

Smartcard Reader Interface PCA						IL02-446 Issue 3	
			Drawn MDS Date 26 Oct 99				Issue Date
Item	Ident	M.I.	Description	Qty	Units	Part No.	Remarks
1			Smartcard Programmer PCB	1		A02-467	
2						-	
3			<u>Surface Mount Components</u>			-	
4						-	
5	FS1		250mA Fuse in SM Holder	1		G142	
6						-	
7	X1		8MHz +/-50PPM Crystal	1		X111	
8						-	
9	IC2		5V Regulator LM78L05ACM	1		J222	
10	IC6		LM2901M Quad Comparator SM SO14	1		N151	
11	IC7		68HC711E9 SM QFJ52	1		M02-68-xx	Fit in socket Item 94. M172 programmed with SS02-68 issue 1B or later.
12	IC8		Not fitted			-	
13	IC9		2M33164 4.3v Voltage Monitor SOT223	1		N150	
14						-	
15	TR1		NDS0605 P Channel MOSFET SM SOT23	2		J219	
16	TR2		NDS7002A N-Channel MOSFET SM SOT23	4		J202	
17	TR3		NDS7002A N-Channel MOSFET SM SOT23	-		J202	
18	TR4		NDS7002A N-Channel MOSFET SM SOT23	-		J202	
19	TR5		NDS7002A N-Channel MOSFET SM SOT23	-		J202	
20	TR6		NDS0605 P Channel MOSFET SM SOT23	-		J219	
21						-	
22						-	
23	D1		42V Transient Suppressor SM 1206	1		J221	
24	D2		B230 Schottky Diode smt	1		J214	
25	D3		5.6V Transient Suppressor SM 0805	7		J197	
26	D4		5.6V Transient Suppressor SM 0805	-		J197	
27	D5		5.6V Transient Suppressor SM 0805	-		J197	
28	D6		5.6V Transient Suppressor SM 0805	-		J197	
29	D7		5.6V Transient Suppressor SM 0805	-		J197	
30	D8		5.6V Transient Suppressor SM 0805	-		J197	
31	D9		5.6V Transient Suppressor SM 0805	-		J197	
32						-	
33						-	

Item	Ident	M.I.	Description	Qty	Units	Part No.	Var	Remarks
34	L1		47μH ±10% Inductor SM 1812	1		Q137		
35	L2		330μH+-10%Inductor SM	1		Q139		
36						-		
37	C3		3n3+-10% 50v SM X7R 0805	1		C345		
38						-		
39	C5		10uF +-10% 16VDC Tantalum SM	1		C332		
40	C17		22pF +-5% 50v SM COG 0805 NB	2		C298		
41	C18		22pF +-5% 50v SM COG 0805 NB	-		C298		
42	C21		100nF +-10% 50v SM X7R 0805 NB	3		C306		
43	C22		100nF +-10% 50v SM X7R 0805 NB	-		C306		
44	C23		22uF +/- 10% 10VDC Tantalum SM	1		C333		
45	C24		100nF +-10% 50v SM X7R 0805 NB	-		C306		
46	C25		Not fitted			-		
47	C26		Not fitted			-		
48	C27		Not fitted			-		
49	C28		Not fitted			-		
50	C29		Not fitted			-		
51						-		
52						-		
53	R1		1K +-5% 0.1W 0805 SM NB	9		R309		
54	R2		5K6+-5% 0.125W 0805 SM	1		R350		
55	R3		1K +-5% 0.1W 0805 SM NB	-		R309		
56	R4		2K2 +/-1% 0.1W 0805 SM	3		R343		
57	R5		2K2 +/-1% 0.1W 0805 SM	-		R343		
58	R6		2K2 +/-1% 0.1W 0805 SM	-		R343		
59	R7		Not fitted			-		
60	R8		1K +-5% 0.1W 0805 SM NB	-		R309		
61	R9		10K +-5% 0.1W 0805 SM NB	17		R306		
62	R10		10K +-5% 0.1W 0805 SM NB	-		R306		
63	R11		10K +-5% 0.1W 0805 SM NB	-		R306		
64	R12		10K +-5% 0.1W 0805 SM NB	-		R306		
65	R13		10K +-5% 0.1W 0805 SM NB	-		R306		
66	R14		10K +-5% 0.1W 0805 SM NB	-		R306		
67	R15		10K +-5% 0.1W 0805 SM NB	-		R306		
68	R16		10K +-5% 0.1W 0805 SM NB	-		R306		
69	R17		10K +-5% 0.1W 0805 SM NB	-		R306		
70	R18		10K +-5% 0.1W 0805 SM NB	-		R306		
71	R19		10K +-5% 0.1W 0805 SM NB	-		R306		
72	R30		10M +-5% 0.1W 0805 SM NB	1		R302		
73	R34		1K +-5% 0.1W 0805 SM NB	-		R309		
74	R35		1K +-5% 0.1W 0805 SM NB	-		R309		
75	R36		1K +-5% 0.1W 0805 SM NB	-		R309		
76	R37		100K +-5% 0.1W 0805 SM NB	10		R329		
77	R38		10K +-5% 0.1W 0805 SM NB	-		R306		
78	R39		10K +-5% 0.1W 0805 SM NB	-		R306		
79	R40		10K +-5% 0.1W 0805 SM NB	-		R306		

