

[illegible]

Group 4 Systems Limited.
Challenge House,
Northway Lane,
Newtown Industrial Estate,
Tewkesbury, Gloucestershire. GL20 8JG



PARTS LIST NO. 7000-5082-1
7000-5082=2

TITLE

S670/1 PROX RDR PCB
ASSEMBLY (INST/DIST)

SH 1

OF 3

FIRST USED ON ASSY. NO.

ASSY. TITLE

DRAWN SCV

CHECKED

APPROVED

ISSUE

PA

PB

PB.1

LABOUR HOURS

C/N NO.

5603

5740

5763

ASSY

0

1

4

0

DATE

17/7/98

13/10/98

10/11/98

INSP

0

0

0

8

INITIALS

TEST

0

0

0

0

ITEM

PART OR STOCK NO.

DESCRIPTION

QTY.

REMARKS

1

4000-4094

PCB, Issue B

1

-

5

7000-5085

Processor Kit (68HC711D3)

1

IC8

10

0115-0001SM

Zero Ohm Link

1

R33

11

0115-2032SM

Resistor, 1/4W, 5%, 22

2

R67, 68

12

0115-2056SM

Resistor, 1/4W, 5%, 220

2

R62, 65

13

0115-2062SM

Resistor, 1/4W, 5%, 390

3

R3, 5, 7

14

0115-2064SM

Resistor, 1/4W, 5%, 470

2

R4, 6

15

0115-1072SM

Resistor, 1/10W, 5%, 1k

4

R10, 27, 50,

16

0115-1076SM

Resistor, 1/10W, 5%, 1.5k

9

R36, 38, 40,

17

0116-1821SM

Resistor, 1/10W, 1%, 1.82k

1

R17

18

0116-2551SM

Resistor, 1/10W, 1%, 2.55k

1

R14

19

0116-2741SM

Resistor, 1/10W, 1%, 2.74k

1

R16

20

0116-3831SM

Resistor, 1/10W, 1%, 3.83k

2

R18-19

21

0115-1088SM

Resistor, 1/10W, 5%, 4.7k

3

R22, 49, 63,

22

0115-1096SM

Resistor, 1/10W, 5%, 10k

13

R24, 25, 28,

23

0116-2002SM

Resistor, 1/10W, 1%, 20k

1

R2

24

0115-1108SM

Resistor, 1/10W, 5%, 33k

1

R58

25

0116-4022SM

Resistor, 1/10W, 1%, 40.2k

1

R13

26

0116-4322SM

Resistor, 1/10W, 1%, 43.2k

2

R8, 15

27

0115-1116SM

Resistor, 1/10W, 5%, 68k

1

R1

28

0115-1120SM

Resistor, 1/10W, 5%, 100k

6

R20, 21, 53,

29

0115-1128SM

Resistor, 1/10W, 5%, 220k

2

R26, 59

30

0115-1136SM

Resistor, 1/10W, 5%, 470k

1

R23

31

0115-1144SM

Resistor, 1/10W, 5%, 1M

1

R51

32

0115-1168SM

Resistor, 1/10W, 5%, 10M

1

R32

33

0111-1088

Resistor, 1/4W, 5%, 4.7k

1

SAL

REFERENCE DOCUMENTS

ASSEMBLY DRAWING

7000-5082

TEST PROCEDURE(S)

None

CIRCUIT DIAGRAM

7200-5082

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NO. 7000-5082-2

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40	0225-4220SM	Capacitor, Cer, 22pF, 50V	3	C12,17,18
41	0225-6331SM	Capacitor, Cer, 330pF, 200V, 2%	2	C7,8
42	0226-6391SM	Capacitor, Ceramic, 390pF, 200V	1	C11
43	0225-6681SM	Capacitor, Cer, 680pF, 200V, 2%	1	C10
44	0225-4102SM	Capacitor, Cer, 1nF, 50V, 2%	4	C3-6
45	0226-4102SM	Capacitor, Ceramic, 1nF, 50V	4	C25,26-28
46	0225-8242SM	Capacitor, Cer, 2.4nF, 500V, 2%	1	C16
47	0226-4472SM	Capacitor, Ceramic, 4.7nF, 25V	1	C24
48	0226-6472SM	Capacitor, Cer, 4.7nF, 200V	1	C9
49	0227-4104SM	Capacitor, Ceramic, 100nF, 25V	11	C13,23 CD1-9
50	0277-7105SM	Capacitor, Elect, 1uF, 50V	1	C1
51	0277-4226SM	Capacitor, Elect, 22uF, 16V	4	C2,19-21
60	0516-1016SM	Diode, BAS16	2	D1,3
61	0516-2099SM	Dual Diode, BAV99	1	D4
62	0525-0857SM	Transistor, PNP, BC857	1	TR2
63	0525-0847SM	Transistor, NPN, BC847	1	TR3
64	0421-2111	LED, Red 5mm	2	LED2,4
65	0421-2112	LED, Green 5mm	2	LED1,5
66	0421-2113	LED, Yellow 5mm	1	LED3
67	0845-1515SM	Transient Suppr., 15V, 1.5k	6	TZ1-6
68	0516-1021SM	Diode, BAS21	1	D2
80	0551-9024SM	4024, 8-Stage Divider	1	IC10
81	0450-1130	4N35 Opto Isolator	1	IC13
82	0569-4420SM	4420, FET Driver	1	IC5
83				
84	0556-0014SM	74HC14 Hex Schmitt Buffers	1	IC9
85	0556-0132SM	74HC132 Quad Schmitt NAND	1	IC3
86	0562-0001	7805, +5V Regulator	1	IC14
87	0576-5101SM	93C46, Serial EEPROM, 1k-bit	1	IC11
88	0563-9393SM	LM393, Dual Comparator	1	IC2
89	0564-9074SM	MC34074, Quad Op-amp	1	IC1
90	0560-2241SM	SC442241, HID Decoder	1	IC12
91	0569-9003SM	ULN2003A, Darlington Array	1	IC4

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REMARKS

100	0599-5044SM	IC Skt, 44-pin PLCC (for IC8)	1	-
101	0711-1208	Pin Strip, 8-way	1	TB1
102	0732-1009	Connector, Socket, 1 x 9	1	SK1
103	0711-1102	Link, 2-pin	1	LK2
104	0711-1103	Link, 3-pin	2	LK1,3
105	0739-0001	Shunt, 2-way, (for LK1,3)	2	-
106	0592-0701SM	Crystal, 7.3728MHz	1	XL1
107	0593-9401SM	Ceramic Resonator, 4MHz, w/caps	1	XL2
108	0794-2008	Terminal Block, 8-way (for TB1)	1	-
109	0911-0001	Sounder	1	LS1
110	0661-1100	Microswitch, Tamper	1	SW1
111	0325-2101SM	Inductor, 100uH 145mA	1	L3
112	0325-2331SM	Inductor, 330uH, 85mA	2	L1,2
113	0798-1001	Terminal Pin	A/R	TP1,2
114	4000-4111	Aerial Coil for 670 Reader	1	-
115	3420-3001	Double Sided Foam Roll	A/R	-