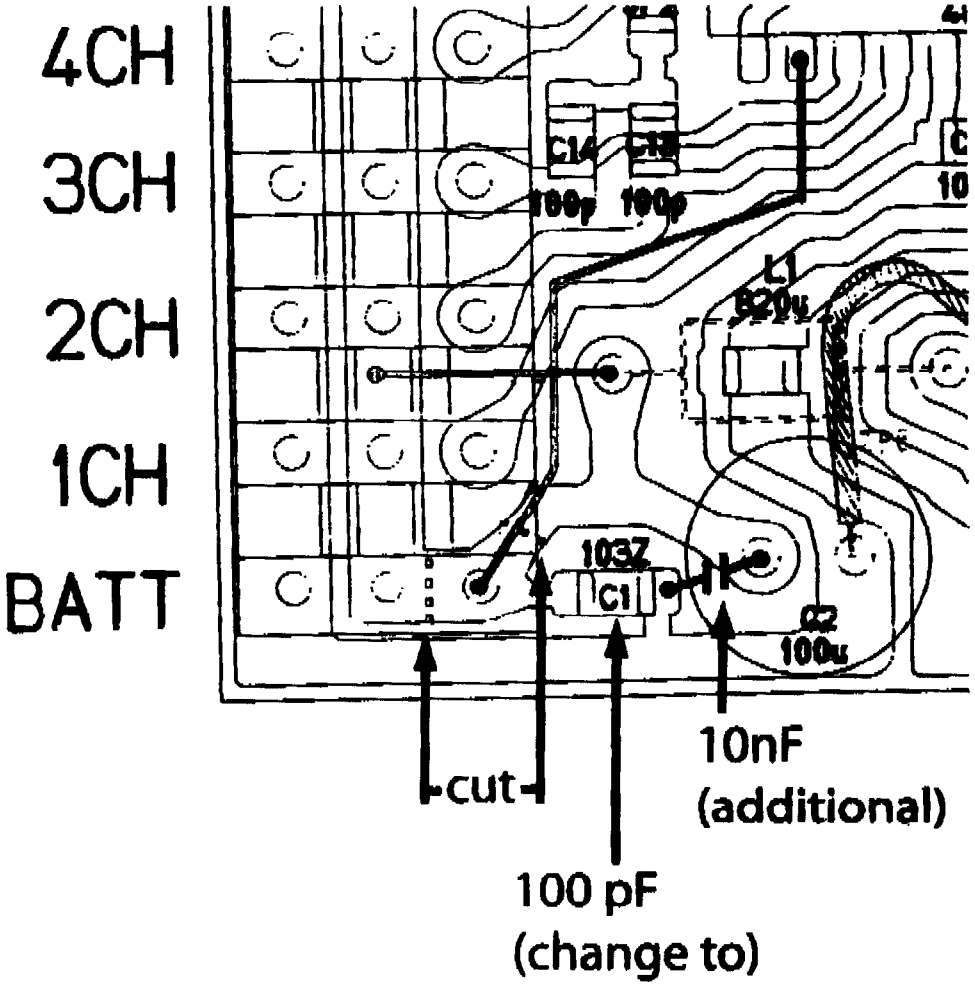
⚠5	⚠4	⚠3	⚠2	⚠1	SYMBOL
		Tx6712	Tx6713	Tx671	No
APPLICATION		CHARGE	DATE		ANNUL



Solder Side

参 考

名称 NAME	F-14 (V2) 75M	基板名 PCB	TA21
設計 DESIGN	製図 DRAWN	検図 CHECKED	承認 APPROVED
		00.3.10	00.3.10
日付 DATE		SHEET	OF

双葉電子工業株式会社

Modification instruction
R-127F, 8 channel output
on battery connector.
Power supply must be made with y-cable