Item	Ident	M.I.	Description	Qty	Units	Part No.	Var	Remarks
80	R41		100K +-5% 0.1W 0805 SM NB	-		R329		
81	R44		100K +-5% 0.1W 0805 SM NB	-		R329		
82	R45		100K +-5% 0.1W 0805 SM NB	-		R329		
83	R46		100K +-5% 0.1W 0805 SM NB	-		R329		
84	R47		100K +-5% 0.1W 0805 SM NB	-		R329		
85	R48		100K +-5% 0.1W 0805 SM NB	-		R329		
86	R49		100K +-5% 0.1W 0805 SM NB	-		R329		
87	R50		100K +-5% 0.1W 0805 SM NB	-		R329		
88	R52		1K +-5% 0.1W 0805 SM NB	-		R309		
89	R53		1K +-5% 0.1W 0805 SM NB	-		R309		
90	R57		10K +-5% 0.1W 0805 SM NB	-		R306		
91	R58		10K +-5% 0.1W 0805 SM NB	-		R306		
92	R59		10K +-5% 0.1W 0805 SM NB	-		R306		
93	R62		1K +-5% 0.1W 0805 SM NB	-		R309		
94	R63		100K +-5% 0.1W 0805 SM NB	-		R329		
95						-		
96						-		
97						-		
98			PLCC Socket 52 Way PCB SMT			Y353		
99						-		
100						-		
101						-		
102						-		
103						-		
104			<u>Through Hole and Other Components</u>			-		
105						-		
106	IC1		LM2594-ADJ Regulator	1		J220		
107						-		
108	C1		47µF+-20% 50v Axial Elect	2		C344		
109	C2		47µF+-20% 50v Axial Elect	-		C344		
110	C4		100µF +/-20% 50Vdc Al.Elect Radial	1		C346		
111	H1A		3-24V 5mA@12V 85dbA@0.5m Sounder	1		E116		
112						-		
113	J1		Jumper Pin 9 Way PCB Mt	30		Y189		
114	J2		Jumper Pin 9 Way PCB Mt	-		Y189		
115	J3		Jumper Pin 9 Way PCB Mt	-		Y189		
116			0.1" Pitch Jumper 2 Way	3		Y190		
117						-		
118	CON N1		Plug-In Connector Pins	9		Y244		Modify to Drawing D02-1371
119						-		

Item	Ident	M.I.	Description	Qty	Units	Part No.	Var	Remarks
120	CON N3		SIL Edge Pins	5		Y355		Cut to 3 Way and 2 Way
121						-		
122						-		
123	D10		Red LED	1		L157		On Reverse
124	D11		Green LED	1		L158		On Reverse
125	D12		Yellow LED	1		L159		On Reverse
126			3 Way LED Spacer	1		L160		On Reverse. Cut 12 way into 4 x 3 way.
127						-		
128	CON N4		Not fitted			-		
129	CON N5		Not fitted			-		